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RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

May 8, 2015

Sent UPS Next Day Air

Northern Watershed Unit
California Regional Water Quality Control Board
San Diego Region
2375 Northside Drive, Suite 100
San Diego, CA 92108-2700

Sent UPS Next Day Air

Mr. Eugene Bromley
US Environmental Protection Agency Region IX
Permits Issuance Section (W-5-1)
75 Hawthorne Street
San Francisco, CA 94105

Dear Ladies and Gentlemen:

Re: Report of Waste Discharge for Santa
Margarita Watershed Municipal Separate
Storm Sewer System, NPDES Permit No.
CAS0108766, Board Order No. R9-2010-
0016

This letter and enclosure comprise the Report of Waste Discharge (ROWD) for renewal of NPDES Permit No. CAS0108766, Board Order No. R9-2010-0016 (2010 Permit), issued by the California Regional Water Quality Control Board, San Diego Region (Regional Board). The 2010 Permit authorizes stormwater discharges from the Municipal Separate Storm Sewer System (MS4) operated by Riverside County Flood Control and Water Conservation District (District), the County of Riverside (County), and the Cities of Murrieta, Temecula and Wildomar (collectively referred to herein as "Co-Permittees") in the Santa Margarita River region within Riverside County. The enclosed ROWD is due to the Regional Board on May 10, 2015; the 2010 Permit is due to expire on November 10, 2015.

The 2010 Permit specifies that, at a minimum, the ROWD shall include:

- Proposed changes to the Co-Permittees' runoff management programs;
- Proposed changes to monitoring programs;
- Justification for proposed changes;
- Name and mailing addresses of the Co-Permittees, along with names and titles of primary contacts for each Co-Permittee; and
- Any other information necessary, or required by federal regulations for permit re-applications.

CRWQCB and U.S. EPA

- 2 -

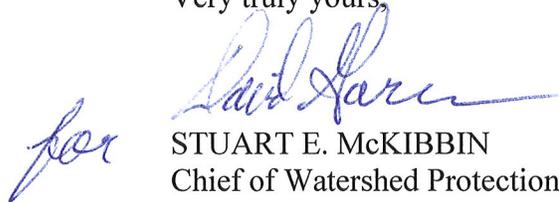
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Re: Report of Waste Discharge for Santa
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CAS0108766, Board Order No. R9-2010-
0016

In addition to addressing these requirements, the ROWD highlights accomplishments and provides estimated population projections, land use maps and maps of existing MS4 facilities owned and operated by the Co-Permittees.

The Co-Permittees look forward to working with Regional Board staff in the development of efficient and effective stormwater management programs that recognize the unique conditions in the Santa Margarita region. Please contact David Garcia (951.955.1330; dhgarcia@rcflood.org) or Scott Bruckner (951.955.0843; sebruckner@rcflood.org) of our Watershed Protection Division if you have any questions.

Very truly yours,


STUART E. McKIBBIN
Chief of Watershed Protection

Enclosures: ROWD

c: Mr. Steven Horn, Riverside County Executive Office
Mr. Aldo Licitra, City of Temecula
Mr. Bill Woolsey, City of Murrieta
Mr. James Ozouf, City of Murrieta
Mr. Matt Bennett, City of Wildomar
Mr. Jason Farag, City of Wildomar
Mr. Eric Becker, CRWQCB – San Diego Region
Mr. Wayne Chiu, CRWQCB – San Diego Region

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REPORT OF WASTE DISCHARGE

MAY 10, 2015

Submitted to:

SAN DIEGO REGIONAL WATER QUALITY CONTROL BOARD
(Order No. R9-2010-0016)

and

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY – REGION IX
(NPDES No. CAS0108766)

RIVERSIDE COUNTY

SANTA MARGARITA RIVER REGION

Principal Permittee:

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

Co-Permittees:

COUNTY OF RIVERSIDE, CITY of MURRIETA,
CITY of TEMECULA, and CITY of WILDOMAR

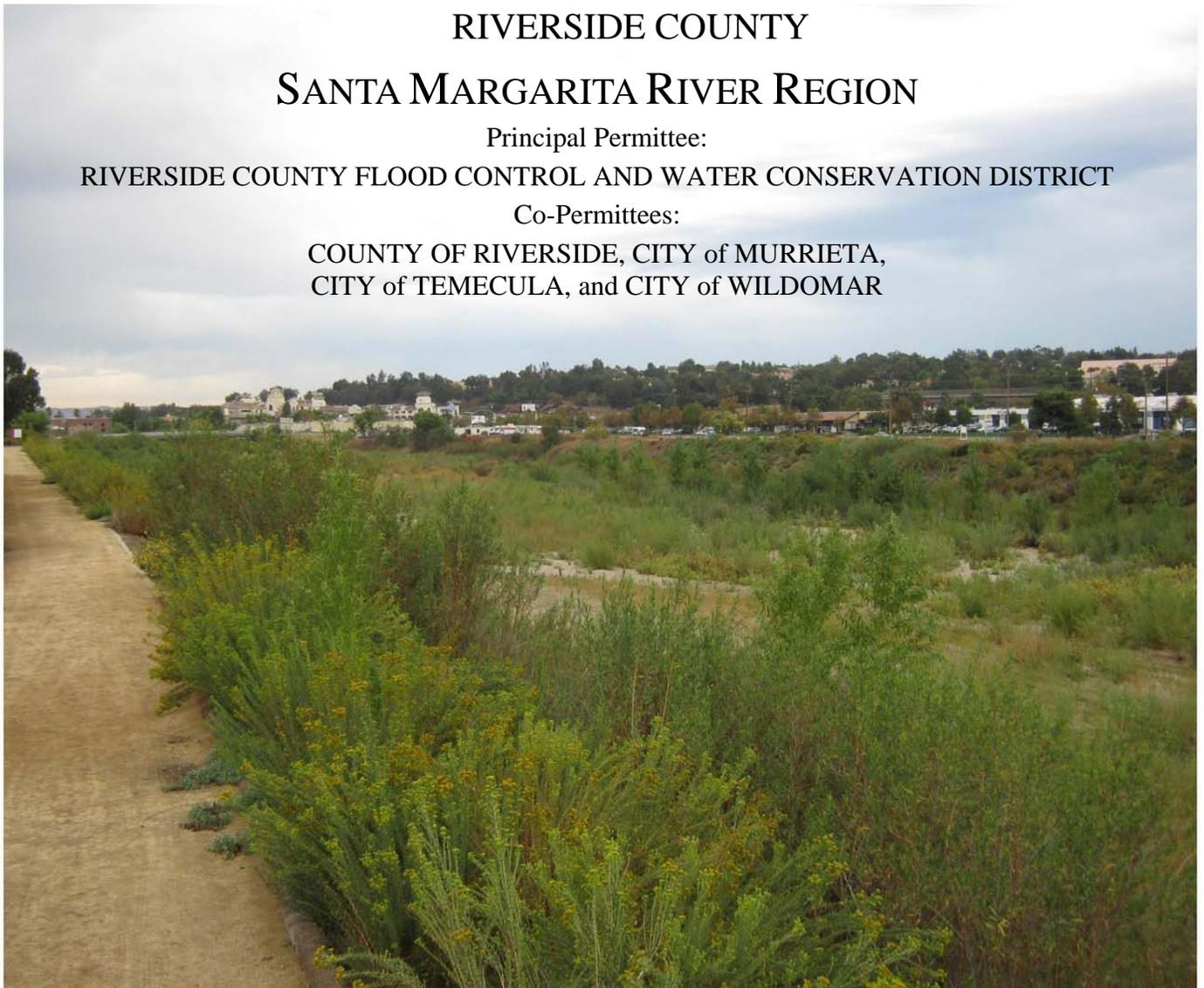


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Santa Margarita River Region Report of Waste Discharge

1.0 Introduction

This Report of Waste Discharge (ROWD) is an application for renewal of Order No. R9-2010-0016, an area-wide National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) Permit (2010 MS4 Permit). The MS4s covered under the 2010 MS4 Permit are owned and operated by the Riverside County Flood Control and Water Conservation District (District), the County of Riverside (County), and the Cities of Murrieta, Temecula and Wildomar (collectively, the Co-Permittees).

On November 10, 2010, the San Diego Regional Water Quality Control Board (Regional Board) adopted the 2010 MS4 Permit, which expires on November 10, 2015. Directive K.2.c of the 2010 MS4 Permit requires that a ROWD be submitted no later than 180 days prior to the expiration date. This ROWD has been prepared in consultation with the Co-Permittees and is submitted on their behalf. Table 1-2 lists the required elements for the ROWD and identifies where those elements can be found in the ROWD.

In order to protect lives and property and to prevent damage to the watershed, the Co-Permittees operate and maintain essential drainage infrastructure in the Santa Margarita Region (SMR). The County and the Cities maintain approximately 317 miles of drainage infrastructure in the SMR while the District maintains approximately 90 miles. Environmental stewardship and integrated water resource management continues to be an essential part of the Co-Permittees' responsibilities.

The diligent work performed by the Co-Permittees under the 2010 MS4 Permit has maintained Receiving Water quality and prevented new impairments despite continued growth in population and development within the region. As shown in Table 1-1, the population in the region is projected to have a steady growth rate and by 2020 the region's population is predicted to grow by 5.6%. The challenges posed by this growing population require the Co-Permittees to continue to adapt their BMPs and watershed programs to protect water quality.

Table 1-1 Santa Margarita Region Population Estimates

Co-Permittee	Year			Change (2015 to 2020)
	Estimate 2015 ^(a)	Estimate 2016 ^(b)	Projected 2020 ^(b)	
City of Murrieta	107,455	108,482	112,591	4.8%
City of Temecula	108,450 ^b	111,585 ^b	119,422	10.1%
City of Wildomar	35,433	36,310	37,204	5.0%
Unincorporated County of Riverside	51,314	52,436	53,793	2.6%
Total	272,621	276,585	292,017	5.6%

Notes:

- (a) Unless otherwise noted, populations were obtained from the State of California, Department of Finance, E-4 Population Estimates for Cities, Counties and the State, *2011-2014, with 2010 Census Benchmark*. Sacramento, California, May 2014.
- (b) Data gathered from City of Temecula website, "Demographic Snapshot 2014 Report".

Santa Margarita River Region Report of Waste Discharge

During the term of the 2010 MS4 Permit, the Co-Permittees developed and utilized various programs to help protect water quality. These programs include the development of the Individual Jurisdictional Runoff Management Plan (JRMP) that specifies management programs and activities required of each Co-Permittee, as well as the development of the SMR Monitoring and Reporting Program (MRP). The Upper Santa Margarita River Watershed Water Quality Workplan (Watershed Workplan) was also developed during the permit term to identify and prioritize water quality concerns.

The Co-Permittees have also developed new and improved ways to maximize finite resources to protect Receiving Waters more effectively. Such examples are creating a more efficient process to review priority development projects, WQMPs, and track inspections. The Co-Permittees continue to improve procedures to efficiently respond to spills and other illegal discharges. The Co-Permittees also continue to educate the public about improving water quality through different engagements such as hosting public education events, speaking to employees and customers at home improvement stores, and speaking to students at local schools. The Annual Reports submitted under the 2010 MS4 Permit (which are contained in Appendix C) describe the Co-Permittees' various water quality improvement programs in detail.

This ROWD builds on the discussion in the Annual Reports by highlighting the major accomplishments of the Co-Permittees' programs, describing the challenges that they face and discussing their continuing efforts to protect Receiving Water quality. To promote clarity, terms defined in the 2010 MS4 Permit are capitalized in this ROWD.

1.1 ROWD Required Elements Summary

Table 1-2 Location of Required ROWD Elements per Directive K.2.c of 2010 MS4 Permit

Required ROWD Element	ROWD Location
1) Proposed changes to the Co-Permittees' runoff management programs	Section 3.80, and Appendix C
2) Proposed changes to monitoring programs	Section 3.0 and Appendix C
3) Justification for proposed changes	Section 3.80 and Appendix C
4) Name and mailing addresses of the Co-Permittees	Section 1.2

1.2 Co-Permittee Contact Information

The table below provides the contact information for each of the Co-Permittees in the Santa Margarita Region that have either technical or administrative involvement in the MS4 Permit.

Santa Margarita River Region Report of Waste Discharge

Table 1-3 Co-Permittee Contact Information

Co-Permittee	Primary Contact	Staff Contact	Address
District (Principal)	Warren D. Williams General Manager-Chief Engineer 951.955.1275	David Garcia Engineering Project Manager 951.955.1330 dhgarcia@rcflood.org	1995 Market Street Riverside, CA 92501
City of Murrieta	Bob Moehling City Engineer 951.461.6036. bmoehling@murrieta.org	Bill Woolsey Civil Engineer Associate 951.461.6073 wwoolsey@murrieta.org	1 Town Center 24601 Jefferson Avenue Murrieta, CA 92562
City of Temecula	Tom Garcia Director of Public Works 951.694.6411 tom.garcia@cityoftemecula.org	Aldo Licitra 951.694.6411 aldo.licitra@cityoftemecula.org	41000 Main Street Temecula, CA 92590
City of Wildomar	Dan York Public Works Director 951.677.7751 ext. 216 dyork@cityofwildomar.org	Matt Bennett Deputy City Engineer 951.677.7751 ext. 208 mbennett@cityofwildomar.org	23873 Clinton Keith Road, Suite 201 Wildomar, CA 92595
County of Riverside	Steve Horn Senior Management Analyst 951.955.1110 shorn@rceo.org	Claudia Steiding Senior Transportation Planner (Transportation Land Management Agency) 951.955.1694 csteiding@rctlma.org	4080 Lemon Street, 4 th Floor Riverside, CA 92501

1.3 Regional Board Jurisdictional Area Exchange

- **City of Wildomar (San Diego Co-Permittee)** - The City of Wildomar requests that the San Diego Regional Board continue regulating all portions of the city, regardless of Regional Board jurisdictional boundaries, for matters pertaining to MS4 permitting.
- **City of Menifee (Santa Ana Co-Permittee)** - At this time during the SMR ROWD process, the City of Menifee request that the San Diego Regional Board continue designating the Santa Ana Regional Board as the sole regulator of the City of Menifee pertaining to MS4 permitting.

2.0 Santa Margarita Region Permit Area Overview

2.1 Physiography and Geology

The upper Santa Margarita River watershed is defined as that portion of the Santa Margarita River watershed above the confluence of Murrieta and Temecula Creeks, and includes the City of Temecula and portions of the Cities of Menifee, Murrieta, Wildomar, unincorporated County areas, portions of the Cleveland and San Bernardino National Forests, the Cahuilla, Ramona, Pauma, and Pechanga Indian Reservations and properties under the jurisdiction of Caltrans and a variety of special districts. The watershed is bounded by several mountain ranges, including the Santa Ana and Santa Margarita mountains to the North and the Palomar Mountains to the South. The upper Santa Margarita watershed includes areas in Riverside and San Diego Counties and encompasses approximately 588 square miles.

The upper Santa Margarita watershed includes two major sub-basins, drained by Temecula and Murrieta Creeks. Temecula Creek has a drainage area of 366 square miles, with steep rugged topography in the Palomar and Thomas Mountain areas and rolling hills below. The upper 316 square miles of this basin is controlled by Vail Lake (completed in 1949). Murrieta Creek has a drainage area of 222 square miles, with over 50 square miles controlled by Skinner Reservoir (completed in 1974). Approximately 13 square miles are tributary to Diamond Valley Lake. Although the watershed area is somewhat smaller and less rugged than the Temecula Basin, flood flows have the potential to create greater damage as they flow through the cities of Temecula and Murrieta.

Temecula and Murrieta Creeks join along the Elsinore fault zone at the head of Temecula Canyon to form the Santa Margarita River. The Temecula Canyon is approximately five miles long, and is a steep, narrow, and rocky canyon. The San Diego-Riverside county line crosses through the Temecula Canyon. From here, the river traverses 27 miles to the Pacific Ocean.¹

2.2 Permit Area

The Permit Area is defined as the urbanized area served by the Co-Permittees' MS4 facilities. The Permit Area is located within the area delineated by the County boundary line on the south and the limits of the jurisdiction of the San Diego Regional Board on the north, east, and west. The area encompasses approximately 751 square miles, about 10 percent of the Riverside County. It may seem that with increased population growth within the region that urban land use should have increased, however, data shows that only approximately 9% of the region is designated as Urban Land Use. The remaining portion of the region consists of either: Open space, Preserves, Rural Residential (>1ac.), or Agriculture. The Santa Margarita River Watershed Area Land Use Map is attached as Appendix B.

¹ Santa Margarita Watershed Study: Hydrologic and Watershed Processes, Phillips, Williams and Associates, Ltd., October 26, 1998, page 1.

3.0 SMR Water Quality Data Efforts and Outcomes

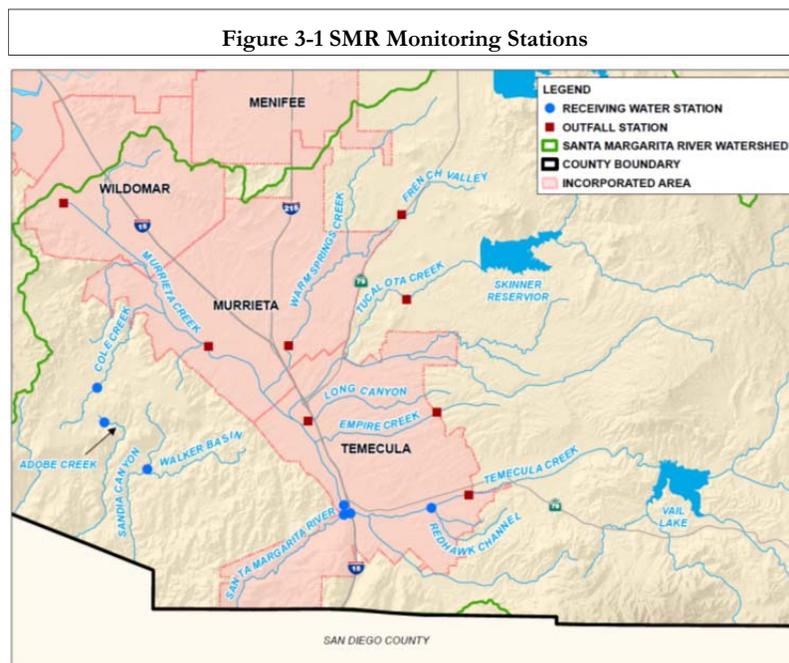
3.1 Summary

The SMR includes the portion of the Santa Margarita River Watershed within Riverside County. The monitoring station locations are shown in Figure 3-1 below, and are described in detail in the SMR Monitoring Report (see Appendix C). The SMR monitoring program has two general categories of monitoring stations: Receiving Water stations and MS4 outfall stations:

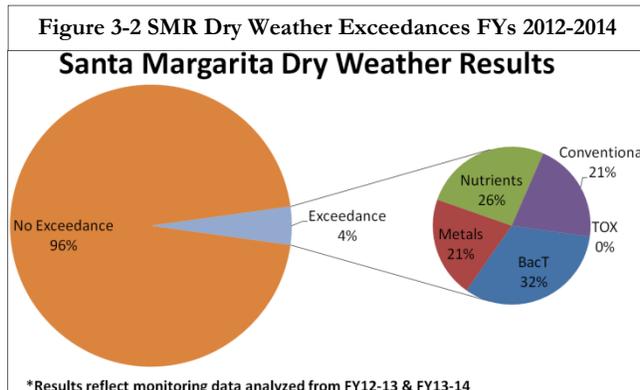
- Receiving Water monitoring stations are in waters of the U.S., and include reference streams and mass loading stations; and
- MS4 outfall stations are discharge points that are major outfalls.

While accomplishments from implementation of the SMR Monitoring and Reporting Program (MRP) are discussed in this section, the entire MRP is attached as Appendix C.

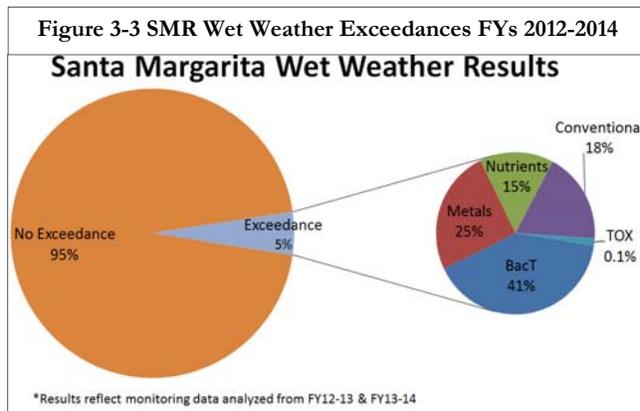
Each year, the Co-Permittees collect water quality samples at Receiving Water and MS4 outfall stations with various sampling frequencies, ultimately resulting in the collection of approximately 56 water quality samples. Anywhere from 80 to 243 constituents per sample undergo laboratory analysis for a full range of potential pollutants including pesticides, nutrients, metals and bacterial indicators. Only a small minority of the analytes were found to have exceeded federal and state Water Quality Standards. Although we only see a small group of constituents within the region having exceedances, the same class of constituents are seen statewide exceeding Water Quality Standards as evident from the CWA 303(d) list of waterbody impairments. The Co-Permittees are making strides in minimizing the exceedances of these particular constituents. The Co-Permittees' stormwater programs continue to adapt in order to protect Receiving Water quality. Accomplishments are highlighted in Section 3.5 below and in the Co-Permittee's individual JRMP annual reports.



3.2 Analysis Assessment of Water Quality Data



Overall, water quality conditions in SMR Receiving Waters are improving based on the number of waterbody-pollutant pairings in the upper Santa Margarita River watershed. Significant improvements are observed in the water quality sampling data sets. The results are discussed more fully in Section 3.6 (Effectiveness Assessment).



Under the Wet Weather monitoring program, approximately three water quality samples are collected at six Receiving Water stations, as well as one water quality sample from eight MS4 outfall stations. With additional sampling at the outfalls, 11 proximate Receiving Water locations are collected. This results in nearly 1,600 water quality data points.

Additionally, under the Dry Weather monitoring program, approximately two water quality samples are collected at six Receiving Water stations, as well as one water quality sample from eight MS4 outfall stations. With additional sampling at the outfalls, 11 proximate Receiving

Water locations are collected. This results in over 1,300 water quality data points. As seen in Figures 3-2 and 3-3, out of the 2,900 water quality data points collected during the permit term, the SMR has only seen approximately 5% exceedances. Long-term trend data, as limited to the mass loading Receiving Water stations, are available in Attachment I (Long-Term Instantaneous Loads and Trends) of the 2013-2014 SMR Monitoring Annual Report attached as Appendix C.

The Co-Permittees have been working diligently to determine the sources of the high priority pollutants by conducting special studies (see Section 3.7.1) and engaging with special work groups (i.e. Nutrient Initiative Group).

3.3 Inherent Limitations to Analyzing Stormwater Quality Data

There are inherent limitations to analyzing water quality data from stormwater. Stormwater runoff greatly contrasts from the wastewater treatment and monitoring process. Discharges from mechanically treated wastewater effluent and industrial discharges usually:

- Come from a single or a few readily identifiable sources;
- Are generally consistent in flow rate and chemical character from day to day; and
- Can be easily instrumented.

Conversely, rain events producing urban runoff and non-point source flows are difficult to collect and analyze due to the fact that they:

- Come from multitudes of unidentifiable or hidden sources, many of which are non-urban in nature:
 - Natural leaching of soils
 - Wildlife
 - Aerial deposition
 - Wildfires
 - State, federal or tribal lands
- Vary widely in flow rate in response to precipitation events
- Vary widely in chemical character at any given moment due to:
 - Unidentified episodic issues related to natural phenomena
 - Magnitude of rainfall and extent of contributing area
 - Potential one-time illicit discharges that were not identified at the time of sampling
 - Unforeseen or unidentified consequences of land use changes
- Are subject to significant natural random variation; and
- Cannot be easily instrumented due to the variation in depth and velocity within water courses or natural stream beds.

Because ephemeral stormwater flows are particularly random in character, it may take many years before statistically significant trends can be identified from the outfall monitoring data in order to properly assess the overall effectiveness of an Urban Runoff water quality control measure.

3.4 Bioassessment Data

Bioassessment is a field collection method in which the health of a specific ecological population of interest is evaluated (e.g. aquatic insects, algae, fish, plants, etc.).

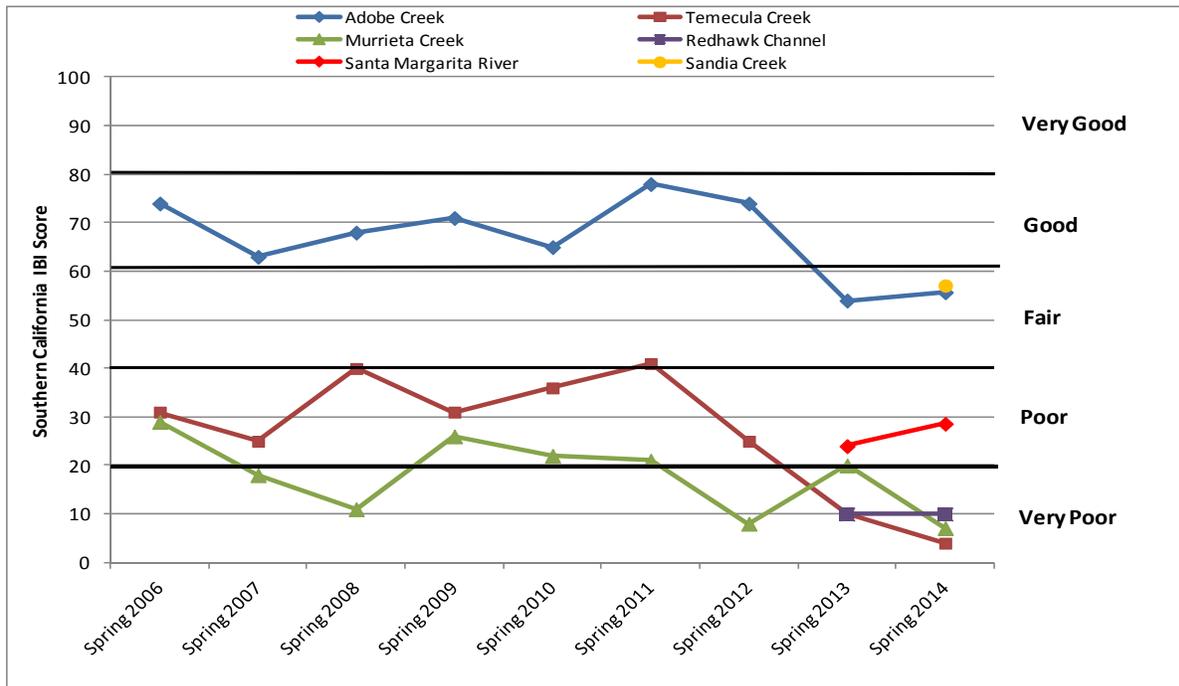
One population evaluated under this monitoring program were insects that live in the bottom substrate of the Receiving Waters. Where sufficient flows exist to support them, these organisms can provide a measure of water quality because they have a very diverse community structure, live a large portion of their lives in water as larvae or adults, have various sensitivities to natural and anthropogenic impacts, are easy to collect, and have life histories that are well studied. Similarly, algae populations were evaluated because they respond to increased stress due to natural and anthropogenic impacts in ways different than aquatic insects, and thereby together provide a picture of the water quality.

Dry weather bioassessments were performed according to the MRP at four designated Receiving Water stations (Lower Murrieta Creek, Lower Temecula Creek, Redhawk Channel, and Upper Santa Margarita River), as well as at two reference stations (Adobe Creek and Sandia Creek). All bioassessments were performed within the appropriate index period in Dry Weather (May 1st to July 30th).

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During the Permit Term, the overall biological health, as determined by the SoCal IBI scores², was "Poor" or "Very Poor" for the lower watershed stations. Reference sites (e.g., sites higher in the watershed with limited, to no impacts from urbanization) were rated as "Fair". Figure 4-1 depicts the historical summary of SoCal IBI Scores for the SMR monitoring stations.

Figure 4-1: Summary of SoCal IBI Scores for All Monitoring Stations (Spring 2006–Spring 2014)



Several differences between the reference sites and the receiving water sites were identified. This affects the overall IBI score and examples of these differences include the following:

- Riparian vegetation differs among the stations monitored. The majority of the monitoring stations are located lower in the watershed and have very little canopy coverage as compared to the reference sites. This tends to impact the water temperatures at the sites.
- Water temperatures measured at the majority of the Receiving Water sites were higher than those recorded at the reference sites. Similar to the previous reporting year, these differences in temperature were most likely due to the amount of overhead tree canopy surrounding the creeks. This, coupled with smaller wetted width at the reference sites, can lead to a denser tree canopy directly overhead of a stream, resulting in lower instream temperatures.
- A large difference noted between stations was the percentage gradient (slope) of the stream. Both reference stations have very high gradients (~2-4%), while the lower watershed stations ranged

² The SoCal IBI was developed to assess the biological integrity of freshwater streams in the southern California coastal region. Methods described in the *Quantitative Tool for Assessing the Integrity of SoCal Coastal Streams* (Ode et al., 2005) were used to calculate the Southern California Index of Biological Integrity (SoCal IBI) to evaluate the overall health of the benthic macro invertebrate community, based on the counts of various species contained in the taxonomy results.

Santa Margarita River Region Report of Waste Discharge

from very low to moderate (~0.7-1.5%). The steeper gradients create riffles and microhabitats that tend to yield higher IBI scores.

Overall the SMR is a dynamic system with large seasonal variations in flow, from dry streambeds to high-energy flows. This arid hydrological regime is typical in the southwestern region of California and can have significant impacts on bioassessment results.

Mediterranean climates, such as those in southern California, tend to have extremes in rainfall patterns, oscillating from periods of rainfall above normal to those very much below normal. As presented in Table 8 of the 2013-2014 Monitoring Annual Report (Attachment C), since the 1992-1993 reporting year, only three of the 21 periods have experienced at least "normal" (average) rainfall totals. Droughts influence the BMI community by decreasing overall base flows, increasing temperature, and potentially increasing algal growth. In a report on the patterns of BMI communities in non-perennial streams, Mazor et al. (2012)³ found that as stream flow decreases, overall IBI scores tended to decrease. In general, data suggests that a historic drought period may negatively influence the IBI scores.

It seems likely that the biological community are more responsive to the amount of water present than they are to water quality. The drought appears to inhibit our ability to clearly isolate water quality as the sole cause of low IBI scores. The method used for bioassessment does not adequately distinguish between the effects of simply not having sufficient water present (e.g., arid or drought conditions) and the effects of poor water quality on the target populations. Therefore falling IBI scores are not necessarily an indicator of worsening water quality in an arid region.

3.5 Monitoring Program Accomplishments

- Updated and enhanced the Consolidated Monitoring Program to incorporate new monitoring collection methods and data analysis protocols.
- Developed watershed boundaries and land use information for all monitoring stations;
- Reorganized the technical content of the Monitoring Annual Report;
- Added fire map information to assist with assessing potential Pollutant sources;
- Enhanced monitoring databases to be compatible with SCCWRP/SMC standard reporting protocols;
- Enhanced monitoring methods to incorporate use of automatic sampling equipment where appropriate;
- Designed and constructed the District's LID BMP Demonstration and Testing Facility. The project acts as a laboratory for testing the water quality and water conservation benefits of LID features;

³ Mazor, R.D., K. Schiff, P. Ode, and E. Stein. Final Report on Bioassessment in Nonperennial Streams. Report to the State Water Resources Control Board. Southern California Coastal Water Research Project Technical Report 695. June 2012.

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- Implemented several programs to detect IC/IDs, including field and MS4 facility inspections, IC/ID based Dry Weather outfall monitoring. Performed annual mock storm event exercises that involve physical inspections of storm drains and Receiving Waters;
- Operating procedures for Non-Stormwater Action Levels was developed during the permit term to help with IC/ID follow-up and reporting procedures. This allowed for consistency between Co-Permittees within the region;
- Participated in the Santa Margarita Watershed Nutrient Initiative – Stakeholder Group. The group was formed to address nutrient issues in the Santa Margarita River watershed. The group hopes to set regulatory targets based on state of the science techniques to ensure the biological, chemical, and physical integrity of the Santa Margarita River and its tributaries;
- Continued participation in regional and statewide monitoring and science efforts such as the Southern California Monitoring Coalition (SMC) to develop:
 - Lab inter-calibration of chemical, bioassessment and Toxicity testing methods
 - Testing methods for bioassessment and Toxicity in Southern California streams
 - A stormwater research needs report for southern California
- Continued participation with SCCWRP on the development of the Regional Watershed Monitoring Program for Southern California. Co-Permittees have representatives on the SMC Executive Committee and the Bioassessment Technical Subcommittee.

3.6 Effectiveness Assessment

A cumulative analysis and evaluation of monitoring data indicate that the Co-Permittees' stormwater programs have been effective in preventing further impairment of SMR Receiving Waters even during a time of population growth in the region. The SMR water quality data is encouraging, and the Co-Permittees continue to assess their programs and adapt their efforts to improve water quality throughout the region.

As set forth in the SMR Monitoring Annual Reports, water quality conditions in Receiving Waters appear to be improving. This is based on a decreasing number of exceedances for 303(d)-listed constituents in the SMR. The pollutants with an increase of concentration are addressed through various programs and management activities. The following pollutant waterbody combinations at historically monitored mass loading stations have exhibited statistically significant long-term trends:

- TDS at Murrieta Creek during dry weather—decreasing concentrations
- Nitrogen (total) at Murrieta Creek during dry weather—decreasing concentrations
- Sulfate at Temecula Creek during wet and dry weather—decreasing concentrations
- Fecal coliform at Temecula Creek during wet and dry weather—decreasing counts
- *E. coli* at Temecula Creek during dry weather—decreasing counts
- Manganese at Murrieta Creek during dry weather—increasing concentrations

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- The Co-Permittees initiated a Special Study to determine the cause(s) of the high concentrations of Iron and Manganese in the Region. The study is discussed briefly in Section 3.6.1.

The overall effectiveness of the Co-Permittees program is assessed based on the analysis of water quality data obtained as part of the MRP. The data has been collected and analyzed throughout the current permit term. However, the monitoring requirements of the 2010 MS4 Permit were not implemented until Fiscal Year 2012-2013. Although the initial Receiving Water quality data is encouraging, additional time and data is needed to fully assess the monitoring program results.

3.7 Watershed Program Highlights

The Co-Permittees can report the following accomplishments during the entire period of the 2010 MS4 Permit:

- Development of Best Management Practice (BMP) handbook to standardize post-construction selection and design in Riverside County. The handbook became effective September 2011.
- Development of the Upper Santa Margarita River Watershed Water Quality Workplan. Implementation began in June 2012, after submittal to Regional Board.
- Revised Co-Permittee monitoring programs to reflect new 2010 MS4 Permit changes. The changes were put into effect as of October 2012.
- Development of the Co-Permittees' Individual JRMPs. Implementation of JRMPs began in June 2012.
- Development of a Water Quality Management Plan (WQMP) that addresses post-construction stormwater runoff management for New Priority Development Projects and Redevelopment Projects. The WQMP became effective on July 11, 2014.
- Development and enhancements to the design template for developing project-specific WQMPs. The WQMP Template became effective on July 11, 2014.
- Development of the Santa Margarita Region (SMR) Hydromodification Management Plan (HMP). The Compliance plan became effective on July 11, 2014.
- Developed the Santa Margarita Region Hydrology Model (SMRHM) software to help developers analyze projects to meet the HMP requirements. The software became free to the public to download on July 11, 2014.
- Development of WQMP and HMP training and education courses. The courses were developed in 2014 to introduce the new development programs.
- Development of the Stormwater and Water Conservation Tracking Tool in collaboration with the Santa Ana Region Co-Permittees in Riverside County. The tracking tool became available to the public for use in 2014.
- Development and maintenance of Co-Permittee databases to track construction sites of 1-acre or larger in size. In addition, the Co-Permittees have standardized a construction reporting spreadsheet used for Annual Reports, updated inspection forms, and enhanced the construction outreach program.

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- Creation of Co-Permittee databases to track industrial and commercial facilities.
- Continuation of the Riverside County Stormwater Pollution Prevention public education program which offers educational resources and free brochures targeting residents, businesses, developers, contractors, and elementary school children.
- Participation in regional and statewide monitoring efforts such as the Southern California Stormwater Monitoring Coalition (SMC), Southern California Coastal Water Commission and National Water Resources Institute.
- Participation in the California Stormwater Quality Association (CASQA), including various leadership roles.
- Continued partnership in the Upper Santa Margarita Region Integrated Regional Watershed Management Plan
- Performance of multiple special studies during the 2010 MS4 Permit term that have helped to identify causes of pollutants within the Santa Margarita Region. These studies are discussed further in Section 3.7.1

3.7.1 Special Studies Conducted

Sediment Toxicity – The goal of the study was to assess the quality of stream sediments and possible contamination from MS4 runoff in receiving waters. The workplan was finalized, based on approval of the Water Board, in May 2013. The results of monitoring metals, organochlorine pesticides, and synthetic pyrethroid pesticides in sediment indicated that the concentrations were generally below target threshold and effect levels.

Trash and Litter Investigation – The goal of the study was to provide information regarding BMP effectiveness for trash and to help guide management actions and BMP implementation for trash in the SMR. The study was submitted to the Regional Board in 2013 along with the Monitoring Annual Report. The report found that trash and litter was not a significant issue in the receiving waters within SMR.

Agricultural, Federal, Tribal and State Input Study – This study investigates the water quality of agricultural, federal, and tribal runoff that is discharged into the Co-Permittees' MS4. The goal of the study was to characterize stormwater flows that are not regulated by the Co-Permittees but have influence upstream of their MS4s. The preliminary findings have found that the highest levels of pollutant concentrations were measured from agriculture land use. The second year of required monitoring for the special study is currently being completed within FY 2014-2015. A final report is anticipated to be submitted with the 2014-2015 Monitoring Annual report.

Low-Impact Development (LID) Retention Impacts Study – The Co-Permittees participated in the development of the special study in order to assess the impacts of LID on surface flows, the potential relationship to beneficial uses, and the effects on water supply rights of down downstream jurisdictions. The LID Retention Impacts Study was prepared in lieu of the required "MS4 and Receiving Water Maintenance Study" (required under Attachment E, Section II.E.S of the 2010 Order) and the "Intermittent and Ephemeral Stream Perennial Conversion Study" (required under Attachment E, Section II.E.6 of the 2010 Order), as described in correspondence received from the Regional Board dated September 14, 2012.

Santa Margarita River Region Report of Waste Discharge

Per agreements with Board staff, a study scope was prepared to evaluate whether or not LID requirements were likely to have a significant impact on storm flows and base flows to the Santa Margarita Gorge. The project team met with Regional Board staff and jointly developed a modeling approach that would provide an indication as to whether or not further assessment would be required. The study and findings were subject to a peer review conducted under the direction of the Southern California Coastal Watershed Research Project (SCCWRP).

The results of this study indicate that the retention of surface runoff will result in greater evaporation and less stormwater runoff to the Santa Margarita Gorge when LID is implemented, as compared to traditional stormwater BMPs only, but greater stormwater runoff than under current conditions. The reduced streamflow at the Gorge under future full build-out with LID for both new and existing development conditions may impact downstream beneficial uses.

The peer review comments reflect issues that may need to be addressed for a more comprehensive modeling exercise. However, given the results of this conceptual modeling study and considering the comments from the peer review panel, our preliminary conclusion is that the impacts from LID implementation in the Upper Santa Margarita River watershed would not be significant under likely development scenarios, and no further actions are recommended.

Source Assessment of Iron and Manganese Study – The Co-Permittees initiated a study investigating the persistent exceedances of iron and manganese water quality objectives (WQOs) within SMR. The Co-Permittees initiated a source analysis indicating that iron and manganese concentrations in Receiving Waters are strongly associated with the geology located throughout the SMR. Additional sources, including MS4 contributions were evaluated, but the weight of evidence suggests that iron and manganese concentrations are consistent with the local geology. High concentrations were also observed in reference streams from undeveloped watersheds of similar geological characteristic. The preliminary results are evidence that natural sources are the cause of elevated levels of iron and manganese in Receiving Waters.

3.8 Proposed Program Modifications and Revisions

3.8.1 SMR Monitoring Program

The Co-Permittees request several revisions and/or modifications to the monitoring program.

Removal of Carbamate Pesticides from Constituent List

In the upcoming 2015-2016 Monitoring Year, the Co-Permittees request that Carbamate Pesticides be removed from the constituent lists, based on the data collected during the Permit term. As evidenced by the results of the Monitoring Annual Reports (e.g., Attachment H, Detected Results located within Appendix C), the Carbamate Pesticides have not been detected in the water quality samples. Furthermore this list of Carbamate Pesticides includes many compounds that have been banned by EPA or are in process of cancelling registrations for use (e.g. Carbofuran). This request is in conformance with the requirements of 40 CFR 122.44. With the removal of these constituents, the Co-Permittees will focus on detected constituents that potentially threaten water quality.

Receiving Water Monitoring Revisions

The 2010 Permit focused on the correlation of the water quality chemistry, toxicity, and stream assessment findings to help identify water quality priorities. However, the data collected from outfalls and receiving water stations was limited due to the severe drought conditions. In several cases there was no

Santa Margarita River Region Report of Waste Discharge

flow in the Receiving Water. In the case of the stream assessment program (see Section 3.4), results yielded low IBI scores induced by drought. The Co-Permittees recommend that the next Permit term refocus monitoring efforts towards reliable data collection such as:

- A detailed reconnaissance of region-wide outfalls to identify intermittent and persistent sources of urban runoff into receiving waters, prioritize those locations, and then relocate the outfall monitoring stations to the high priority outfall locations.
- Limit Receiving Water monitoring to the three mass loading stations (i.e., Adobe, Temecula, and Murrieta) as these locations have historical data available for long-term trend comparison. These long-term stations may provide better utility for data comparisons as programs are implemented.
- As described above in Section 3.4, the drought appears to inhibit the Co-Permittees' ability to use IBI scores to correlate the bioassessment results with water quality impacts. The method used for bioassessment does not adequately distinguish between the effects of simply not having sufficient water present and the effects of poor water quality on the target populations. We note that as the drought continues the IBI scores decrease; therefore, falling IBI scores may not be a reliable indicator of worsening water quality in an arid region. The arid conditions may mask an accurate assessment of the water quality impacts on a stream. The Co-Permittees request that the Regional Board suspend stream assessment until an appropriate protocol is developed for arid region.

Revision of the Definition of Wet/Rainy Season

The Co-Permittees request that the Wet/Rainy Season be modified from October 1st to April 30th, to October 1st to May 31st. The extension would more accurately reflect the watershed's precipitation season, and extend the period for successful Wet Weather sampling opportunities.

3.8.2 Proposed JRMP Revisions

The Co-Permittees do not foresee major changes to their JRMPs at this time. However, the City of Temecula and the County are in the process of a minor revision to their standards to emphasize erosion control as the most important measure for keeping sediment onsite during construction.

4.0 Additional Comments on Proposed Permit

- **Previous Comments** - The Co-Permittees previously have expressed concerns regarding inclusion in the San Diego Regional Board's Regional Permit (Order No. R9-2013-0001, as modified by Order No. R9-2015-0001). The Co-Permittees' concerns and legal objections to inclusion in a regional permit are set out more fully in our written comment letter dated January 10, 2013, in Order No. R9-2013-0001 and November 19, 2014 regarding Order R9-2015-0001. For your convenience, these comments are included as Appendix D.
- **Receiving Water Limitations Language** - The Riverside County Co-Permittees continue to believe strongly that every MS4 Permit should incorporate a clear and achievable path to compliance for Co-Permittees. The Co-Permittees are actively participating in the workshops held by Regional Board staff concerning this important topic.

The focus of the Watershed Workplan is on an iterative, flexible, and priority-setting approach that is intended to enable the Co-Permittees to focus on the most important water quality impairments in the SMR, and improve water quality. As we have previously commented, if the Co-Permittees have no protection from automatic liability for exceedances of water quality standards, they must address each such exceedance, even when that exceedance may be transitory or of minimal environmental or public health consequence. Stretching resources to address such issues diverts limited Co-Permittee resources from the most important threats to water quality and delays overall water quality improvement.

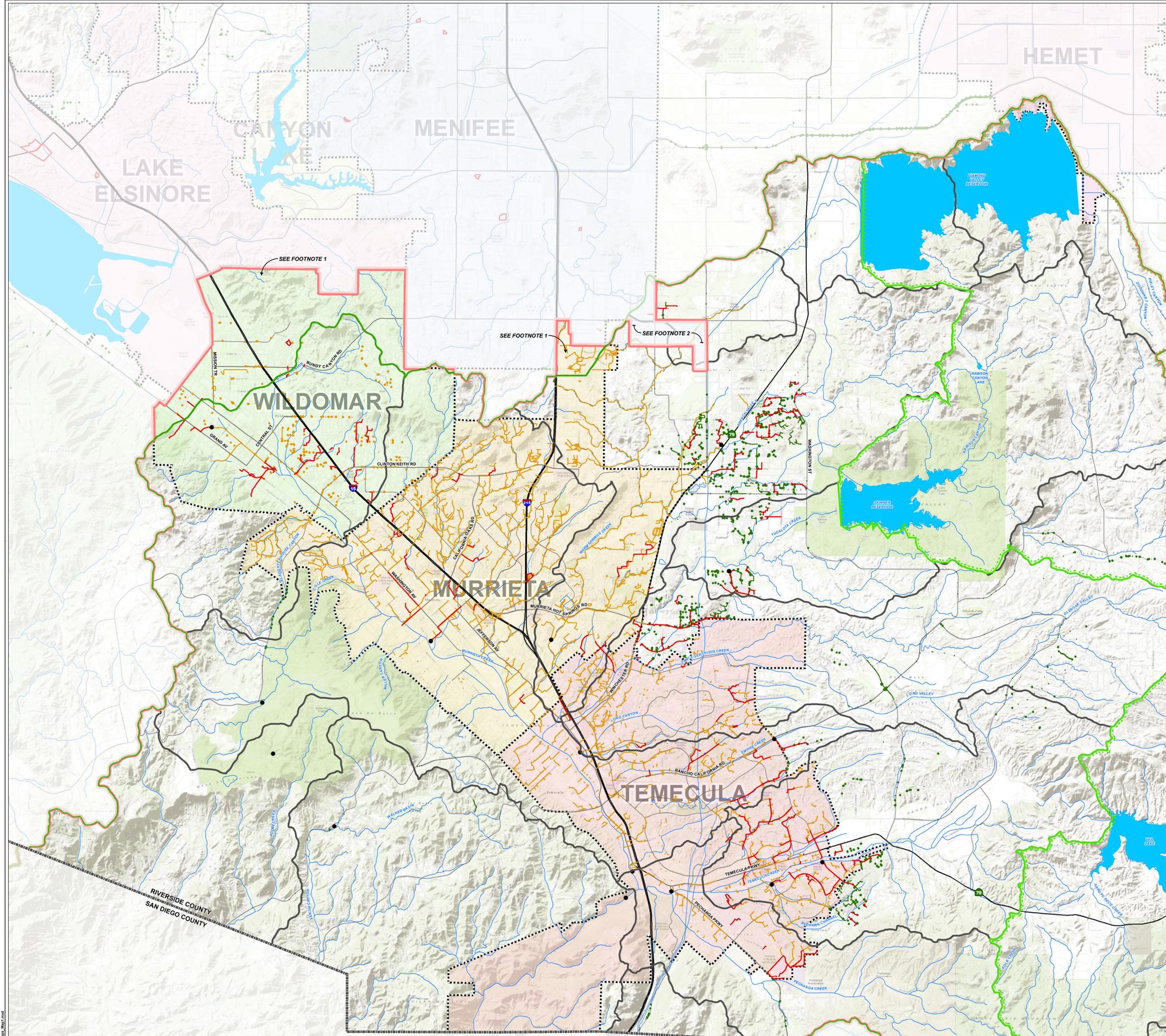
State Board staff has already strongly signaled its support of alternative compliance language in MS4 permits, as set forth in the draft Order on the petitions challenging the 2012 Los Angeles County MS4 Permit. The Co-Permittees look forward to working with Regional Board staff, permittees from Orange and San Diego Counties, and the other stakeholders to develop appropriate alternative compliance language.

- **Prior Lawful Approval Language** - The Co-Permittees request language that allows each Co-Permittee to evaluate each project independently, in order to determine at their sole discretion, compliance as it relates to Prior Lawful Approval.
- **CEQA Processing Considerations** – Programmatic requirements that entail structural improvements such as retrofits and/or BMPs will trigger CEQA compliance. Future Permit language should discuss lead agency designation and consider CEQA processing in future workplan implementation timelines.

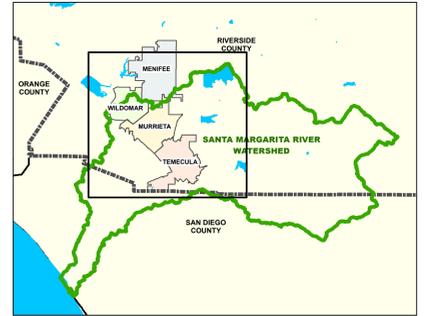
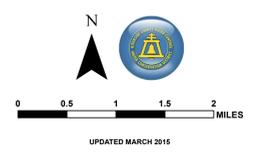
Santa Margarita River Region
Report of Waste Discharge

Appendix A
2015 SMR MS4 Facility Map

APPENDIX A
SANTA MARGARITA RIVER WATERSHED
2015 ROWD
MS4 PERMIT AREA FACILITIES MAP
EXHIBIT SMR-1



- CITY MS4 FACILITIES
- COUNTY MS4 FACILITIES
- RCFC&WCD MS4 FACILITIES
- SANTA MARGARITA RIVER WATERSHED BOUNDARY
- SANTA MARGARITA RIVER MS4 PERMIT AREA BOUNDARY
- AREA CONTROLLED BY VAIL LAKE & LAKE SKINNER
- HUC SUBWATERSHEDS
- MONITORING STATIONS
- WATERBODIES
- WATERCOURSES
- RIVERSIDE COUNTY BOUNDARY
- INCORPORATED AREAS
- FREEWAYS/HIGHWAYS
- PRIMARY ROADS
- SECONDARY ROADS

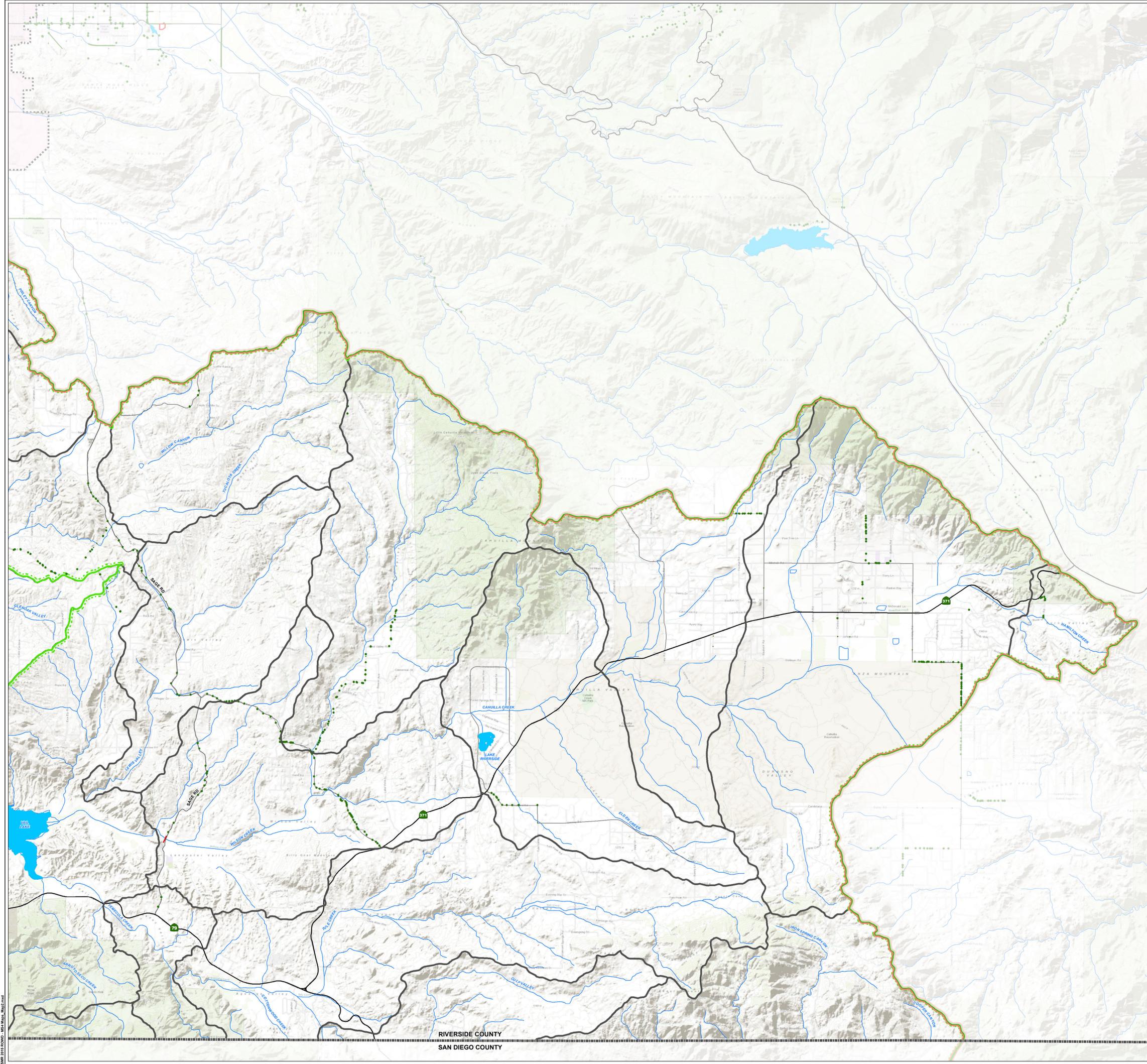
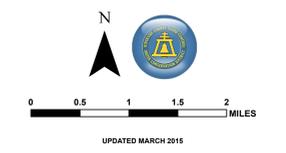


FOOTNOTES:
 1) MS4 PERMIT AREA ADDED TO REGION 9 BASED ON JURISDICTIONAL AREA SWAP AGREEMENT BETWEEN REGION 8 AND REGION 9
 2) MS4 PERMIT AREA REMOVED FROM REGION 9 BASED ON JURISDICTIONAL AREA SWAP AGREEMENT BETWEEN REGION 8 AND REGION 9

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APPENDIX A SANTA MARGARITA RIVER WATERSHED 2015 ROWD MS4 PERMIT AREA FACILITIES MAP EXHIBIT SMR-2

-  CITY MS4 FACILITIES
-  COUNTY MS4 FACILITIES
-  RCFC&WCD MS4 FACILITIES
-  SANTA MARGARITA RIVER WATERSHED BOUNDARY
-  SANTA MARGARITA RIVER MS4 PERMIT AREA BOUNDARY
-  AREA CONTROLLED BY VAIL LAKE & LAKE SKINNER
-  HUC SUBWATERSHEDS
-  MONITORING STATIONS
-  WATERBODIES
-  WATERCOURSES
-  RIVERSIDE COUNTY BOUNDARY
-  INCORPORATED AREAS
-  FREEWAYS/HIGHWAYS
-  PRIMARY ROADS
-  SECONDARY ROADS



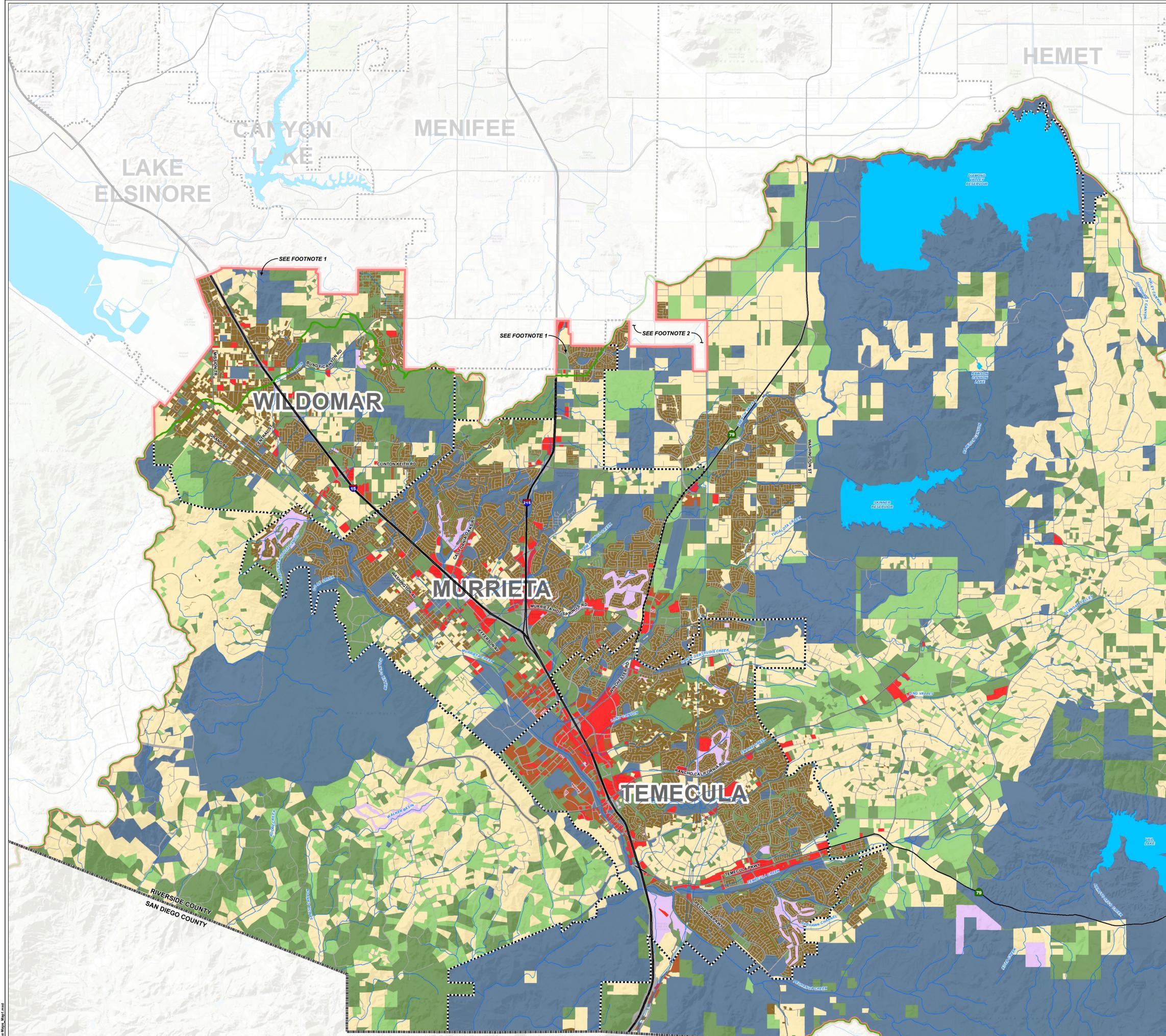
RIVERSIDE COUNTY
SAN DIEGO COUNTY

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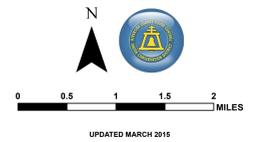
Santa Margarita River Region
Report of Waste Discharge

Appendix B
2015 SMR Land Use Map

APPENDIX B
SANTA MARGARITA RIVER WATERSHED
2015 ROWD
AREA LANDUSE MAP - EXHIBIT SMR-1



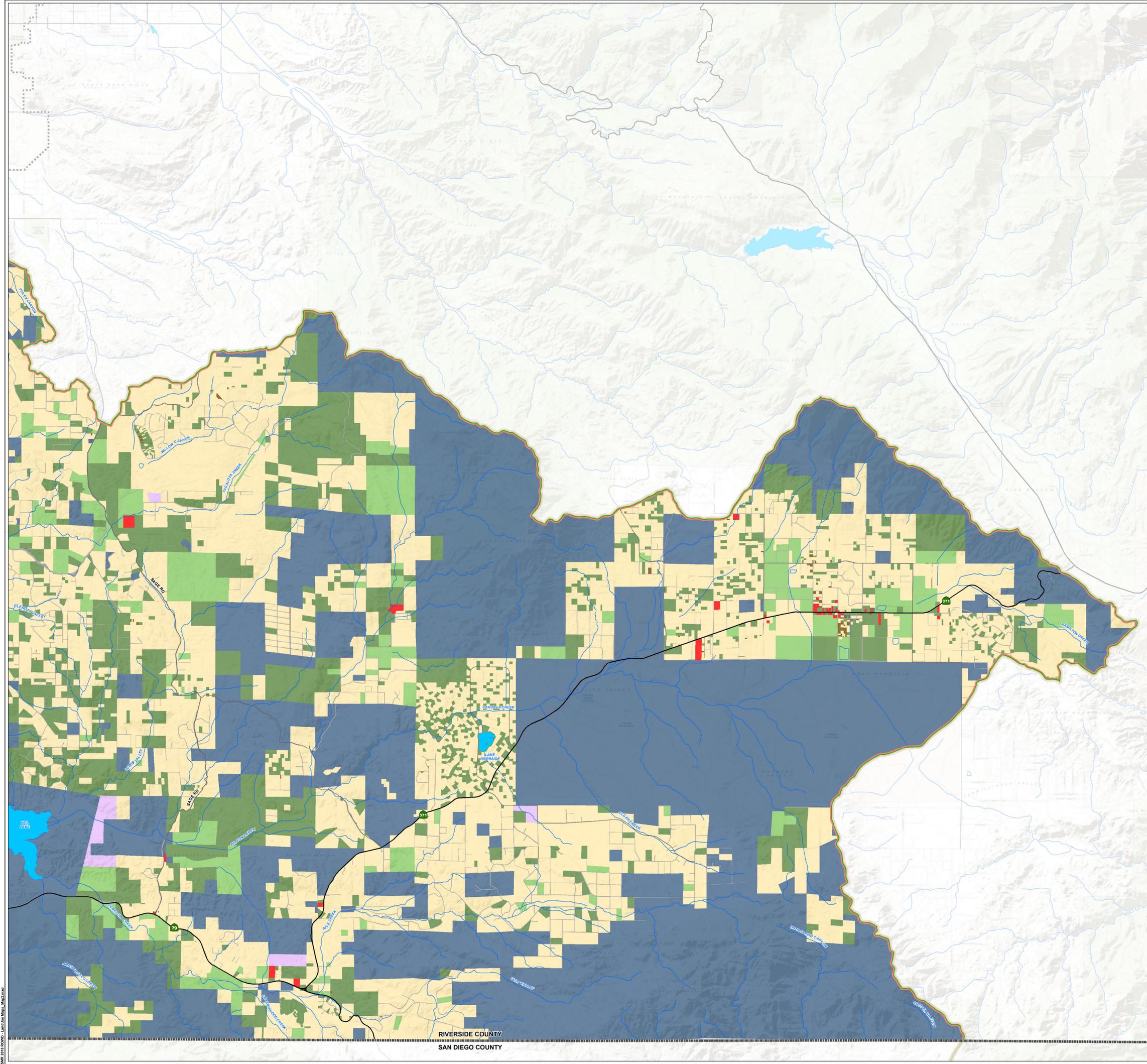
- LEGEND:**
- SANTA MARGARITA RIVER WATERSHED BOUNDARY
 - SANTA MARGARITA RIVER MS4 PERMIT AREA BOUNDARY
 - WATERBODIES
 - WATERCOURSES
 - RIVERSIDE COUNTY BOUNDARY
 - INCORPORATED AREAS
 - FREEWAYS/HIGHWAYS
 - PRIMARY ROADS
 - SECONDARY ROADS
- NON-URBAN LAND USE:**
- AGRICULTURAL
 - EXEMPT
 - PRESERVES OPEN SPACE
 - RURAL RESIDENTIAL (1 ACRE OR MORE)
- URBAN LAND USE:**
- COMMERCIAL
 - INDUSTRIAL
 - PARKS AND RECREATION
 - STREETS
 - URBAN RESIDENTIAL (LESS THAN 1 ACRE)



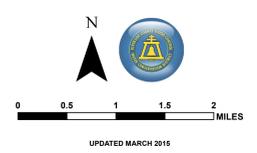
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APPENDIX B
SANTA MARGARITA RIVER WATERSHED
2015 ROWD
AREA LANDUSE MAP - EXHIBIT SMR-2



- LEGEND:**
- SANTA MARGARITA RIVER WATERSHED BOUNDARY
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RIVERSIDE COUNTY
SAN DIEGO COUNTY

Appendix C
FY13-14 JRMP / Monitoring Annual Report References

(Note: Due to its large size, this attachment is provided in electronic format only)

WARREN D. WILLIAMS
General Manager-Chief Engineer



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FAX 951.788.9965
www.rcflood.org

RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

October 29, 2014

Sent UPS Next Day Air

Mr. David Gibson, Executive Officer
Northern Watershed Unit
CRWQCB-San Diego Region
2375 Northside Drive, Suite 100
San Diego, CA 92108

Dear Mr. Gibson:

Re: FY 2013-2014 JRMP Annual Reports
Order No. R9-2010-0016
NPDES Permit No. CAS0108766

Please find attached copies of the FY 2013-2014 Individual Jurisdictional Runoff Management Program (JRMP) Annual Reports for the National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) program for the Santa Margarita Region of Riverside County. The following JRMP Annual Reports are submitted in accordance with Fourth-term NPDES MS4 Permit (Board Order No. R9-2010-0016, NPDES Permit No. CAS0108766) adopted by the San Diego Region Regional Water Quality Control Board (Regional Board) on November 10, 2010 for the Santa Margarita Watershed Region of Riverside County (Fourth-term NPDES MS4 Permit):

- Riverside County Flood Control and Water Conservation District (District) JRMP Annual Report
- County of Riverside Individual JRMP Annual Report
- City of Murrieta Individual JRMP Annual Report
- City of Wildomar Individual JRMP Annual Report

The Individual JRMP Annual Report summarizes the Co-Permittees' individual compliance activities during Fiscal Year 2013-2014. The Co-Permittees' Individual JRMP Annual Reports are being submitted under the same cover as the District's submittal; however, the City of Temecula (Co-Permittee) will submit their Individual JRMP Annual Report under a separate cover.

The District is committed to continuing its ongoing efforts to work cooperatively with the Co-Permittees, Regional Board staff and other stakeholders in implementing an effective municipal stormwater program and fulfilling the requirements of the current Fourth-term NPDES MS4 Permit.

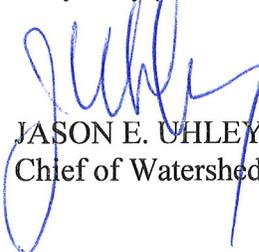
Mr. David Gibson
San Diego Regional Water Quality Control Board
Re: FY 2013-2014 JRMP Annual Report
Order No. R9-2010-0016
NPDES Permit No. CAS0108766

- 2 -

October 29, 2014

If you have any questions concerning this matter, please feel free to call me at 951.955.1273 or David Garcia at 951.955.1330.

Very truly yours,



JASON E. UHLEY
Chief of Watershed Protection Division

Attachments:

- District Individual JRMP Annual Report FY 2013-14
- County of Riverside Individual JRMP Annual Report FY 2013-14
- City of Murrieta Individual JRMP Annual Report FY 2013-2014
- City of Wildomar Individual JRMP Annual Report FY 2013-2014
- CD/DVD with electronic copies of above reports

cc: Eugene Bromley, U.S.E.P.A. - Region IX
(Electronic Copy)

ERL:cw
P8/164760

**SANTA MARGARITA WATERSHED
NPDES MUNICIPAL STORMWATER PERMIT
(NPDES No. CAS0108766)**

**JURISDICTIONAL RUNOFF
MANAGEMENT PROGRAM (JRMP)
ANNUAL REPORT**

FOR

**Riverside County Flood Control
and Water Conservation District**

FISCAL YEAR 2013 – 2014

October 31, 2014

	Certification
I.	Executive Summary
II.	Introduction
1.	New Development
2.	Construction
3.	Municipal
4.	Industrial/Commercial
5.	Residential
6.	Retrofitting Existing Development
7.	Illicit Discharge Detection and Elimination
8.	Workplans
9.	Non-Stormwater Discharges
10.	Receiving Water Limitations
11.	Fiscal Analysis
12.	Assessment and Response Reporting
13.	Conclusions
14.	Recommendation
Attachment A	Annual Report Checklist
Attachment B	NAL & SAL Exceedance Investigation Report
Attachment C	Workplan Updates – No updates during FY13-14
Attachment D	Reference Material
Attachment E	MS4 Facility Map

ORDER NO. R9-2010-0016

Submitted to:

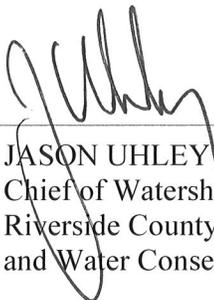
**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION**

CERTIFICATION

**Santa Margarita Watershed
JRMP Annual Report
Fiscal Year 2013-2014**



I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signed: 

JASON UHLEY
Chief of Watershed Protection Division
Riverside County Flood Control
and Water Conservation District

I. EXECUTIVE SUMMARY CONTD.

The Riverside County Flood Control and Water Conservation District (District) individual Jurisdictional Runoff Management Plan (JRMP) Annual Report (Annual Report) documents the specific urban runoff management programs and activities implemented by the District to comply with the requirements of the Fourth-term Municipal Separate Storm Sewer System (MS4) Permit issued to the District by the San Diego Regional Water Quality Control Board (Regional Board) on November 10, 2010 (Board Order R9-2010-0016). The Fourth-term MS4 Permit (Board Order R9-2010-0016) was adopted by the SDRWQB on November 10, 2010.

The Fourth-term Permit regulates stormwater discharges from Co-Permittee owned MS4s within the Santa Margarita Watershed Region of Riverside County (SMR). The following municipal governments are Co-Permittees on this Permit:

- The District (serving as Principal Co-Permittee)
- The County of Riverside
- The City of Murrieta
- The City of Temecula
- The City of Wildomar

The cities of Wildomar and Menifee are also partially within the Santa Margarita Watershed; however, being newly incorporated cities, they were not Co-Permittees under the Third-term MS4 Permit. The City of Wildomar has been added as a Co-Permittee to the Fourth-term MS4 Permit. Additionally, during the permit renewal process and negotiations for the Fourth-term MS4 Permit, an agreement between the Santa Ana Regional Water Quality Control Board (SARWQCB) and San Diego Regional Water Quality Control Board (SDRWQCB) for a jurisdictional swap was drafted and finalized, and is now in effect. The entire City of Menifee is now governed by SARWQCB and the entire jurisdictional areas of the cities of Murrieta and Wildomar are governed by SDRWQCB. The only exception to this swap is with regard to TMDLs. Any TMDL adopted by the SDRWQCB and incorporated into the SMR Permit must be complied with by Menifee. Similarly, TMDLs in the Santa Ana MS4 Permit must be complied with by Wildomar.

The goals of these permits are to protect and enhance the quality of surface waters within the watershed to protect their beneficial uses as described in the Basin Plan. As stated above, this report documents the specific activities and programs of the District to reduce pollutants in discharges from District-owned MS4 to the MEP, and to effectively prohibit illegal discharges.

The Fourth-term MS4 Permit requires each Co-Permittee to develop an individual Jurisdictional Runoff Management Plan (JRMP). As Principal Co-Permittee, the District coordinated the development of the compliance program. Individual Co-Permittee JRMP Annual Reports are required to be submitted to the Regional Board on or before October 31st of each calendar year. In addition, as Principal Co-Permittee, the District is tasked with coordinating the submittal of the Individual JRMP Annual Reports for the other Co-Permittees within the SMR.

I. EXECUTIVE SUMMARY CONTD.

This Annual Report covers the period extending from July 1, 2013 through June 30, 2014 and specifically responds to reporting requirements specified in Section K.3. of the Fourth-term MS4 Permit. This includes identifying program progress and effectiveness evaluations.

The District was created by an act of the State Legislature and is charged with providing flood protection within the limits of its service area. The District constructs, owns, and maintains an expansive network of MS4s throughout the western portion of Riverside County including in the Santa Margarita Watershed; however, its legislative charter does not provide any authority (police power) to regulate land-use for areas tributary to these MS4 systems. As such, the District's activities continue to be limited to MS4 maintenance activities, public outreach, training, water quality monitoring and IC/ID activities. The District relies on the combined legal authority with the Co-Permittees for all enforcement activities outside of District right-of-way.

Program Implementation Highlights

The District continues to evaluate and optimize its programs based on the observations of District staff, RWQCB audits and other sources of input. Highlights for the current reporting period are as follows:

- The District coordinated and implemented the regional programs described in the District's Santa Margarita Region JRMP.
- The District as the Principal Co-Permittee coordinated the development of the various compliance documents for compliance with the Fourth-term MS4 Permit, adopted on November 10, 2010.
- Continued Improvement of the Development Planning Program.
 - Planning the formation of a community facilities district (CFD) through which the District will be able to assume public maintenance of low impact development (LID) BMPs of certain developments in the unincorporated County areas.
 - The District has completed the overhaul of the existing BMP Design Handbook to include enhanced LID BMP design guidance and worksheets with an additional section on harvest and use. The BMP Design Handbook is currently being updated once more to reflect the recently approved Hydromodification Management Plan (HMP) to address HMP BMPs.
 - The District has completed construction of the Low Impact Development Testing and Demonstration Facility retrofit at District headquarters in Riverside. This facility has both regional and state-wide benefits as it will help to increase municipal, developer, and public awareness of LID technology and is capable of collecting data necessary to assess the effectiveness of various LID techniques.
 - The District continues to review water quality management plans (WQMPs) for development projects within unincorporated County areas, at the request of the County of Riverside.

I. EXECUTIVE SUMMARY CONTD.

- In collaboration with Riverside County Co-Permittees, the development of the HMP document has been completed and approved by the Regional Board.
- The effective date was July 11, 2014. Any improvements or modifications will be discussed during next fiscal year's annual report (FY 2014-2015).
- The SMR Standard Stormwater Mitigation Plan (SSMP) (also referred to as Model WQMP) was approved and became effective on July 11, 2014.
 - Since the approval was outside this reporting period, any discussion on improvements or modifications will be discussed in next year's JRMP Annual Report (FY 2014-2015).
- Continued improvement of municipal maintenance programs.
 - Enforced new formalized procedures regarding removing transient encampments within District rights of way and MS4 facilities.
- Continued improvement of the IC/ID programs.
 - Continued to utilize the database to track third-party discharges and review what is tracked in the database in order to effectively track illicit discharges.
 - An updated/revised IC/ID program, including non-stormwater action levels (NALs), are being implemented to comply with the requirements specified in the adopted Fourth-term MS4 Permit.
- Continued participation in regional planning efforts.
 - Continued serving as one of the three board members of the Regional Water Management Group for the Upper Santa Margarita Region Integrated Water Management Plan, including supporting application for Proposition 84 IRWM implementation funds.

For purposes of this Annual Report, the terms "Upper Santa Margarita River Watershed Water Quality Workplan" and "Standard Stormwater Mitigation Plan" (SSMP) referenced in the Permit are referred to as the "Watershed Workplan" and "Water Quality Management Plan" (WQMP), respectively, to be consistent with terminology previously established and in use by the Co-Permittees.

II. INTRODUCTION

The District's individual JRMP Annual Report contains information that covers implementation of jurisdictional activities during the reporting period of FY 2013-2014. The Annual Report also verifies and documents compliance with Order No. R9-2010-0016. The program sections within the Annual Report contain data that will assist the District in determining if modifications are required to help improve water quality within the Santa Margarita Region (SMR). Any JRMP program and workplan updates will be addressed in this Annual Report and reviewed annually.

**1. NEW DEVELOPMENT
(SECTION F.1. of ORDER NO. R9-2010-0016)**

New Development

1) General Plan/Environmental Review K.3.c.(4)1:

a) Description of any amendments/updates to the General Plan as required by Section F.1.a. of the 2010 SMR MS4 Permit:

The District's enabling act does not provide authority (police power) to regulate land-use; therefore, the District does not maintain a General Plan or otherwise control the overall development project approval process within its service area.

b) Description of any amendments/updates to the environmental review process as required by Section F.1.b. of the 2010 SMR MS4 Permit:

Not applicable to the District. The District does not regulate private developments. The County's review process, as it relates to private development projects (PDPs), is described in the Riverside County JRMP.

c) Description of any planned updates to the General Plan or the environmental review process within the next Annual Reporting period as required by Sections F.1.a.&b of the 2010 SMR MS4 Permit:

Not applicable to the District. The District does not have any authority to regulate land-use.

**2) SSMP status as required under Section F.1.d. of the 2010 SMR MS4 Permit K.3.c.(4)2.
Description of all revisions to the SSMP, including where applicable:**

The SSMP (also referred to as a WQMP) was submitted to the Regional Board on June 30, 2012. The Regional Board approved the WQMP and became effective on July 11, 2014. All PDPs within the SMR will comply with all requirements of the newly approved WQMP. During this reporting period, the 2009 WQMP requirements were being implemented.

a) Identification and summary of where the SSMP fails to meet the requirements of the 2010 SMR MS4 Permit as required under Section F.1.d. of the 2010 SMR MS4 Permit:

The District's SSMP does not fail to meet the requirements of the 2010 SMR MS4 Permit.

**1. NEW DEVELOPMENT
(SECTION F.1. of ORDER NO. R9-2010-0016), CONTD.**

b) Updated procedures for identifying Pollutants of Concern (POC) for each Priority Development Project as required under Section F.1.d.(3) of the 2010 SMR MS4 Permit:

Current procedures that identify POCs for PDPs are located in Section 4.3 of the 2009 WQMP (implemented during FY 2013-14) and Section 2.2.4 of the newly approved SMR WQMP (effective date July 11, 2014).

c) Updated Treatment Control BMP ranking matrix as required by Section F.1.d.(6)(b)(i) of the 2010 SMR MS4 Permit:

The Treatment Control BMP ranking matrix was not updated during FY 2013-2014.

d) Updated Site Design and Treatment Control BMP design standards as required by Sections F.1.d.(4)(c)(i) and F.1.d.(6)(b)(ii) of the 2010 SMR MS4 Permit:

Design standards for site design and treatment control BMPs were not updated. Current approved standards are being implemented from the previous fiscal year.

3) Priority Development Projects K.3.c.(4)3:

a) The District reviewed thirty-three (33) and conditionally approved twenty-three (23) PDPs during the reporting period.

At the County of Riverside's request, the District reviews proposed developments in the unincorporated County area for water quality and flood control related impacts and recommends appropriate conditions of approval to the County. This being said, the District does not give final approval to PDPs.

b) The following LID and Source Control BMPs were required at applicable approved Priority Development Projects as required by the 2010 SMR MS4 Permit:

The District requires that the minimum LID BMP requirements listed below are implanted when reviewing PDPs.

Table 1-1: LID BMP Requirements

Reference	LID BMP Requirements
F.1c.(2)(a)	Conserve natural areas, including existing trees, other native vegetation, and soil.
F.1c.(2)(b)	Construct streets, sidewalks, or parking lot aisles to the minimum widths necessary, provided that public safety is not compromised
F.1c.(2)(c)	Minimize the impervious footprint of the project
F.1c.(2)(d)	Minimize soil compaction to landscaped areas
F.1c.(2)(e)	Minimize disturbances to natural drainages
F.1c.(2)(f)	Disconnect impervious surfaces through distributed pervious areas
F.1c.(2)(b)(i)	Maintain or restore natural storage reservoirs and drainage corridors (including depressions, areas of permeable soils, swales, and ephemeral and intermittent streams)

**1. NEW DEVELOPMENT
(SECTION F.1. of ORDER NO. R9-2010-0016), CONTD.**

F.1c.(2)(b)(ii)	Construct pervious areas to effectively receive and infiltrate, retain and/or treat runoff from pervious areas, and to minimize soil compaction in these areas
F.1c.(2)(b)(iii)	Construct low-traffic areas with permeable surfaces, where appropriate soil conditions exist
F.1c.(2)(c)(i)	Structural Infiltration BMPs
F.1c.(2)(c)(i)	Structural Harvest and Use BMPs
F.1c.(2)(c)(ii)	Structural Bioretention BMPs

Table 1-2: Source Control BMP Requirements

Source Control BMP Requirements	
F.1.d.(5)(a)	Prevent illicit discharges into the MS4
F.1.d.(5)(b)	Minimize stormwater pollutants of concern in runoff
F.1.d.(5)(c)	Eliminate irrigation runoff
F.1.d.(5)(d)	Include storm drain system stenciling or signage
F.1.d.(5)(e)	Include properly designed outdoor material storage areas
F.1.d.(5)(f)	Include properly designed outdoor work areas
F.1.d.(5)(g)	Include properly designed trash storage areas
F.1.d.(5)(h)	Include water quality protection requirements applicable to individual priority project categories

- c) The following process was implemented to verify that Site Design, Source Control, and Treatment Control BMPs were required on all applicable Priority Development Projects as required under Section F.1.d.(9) of the 2010 SMR MS4 Permit:**

The process being implemented by District staff when reviewing PDPs for site design, source control and treatment control BMPs implementation is described in detail in the Riverside County SMR WQMP (2014). The basic process is as follows:

- 1) Site Design BMPs - verify that the PDP is minimizing impervious areas, maximizing permeability, minimizing directly connected impervious areas, creating reduced or "zero discharge" areas, and conserving natural areas.
- 2) Source Control BMPs - verify that the PDP is implementing any administrative action to reduce pollutants, design of a structural BMP facility, usage of alternative materials, operation, maintenance and inspection procedures that eliminate or reduce urban runoff pollution.
- 3) Treatment Control BMPs - verification of any engineered system designed and constructed to treat the adverse impacts of Urban Runoff pollution. BMP(s) that remove POC by filtration, media absorption, or other physical, biological or chemical process.

**1. NEW DEVELOPMENT
(SECTION F.1. of ORDER NO. R9-2010-0016), CONTD.**

- 4) Following are the names and locations of all Priority Development Projects that were granted a waiver from implementing LID BMPs pursuant to Section F.1.d.(4) of the 2010 SMR MS4 Permit K.3.c.(4)4:**

The District granted no waivers to any PDP during FY 2013-2014.

- 5) Updated watershed-based BMP maintenance tracking database of approved treatment control BMPs and Treatment Control BMP maintenance within the District's jurisdiction, including updates to the list of high-priority PDPs. K.3.c.(4)5:**

The Riverside County Planning Department implements the BMP maintenance tracking database, as described in the County's JRMP, to verify maintenance and effectiveness of post construction Structural BMPs pursuant to an approved final project-specific WQMP. Therefore, the District will not have an independent maintenance tracking database.

- 6) The following Priority Development Projects have been required to implement hydrologic control measures to protect downstream Beneficial Uses and prevent adverse physical changes to downstream channels in compliance with Section F.1.h of the 2010 SMR MS4 Permit K.3.c.(4)6:**

Not applicable to the District.

Table 1-3: Projects Implementing Hydrologic Control Measures

Name	Location	Planned Management Measures
N/A	N/A	N/A

**1. NEW DEVELOPMENT
(SECTION F.1. of ORDER NO. R9-2010-0016), CONTD.**

7) The following table provides a description of all activities related to the enforcement of the Stormwater Ordinance in New Development and Redevelopment Projects in the District's jurisdiction as required under Section F.1.g. of the 2010 SMR MS4 Permit during the reporting period and a summary of the effectiveness of the enforcement activities K.3.c.(4)7:

The District's enabling act (Act 6642) does not provide land use or police powers to the District to control industrial, commercial or development. Therefore, the District does not have ordinances to regulate private development activities, private construction, grading activities, or private businesses or residences.

To ensure compliance with the requirements of the 2010 MS4 Permit, the District relies on the legal concept of combined legal authority with the Co-Permittees of the 2010 SMR MS4 Permit.

Table 1-4: Stormwater Ordinance Violations

Violation	Project Name & Address	Enforcement Action	Effectiveness
N/A	N/A	N/A	N/A

2. CONSTRUCTION

(SECTION F.2. of ORDER NO. R9-2010-0016)

The District is only directly responsible for administering District public works projects; it does not have the authority over private development activities. For all District construction projects, the District reviews and approves its contractors' Stormwater Pollution Prevention Plans (SWPPPs) prior to construction. During the SWPPP review process, the District requires that its contractors meet the requirements of the General Construction Permit and requires that training certifications are provided. Additionally, as part of the preconstruction meeting for all District projects, the contractor must attend an NPDES contractor's training presentation given by District staff. In addition, the District's specifications require compliance with the Permit and the General Construction Permit, including appropriate minimum erosion and sediment control BMPs on District capital improvement projects.

1) Ordinances K.3.c.(4)1:

a) Describe updated relevant ordinances as required under Section F.2.a. of the 2010 SMR MS4 Permit:

The District has not updated any ordinances during FY 2013-2014.

b) Describe planned ordinance updates within the next Annual Reporting period, if applicable:

The District does not foresee any ordinance updates within the next annual reporting period.

2) Describe any changes to procedures used for identifying priorities for inspecting sites and enforcing control measures that consider the nature of the construction activity, topography, and the characteristics of soils and receiving water quality as required by Section F.2.e of the 2010 SMR MS4 Permit K.3.c.(4)2:

The District is currently implementing the requirements required by Section F.2.e. of the 2010 SMR MS4 Permit.

3) Describe any changes to the designated minimum and enhanced BMPs as described in Section F.2.d.(1) of the 2010 SMR MS4 Permit K.3.c.(4)3:

The minimum set of BMPs at all District construction sites are being implemented and no changes have been made during FY 2013-2014

4) Summarize the finding of the Construction Inspection Program specified in Section F.2.e. of the 2010 MS4 Permit K.3.c.(4)4:

The District does not have the authority to inspect private development construction projects. The County performs construction inspections for compliance with County ordinances (grading, stormwater, etc.).

2. CONSTRUCTION
(SECTION F.2. of ORDER NO. R9-2010-0016)

a) Total number and date of inspection(s) conducted at each Construction Site:

The District hasn't constructed any flood protection projects within the Santa Margarita Region Watershed during FY 2013-2014.

b) Number, date, and types of enforcement actions by Construction Site:

Not applicable to the District.

c) Brief description of each high-level enforcement action at Construction Sites including the effectiveness of the enforcement:

Not applicable to the District.

3. MUNICIPAL (SECTION H.1. of ORDER NO. R9-2010-0016)

Within FY 2013-2014, the District did not construct any additional MS4 facilities within the SMR, however, the District did accept three newly constructed storm drain facilities for maintenance purposes. The newly accepted storm drain facilities were constructed for private developments.

1) A current inventory of all District's facilities and activities that have the potential to generate Pollutants as required under F.3.a.(1) of the 2010 SMR MS4 Permit [K.3.c.(4)1]:

A current inventory of the District's facilities is located in Attachment E (MS4 Facility Map).

The activities that the District performs that have the potential to generate pollutants are the following:

- Pesticide and/or herbicide application
- Unpaved road maintenance
- Painting
- Outdoor loading/unloading of materials
- Outdoor storage of raw materials
- Waste handling and disposal
- Grading
- Construction
- Fence repair
- Mowing

2) Following is the current list of minimum BMPs for the District's facilities included in the inventory addressed in item 1) above K.3.c.(4)2:

The District does not operate municipal facilities other than MS4 in the SMR Watershed; therefore, the BMPs marked "yes" below are limited to addressing the District's implementation of BMPs related and applicable to MS4 maintenance.

Table 3-1: Minimum BMPs

BMP Code	Description	Used
SC-10	Non-Stormwater Discharges	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-11	Spill Prevention, Control and Clean-up	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-20	Vehicle and Equipment Fueling	<input type="checkbox"/> Yes <input type="checkbox"/> No
SC-21	Vehicle and Equipment Cleaning	<input type="checkbox"/> Yes <input type="checkbox"/> No
SC-22	Vehicle and Equipment Repair	<input type="checkbox"/> Yes <input type="checkbox"/> No
SC-30	Outdoor Loading/Unloading of Materials	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-31	Outdoor Liquid Container Storage	<input type="checkbox"/> Yes <input type="checkbox"/> No
SC-32	Outdoor Equipment Maintenance	<input type="checkbox"/> Yes <input type="checkbox"/> No
SC-33	Outdoor Storage of Raw Materials	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

**3. MUNICIPAL
(SECTION H.1. of ORDER NO. R9-2010-0016), CONTD.**

SC-34	Waste Handling and Disposal	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-35	Safe Alternative Products	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-40	Contaminated or Erodible Areas	<input type="checkbox"/> Yes <input type="checkbox"/> No
SC-41	Building and Grounds Maintenance	<input type="checkbox"/> Yes <input type="checkbox"/> No
SC-42	Building Repair and Construction	<input type="checkbox"/> Yes <input type="checkbox"/> No
SC-43	Parking/Storage Area Maintenance	<input type="checkbox"/> Yes <input type="checkbox"/> No
SC-44	Drainage System Maintenance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-60	Housekeeping Practices	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-61	Safe Alternative Products	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-70	Road and Street Maintenance	<input type="checkbox"/> Yes <input type="checkbox"/> No
SC-73	Landscape Maintenance	<input type="checkbox"/> Yes <input type="checkbox"/> No
SC-74	Drainage System Maintenance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-75	Waste Handling and Disposal	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-76	Water and Sewer Utility Maintenance	<input type="checkbox"/> Yes <input type="checkbox"/> No

3) Describe any changes to procedures to assure that flood management projects assess the impacts on the water quality of Receiving Waters as required under Section F.3.a.(4) of the 2010 SMR MS4 Permit [K.3.c.(4)3]:

The District continues to implement procedures to assure that flood protection projects assess the impacts of water quality to receiving waters. At this time no modifications to procedures are necessary. Watershed protection projects are not development projects intended for human use or occupation, typically no additional runoff or pollutants will be expected to be discharged into receiving waters as a result of the construction of flood control projects.

4) Following is a summary and assessment of BMP retrofit projects implemented at flood control structures as specified in Section F.3.a.(4)(c) and F.3.d of the 2010 SMR MS4 Permit [K.3.c.(4)4]:

a) Listing of flood control facilities retrofitted:

During FY 2013-2014, the District has not retrofitted any BMP flood control facility

b) Listing and description of flood control structures evaluated for retrofitting:

The District continues to evaluate flood control structures where retrofitting maybe appropriate.

**3. MUNICIPAL
(SECTION H.1. of ORDER NO. R9-2010-0016), CONTD.**

- c) **Listing of flood control structures still needing to be evaluated and the schedule for evaluation:**

Not applicable to the District.

- 5) **Following is a summary of the municipal structural Treatment Control BMP operations and maintenance activities as specified in F.3.a.(6) of the 2010 SMR MS4 Permit [K.3.c.(4)5]:**

Table 3-2: Municipal Structural Treatment Control BMP O/M Activities

Type of Structural Treatment Control BMP	Number of Inspections	Findings
N/A	N/A	N/A

- 6) **Summary of the MS4 facilities operations and maintenance activities, including amount material removed from, including justification for less than annual inspection as required under Section F.3.a.(6)(b) of the 2010 SMR MS4 Permit [K.3.c.(4)(6)]:**

Table 3-3: MS4 Facility O/M Activities

MS4 Facility Type	Number of Facilities Maintained	Amount of Material Removed (tons)		Facilities Planned for Bi-Annual Inspections and Justification
Debris Basins				
Total	0			
Open Channels				
Total	15			
Facility Total	15	Debris/Trash	Sediment	
		549 tons	4,059 cy	

*MS4 facilities such as, Basins and Channels are maintained/inspected annually.

**3. MUNICIPAL
(SECTION H.1. of ORDER NO. R9-2010-0016), CONTD.**

- 7) The following table contains a Summary of municipal areas/programs inspection activities as specified by Section F.3.a.(8)(a&b) of the 2010 SMR MS4 Permit [K.3.c.(4)6] including:
- a) Number and date of inspections conducted at each facility [K.3.c.(4)7.(a)]
 - b) BMP violations identified during each facility inspection [K.3.c.(4)7.(b)]
 - c) The number, date and types of enforcement actions received at each facility [K.3.c.(4)7.(c)]
 - d) Summary of inspection findings and follow-up activities for each inspected facility [K3.c.(4)7.(d)]

Table 3-4: Municipal Areas/Programs Inspection Activities

Facility	Inspections		BMP Violation	Enforcement			Summary of Inspection	
	#	Date		#	Date	Type	Findings	Follow-up
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total								

Not applicable to the District.

**3. MUNICIPAL
(SECTION H.1. of ORDER NO. R9-2010-0016), CONT.**

8) The following activities implemented to address sewage infiltration into the MS4 as specified in F.3.a.(7) of the 2010 SM4 MS4 Permit [K.3.c.(4)8]:

The District cooperates and coordinates with the local sanitation districts as described in Appendix C of the District's JRMP to swiftly respond to and contain sewage spills that may discharge into our MS4 facilities. As part of the efforts, the District allows local sanitation districts immediate 24-hour access to our MS4 facilities to address and contain sewage spills.

Table 3-5: Sewage Infiltration Controls

Description of Sewage Infiltration Controls	Used
Adequate plan checking for construction and new development	<input type="checkbox"/> Yes <input type="checkbox"/> No
Incident response training for municipal employees that identify sanitary sewer spills	<input type="checkbox"/> Yes <input type="checkbox"/> No
Code enforcement inspections	<input type="checkbox"/> Yes <input type="checkbox"/> No
MS4 maintenance and inspections	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Interagency coordination with sewer agencies	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Education of staff and contractors conducting field operations on the MS4 or its municipal sanitary sewer (if applicable)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

9) Describe BMPs and their implementation for unpaved roads construction and maintenance as specified in F.3.a.(10) of the 2010 SMR MS4 [K.3.c.(4)8]:

Not applicable to the District. The District does not construct road projects nor maintain publically travelled roads. The District's municipal program in the Permit area is limited to the maintenance of MS4 facilities. The District reviewed its program to ensure it is continuing to meet or exceed the minimum requirements of Board Order R9-2010-0016.

Table 3-6: Unpaved Road Construction and Maintenance BMPs

Description of Unpaved Road Construction and Maintenance BMPs	Used
N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No
N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No

**4. INDUSTRIAL / COMMERCIAL
(SECTION F.3.b. of ORDER NO. R9-2010-0016)**

The District's enabling act does not provide land-use powers nor authority and, therefore, individually it has no jurisdiction over industrial/commercial activities. Through a combined legal authority established through an implementation agreement, the District relies on the Co-Permittees for regulation and enforcement related to industrial/commercial activities.

1) Attachment (#) contains the updated inventory of Industrial and Commercial Facilities as required under Section F.3.b.(1) of the 2010 SMR Permit [K.3.c.(4)1&2]. This inventory includes the following information by facility or mobile business:

Not applicable to the District.

a) Number and date of inspections conducted at each facility or mobile business.

Not applicable to the District.

b) BMP violations identified during the inspection.

Not applicable to the District.

c) Number, date, and type of enforcement actions.

Not applicable to the District.

d) Brief description of each high-level enforcement action at Industrial/Commercial sites including the effectiveness of the enforcement and follow-up activities.

Not applicable to the District.

2) All changes to the designated minimum and enhanced BMPs required under Section F.3.b.(2)b&c of the 2010 SMR MS4 Permit [K.3.c.(4)3]:

Not applicable to the District. The District does not have the authority to conduct industrial/commercial facility inspections.

Table 4-1: Minimum BMPs Used

Minimum BMP	CASQA BMP Fact Sheet	Used
Hazardous Waste/Materials storage areas are clean, no signs of leakage, and protected from rainfall and Runoff;	SC-34	<input type="checkbox"/> Yes <input type="checkbox"/> No
Trash bin areas are clean, the bin lids are closed, the bins are not filled with liquid, and no signs of leakage from the trash bins	SC-34	<input type="checkbox"/> Yes <input type="checkbox"/> No
Aboveground tanks have been properly maintained including no signs of leakage, and secondary containment in good condition	SC-11, SC-31, SC-33	<input type="checkbox"/> Yes <input type="checkbox"/> No
Onsite storm drain inlets are protect from inappropriate non-stormwater discharges	SC-44	<input type="checkbox"/> Yes <input type="checkbox"/> No
Oil/water separators are connected to sanitary sewer	NA	<input type="checkbox"/> Yes <input type="checkbox"/> No

**4. INDUSTRIAL / COMMERCIAL
(SECTION F.3.b. of ORDER NO. R9-2010-0016), CONTD.**

Wash water from wash pads (steam cleaning or high pressure cleaning) is directed to the sanitary sewer and does not discharge to the MS4	SC-10	<input type="checkbox"/> Yes <input type="checkbox"/> No
Mop bucket wash water is discharged to sanitary sewer via clarifier	SC-10	<input type="checkbox"/> Yes <input type="checkbox"/> No
Parking lot areas are free of trash, debris, and fluids other than water	SC-43	<input type="checkbox"/> Yes <input type="checkbox"/> No
Facility has coverage under the Industrial General Permit, if appropriate	NA	<input type="checkbox"/> Yes <input type="checkbox"/> No
Minimum BMP	CASQA	<input type="checkbox"/> Yes <input type="checkbox"/> No
Oil and grease Wastes are not discharged onto a parking lot, street or adjacent catch basin	SC-10	<input type="checkbox"/> Yes <input type="checkbox"/> No
Trash bin areas are clean, the bin lids are closed, the bins are not filled with liquid, and the bins have not been washed out into the MS4	SC-43	<input type="checkbox"/> Yes <input type="checkbox"/> No
Floor mats, filters and garbage containers are not washed in adjacent parking lots, alleys, sidewalks, or streets and that no wash water is discharged to MS4S	SC-10	<input type="checkbox"/> Yes <input type="checkbox"/> No
Parking lot areas are cleaned by sweeping, not by hosing down, and that facility operator uses dry methods for spill cleanup	SC-43	<input type="checkbox"/> Yes <input type="checkbox"/> No

3) Provide a list of Industrial Facilities, including each name, address, and SIC code in the District's jurisdiction, that may require coverage under the General Industrial Permit, but has not submitted an NOI [K.3.c.(4)4]:

Not applicable to the District.

Table 4-2: General Industrial Permit Facilities

Facility Name	Facility Address	SIC Code
N/A	N/A	N/A

**5. RESIDENTIAL
(SECTION F.3.c. of ORDER NO. R9-2010-0016)**

The District's enabling act does not provide land-use powers nor authority and, therefore, individually it has no jurisdiction over residential activities. Through combined legal authority established through an implementation agreement, the District relies on the Co-Permittees for regulation and enforcement related to residential activities.

- 1) Provide an updated list of minimum BMPs required for residential areas and activities as required by Section F.3.c.(2)(b) of the 2010 SMR SM4 Permit [K.3.c.(4)1]:**

Table 5-1: Residential Minimum BMPs

Area of Activity	Designated BMPs	Reference Material
<p>A Automobile repair, maintenance, washing and parking</p>	<ul style="list-style-type: none"> • Collect and properly dispose of automotive fluids and other waste • Clean up spills using dry cleanup methods where possible • Store Hazardous Materials away from rain and runoff • Avoid hosing down parking areas. • Prevent all wash water, leaks and/or spills from entering the street or MS4 	<p><u>Brochures (see Attachment D):</u></p> <ul style="list-style-type: none"> • Automotive Maintenance and Car Care • Outdoor Cleaning <p><u>CASQA BMP Fact Sheets:</u></p> <ul style="list-style-type: none"> • SC-20, • SC-21, • SC-22, • SC-43
<p>B Home and garden care activities and product use (pesticides, herbicides and fertilizers)</p>	<ul style="list-style-type: none"> • Prevent irrigation runoff • Store and apply pesticides, fertilizers and other chemicals in accordance with their labeling • Avoid applying pesticides, herbicides and fertilizers before forecasted rain 	<p><u>Brochures (see Attachment D):</u></p> <ul style="list-style-type: none"> • Landscape and Garden • 10 Ways to Save Water Outdoors <p><u>CASQA BMP Fact Sheets:</u></p> <ul style="list-style-type: none"> • SC-73, • SD-10, SD-12
<p>C Disposal of trash, pet waste, green waste, and Household Hazardous Waste (e.g., paints, cleaning products)</p>	<ul style="list-style-type: none"> • Properly dispose of pet waste • Collect green waste and never blow such waste into the street, gutter or MS4 • Never dispose of waste in a street, gutter or MS4 • Take Household Hazardous Waste to a designated collection center 	<p><u>Brochures (see Attachment D):</u></p> <ul style="list-style-type: none"> • After the Storm • What's the Scoop • Tips for Horse Care • Landscape and Garden • Pools, Spas and Fountains <p><u>HHW and ABOP Collection Events</u> http://www.rivcown.org/opencms/hw/schedule.html</p> <p><u>Videos:</u></p> <ul style="list-style-type: none"> • Animal Care • Household Hazardous Waste • Managing your Lawn and Garden • Outdoor Activities <p>http://rcflood.org/stormwater/ (Videos found in the Media Library)</p>

**5. RESIDENTIAL
(SECTION F.3.c of ORDER NO. R9-2010-0016) CONTD.**

- 2) **Provide a summary of the number and type of applicable runoff and stormwater enforcement actions taken within residential areas and activities as required under Section F.3.c.(3) of the 2010 SMR MS4 Permit [K.3.c.(4)2]:**

Not applicable to the District.

Table 5-2: Residential Enforcement Actions

Number by Area or Activity			Enforcement and Compliance Responses
A	B	C	
			Education and information
			Verbal Warning
			Written Warning
			Notice of Non-Compliance
			Administrative Compliance Order
			Misdemeanor
			Infraction
			Citation
			Referral to SDRWQCB
			Total

- 3) **Describe the District's efforts to manage runoff and Stormwater Pollution in common interest areas and mobile home parks as required under Section F.3.c.(4) of the 2010 SMR MS4 Permit [K.3.c.(4)2]:**

Not applicable to the District.

**6. RETROFITTING EXISTING DEVELOPMENT
(SECTION F.3.d. of ORDER NO. R9-2010-0016)**

The District's enabling act does not provide land-use powers nor authority and, therefore, individually it has no jurisdiction over residential activities including existing developments.

- 1) Provide an updated inventory and prioritization of existing developments identified as candidates for retrofitting as required under Section F.3.d.(2) of the 2010 SMR MS4 Permit [K.3.d.(4)1]:**

Not applicable to the District.

- 2) Describe the District's efforts to retrofit existing developments during the reporting period as required under Section F.3.d.(2) of the 2010 SMR MS4 Permit [K.3.d.(4)2]:**

Not applicable to the District.

- 3) Describe the District's efforts taken to encourage private landowners to retrofit existing development as required under Section F.3.d.(4) of the 2010 SMR MS4 Permit [K.3.d.(4)3]:**

Not applicable to the District.

- 4) Provide a list of all retrofit projects that have been implemented including site location, a description of the retrofit project pollutants expected to be treated, and the tributary acreage of runoff that will be treated as required under Section F.3.d.(5) of the 2010 SMR MS4 Permit [K.3.d.(4)4]:**

Not applicable to the District.

- 5) Describe any proposed retrofit or regional mitigation projects and timelines for future implementation [K.3.d.(4)5]:**

Not applicable to the District.

- 6) Describe any proposed changes to the District's overall retrofitting program [K.3.d.(4)6]:**

Not applicable to the District.

**7. ILLICIT DISCHARGE DETECTION AND ELIMINATION
(SECTION F.4 of ORDER NO. R9-2010-0016)**

- 1) Describe any changes to the legal authority to implement Illicit Discharge Detection and Elimination (IDDE) activities as required under Section F.4.a.(1) of the 2010 SMR MS4 Permit [K.3.d.(4)1]:

Not applicable to the District. The District's enabling act does not provide land-use powers nor legal authority and, therefore, individually it has no jurisdiction over residential activities.

- 2) Describe any changes to the established Illicit Discharge Detection Elimination (IDDE) investigation procedures as specified under Section F.4.e. of the 2010 SMR MS4 permit [K.3.d.(4)2]:

The District supplements the IDDE program by assuring that appropriate BMPs are being implemented to prevent illegal discharges, and that no illicit connections occur during the installation phase of new MS4 facilities. Illegal connections are prohibited by the District and are initially verified during the plan check process. The District continues to follow the procedures described in the District's JRMP. No changes to the investigation procedures are needed at this time.

- 3) Describe any changes to public reporting mechanisms, including phone numbers and web pages as required under Section F.4.c of the 2010 SMR MS4 Permit [K.3.d.(4)3]:

The current public reporting mechanisms, such as phone numbers (1-800-506-2555) and websites (<http://www.floodcontrol.co.riverside.ca.us/stormwater/>) are still being used. There will be no changes to the public reporting mechanism, but updates will be performed as they are needed.

- 4) Summarize Illicit Discharges (including spills and water quality data events) and how each significant case was resolved [K.3.d.(4)4]:

Table 7-1: Illicit Discharge Incident

Illicit Discharge Incident	How Resolved
1. 902MS4021 – NAL Exceedance on 06/02/14; District notified on 6/26/14	Refer to Attachment B – 902MS4021 NAL Exceedance Investigation Report
2. 902MS4309 – NAL Exceedance on 06/03/14; District notified on 6/27/14	Refer to Attachment B – 902MS4309 NAL Exceedance Investigation Report

**7. ILLICIT DISCHARGE DETECTION AND ELIMINATION
(SECTION F.4 of ORDER NO. R9-2010-0016)**

5) Describe any instances when field screening and analytical data exceeded Action Levels, including those instances for which no investigation was conducted [K.3.d.(4)5]:

Refer to Attachment B.

6) Describe the follow-up and enforcement actions taken in response to investigations of Illicit Discharges and a description of the outcome of the investigation/enforcement actions as required under Section F.4.e,f, & g. [K.3.d.(4)6]:

Table 7-2: Illicit Discharge Follow-up Action

Illicit Discharge Incident	Follow-up and Enforcement Action	Outcome
902MS4021 – NAL Exceedance on 06/02/14; District notified on 6/26/14	Refer to Attachment B – 902MS4021 NAL Exceedance Investigation Report	Refer to Attachment B – 902MS4021 NAL Exceedance Investigation Report
902MS4309 – NAL Exceedance on 06/03/14; District notified on 06/27/14	Refer to Attachment B – 902MS4309 NAL Exceedance Investigation Report	Refer to Attachment B – 902MS4309 NAL Exceedance Investigation Report
902MS4289 – SAL Exceedance Investigation Report	Refer to Attachment B – 902MS4289 – SAL Exceedance Investigation Report	Refer to Attachment B – 902MS4289 – SAL Exceedance Investigation Report

8. WORKPLANS

1) Provide a summary of workplans including priorities, strategy, and implementation schedule and effectiveness evaluations.

The Upper Santa Margarita Watershed Water Quality Workplan (Watershed Workplan) has been developed in compliance with Directive G of the San Diego Regional Water Quality Control Board's Order No. R9-2010-0016. The purpose of the Watershed Workplan is to:

- 1) Characterize the receiving water quality in the Upper Santa Margarita River Watershed's Receiving Waters.
- 2) Identify and prioritize water quality problem(s) in terms of constituents by location in the Upper Santa Margarita River Watershed's Receiving Waters.
- 3) Identify the likely sources of the highest priority water quality problem(s) within the Upper Santa Margarita River Watershed.
- 4) Develop a watershed BMP implementation strategy to attain receiving water quality objectives for the highest priority water quality problem(s).
- 5) Develop a strategy to monitor improvements in receiving water quality directly resulting from implementation of the BMP implementation strategy described in this Watershed Workplan.
- 6) Establish a schedule for development and implementation of the BMP and monitoring strategies outlined in this Watershed Workplan.

The Watershed Workplan is reviewed annually and updated to identify needed changes to prioritize water quality problem(s) listed in the Workplan.

Throughout FY 2013-2014, the SMR Co-Permittees have been assessing the Watershed Workplan programs based upon the criteria set forth by CASQA. Section 12 of this JRMP Annual Report discusses the effectiveness of the implementation of the Watershed Workplan and the CASQA outcome levels achieved. The District and the Co-Permittees continue to implement the schedule as seen in Figure 1 of the Watershed Workplan that outlines implementation of various stormwater programs.

9. NON-STORMWATER DISCHARGES

1) Identify any non-stormwater discharge category listed in Requirement B.2 of Order No. R9-2010-0016 that was identified as a source of Pollutants to Waters of the U.S. during the reporting period. For each identified category, the Copermitee must report whether it elected to prohibit the discharge or to require BMPs to reduce Pollutants in the discharge to the MEP. If the discharge is not prohibited, the BMPs that will be implemented, or required to be implemented, are described below:

Table 9-1: Non-Stormwater Discharge Categories

Non-Stormwater Discharge Categories (per Requirement B.2)	Source of Pollutant	Prohibited	Required BMPs
Diverted stream flows	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Rising ground waters	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Uncontaminated ground water infiltration [as defined at 40 CFR 35.2005(20)] to MS4s	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Uncontaminated pumped ground water	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Foundation drains	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Springs	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Water from crawl space pumps	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Footing drains	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Air conditioning condensation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Flows from riparian habitats and wetlands	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Water line flushing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Discharges from potable water sources not subject to NPDES Permit No. CAG679001, other than water main breaks	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Individual residential car washing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Dechlorinated swimming pool discharges	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

2) Provide a description of any updates to ordinances, orders, or similar means to prohibit non-storm water discharge categories identified under Section B.2 of the 2010 SMR MS4 Permit.

Not applicable to the District.

3) Identify any control measures to be required and implemented for non-stormwater discharge categories identified as needing controls by the San Diego Water Board.

No control measures are required at this time. The San Diego Water Board did not identify any non-stormwater discharge categories needing control measures during FY 2013-2014.

9. NON-STORMWATER DISCHARGES CONTD.

4) Provide a description of a program to address Pollutants from non-emergency firefighting flows identified by the District to be significant sources of Pollutants:

The District's enabling act does not provide land-use powers nor legal authority and, therefore, individually it has no jurisdiction regulating non-emergency firefighting flows. A County program is being implemented to address pollutants from non-emergency firefighting flows and is described in the County's JRMP.

10. RECEIVING WATER LIMITATIONS

This section includes the report required pursuant to Requirement A.3.a.(1) of Order No. R9-2010-0016, if applicable.

Not applicable to the District.

Requirement A.3.a.(1) states:

"Upon a determination by either a Copermittee or the San Diego Regional Board that storm water MS4 discharges are causing or contributing to an exceedance of an applicable water quality standard, the Copermittee must notify the San Diego Regional Board within 30 days and thereafter submit a report to the San Diego Regional Board that describes BMPs that are currently being implemented and additional BMPs that will be implemented to prevent or reduce any Pollutants that are causing or contributing to the exceedance of Water Quality Standards. The report may be incorporated in the Annual Report unless the San Diego Regional Board directs an earlier submittal. The report must include an implementation schedule. The San Diego Regional Board may require modifications to the report;"

11. FISCAL ANALYSIS

- 1) The following table provides estimated expenditures for the current reporting period, the preceding reporting period, and the next reporting period. This table identifies the expenditures (such as capital, operation and maintenance, education, and administrative expenditures) necessary to accomplish the activities described in the District's JRMP as required under Section H.2 of the 2010 SMR MS4 Permit.

Expenditures identified below reflect costs incurred by the District for implementing its own NPDES program as described in the District's JRMP. The District does not track its direct implementation costs separately nor does it track costs separately for many permit provisions.

Table 11-1: Program Element Expenditures

Program Element	Fiscal Year 2012-2013		Fiscal Year 2013-2014		Fiscal Year 2014-2015	
	Capital Expenditures	O&M/Admin Expenditures	Capital Expenditures	O&M/Admin Expenditures	Capital Expenditures	O&M/Admin Expenditures
Program Management ^(a)	N/A	\$930,274	N/A	\$843,404	N/A	\$1,518,420
Illicit Connections & Illegal Discharges Program ^(b)	N/A	\$66,500	N/A	N/A	N/A	N/A
Municipal Facilities and Activities ^(b)	N/A	Uncalculated	N/A	Uncalculated	N/A	Uncalculated
Public Education & Outreach ^(c)	N/A	\$32,025	N/A	\$34,250	N/A	\$83,250
Monitoring Program ^(c)	N/A	\$381,243	N/A	\$464,900	N/A	\$677,000
Total	\$0	\$1,387,590	\$0	\$1,342,554	\$0	\$2,278,670

- (a) Program Management includes all costs not directly listed in the Program Elements. Cost includes staffing, administration and overhead, consultant services and regional programs associated with program development.
- (b) The District does not have any individual costs associated with this program element. Costs shown are for the indicated regionally implemented program. Estimates for FY 2013-2014 are not included due to the fact that costs are included in Program Management, Public Education and Monitoring.
- (c) Costs for this element are not tracked separately from the District-Implemented Regional Programs and as such, shown costs are inclusive of costs incurred for implementing the regional element.

11. FISCAL ANALYSIS CONTD.

2) A description of the source(s) of funds that are proposed to meet the necessary expenditures for the subsequent year.

Table 11-2: Source of Funds

Source of Funds ^(a)	FY 2014-2015 Revenues	Restrictions on Use (if applicable)
Santa Margarita Watershed Benefit Assessment Fund (Projected Revenue)	\$490,000	District NPDES compliance cost, excess funds used to fund regional NPDES activities
Santa Margarita Watershed Copermittee Implementation Agreement (Estimated contributions)	\$1,788,670	Fund Regional NPDES Compliance Programs
Total	\$2,278,670	

(a) Revenue sources do not change from year to year

3) Provide a narrative description of circumstances resulting in a 25 percent or greater annual change for any budget line item.

The budgeted line items for the next fiscal year have increased in order to meet and comply with the requirements of the MS4 Permit and the activities within JRMP. The coming fiscal year will involve the SMR Co-Permittees to begin preparing for the New MS4 Permit and potential compliance requirements. If the full projected budget is not used, the subsequent fiscal year budget will be appropriately adjusted.

12. ASSESSMENT AND RESPONSE REPORTING

- 1) The following is the District's summary of its effectiveness assessments as required under Section J.3 of the 2010 SMR MS4 Permit.
- a) The results of each of the effectiveness assessments performed pursuant to J.1.b, including the demonstrated CASQA effectiveness level(s):

The District's summary of the effectiveness of implementing the JRMP is outlined in the tables below. The information in the tables below summarizes the metrics collected and their associated outcome levels. The data collected for each of the measurable metrics are identified below in Tables 12.1-9 for each program and are required per the District's JRMP (see JRMP Appendix B.4). The overall assessment of the JRMP is positive due to each program reaching their highest potential outcome levels during FY 2013-2014. Each measurable metric in the tables below are assessed annually and reported in the District's JRMP Annual Report.

12.1.a.1 Illicit Discharge Detection and Elimination Effectiveness Assessment

Table 12-1: Illicit Discharge Detection and Elimination Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Number of IC/ID reports received (F.4.e.(3))	48	Level 1
Percentage/Number of Dry Weather Source ID Efforts that were completed and Findings	2	Level 5
Estimated volume of anthropogenic trash removed from District's MS4 facilities (tons) (F.3.a.(6)(b)(vi))	549 tons	Level 4

12.1.a.2 Municipal Areas and Activities Effectiveness Assessment

Table 12-2: Municipal Areas and Activities Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Percent/Number of District facilities with appropriate BMPs identified (F.3.a.(2)(b))	N/A	Level 2
Number of District facility and MS4 operators and maintenance staff that attended Municipal training (F.6.b.(1))	60	Level 1
Estimated tons of Waste removed by District street sweeping, (F.3.a.(5))	N/A	Level 4
Estimated tons of Waste removed from District Open Channels (F.3.a.(6)(b))	549 tons	Level 4
Estimated tons of Waste removed from District storm drain inlets (F.3.a.(6)(b))	N/A	Level 4

12. ASSESSMENT AND RESPONSE REPORTING CONTD.

12.1.a.3 Development Planning Effectiveness Assessment

Table 12-3: Development Planning Program Effectiveness

Measureable Metric Collected	Data	CASQA Outcome Level
Number of acres of Redevelopment projects that incorporated LID-based BMPs that are built and completed (F.1.f.(1))	N/A	Level 5
Number of applicable planning staff that attended WQMP training (F.6.b.(1))	19	Level 1

12.1.a.4 Private Development Construction Activity Effectiveness Assessment

Table 12-4: Private Development Construction Activity Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Construction Site inventory updated (F.2.b.)	N/A	Level 1
Number of construction inspection staff that attended Construction training (F.6.b.(b))	13	Level 1

12.1.a.5 Industrial and Commercial Effectiveness Assessment

Table 12-5: Industrial and Commercial Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Industrial and Commercial Facilities inventory updated (F.3.b.(1)(a))*	N/A	Level 1
Number of applicable Industrial and Commercial Facility inspection staff that attended Industrial-Commercial training (F.6.b.(1)(c))*	1	Level 1

*The District does not have land use or police powers. Therefore, the District does not have the authority to regulate industrial or commercial facilities.

12. ASSESSMENT AND RESPONSE REPORTING CONTD.

12.1.a.6 Residential Effectiveness Assessment

Table 12-6: Residential Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Gallons of used oil collected at collection events (F.3.c.(2)(c))	5,051 gal*	Level 4
Total pounds collected at HHW/ABOP events (F.3.c.(2)(c))	182,687 lbs*	Level 4

*SMR data, not Co-Permittee specific

12.1.a.7 Retrofit Program Effectiveness Assessment

Table 12-7: Retrofit Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Number of times the Retrofit Program has identified a potential solution to a specific identified problem	N/A	Level 1

12.1.a.8 Public Education Effectiveness Assessment

Table 12-8: Public Education Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Number of outreach events to schools	6*	Level 1
Number of Public Events where outreach was conducted	16*	Level 1
Pounds of trash removed through watershed cleanup events	182,687*	Level 4
Number of home improvement stores provided outreach / customer education information for pesticide use	5 / 5*	Level 1
Number of E-Newsletters signups	60	Level 2
% of E-Newsletters clicked	26%**	Level 2

*SMR data, not Co-Permittee specific; **SMR Quarterly Average

12. ASSESSMENT AND RESPONSE REPORTING CONTD.

12.1.a.9 Watershed Workplan Effectiveness Assessment

Table 12-9: Watershed Workplan Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Annual Public Review Meeting conducted (4/23/14)	1	Level 1
Updated Characterization of Receiving Water Quality	(See Below)	Level 1
Updated prioritization of water quality problems	(Refer to SMR Annual Monitoring Report, Table 25)	Level 1
Descriptions of likely sources updated	(Refer to SMR Annual Monitoring Report, Section 5.4)	Level 1
Updated BMP Implementation Strategy	(See Below)	Level 1
BMPs implemented according to schedule	(See Below)	Level 1
Number of Collaborative Meetings Attended	5	Level 1

Updated Characterization of Receiving Water Quality:

The overall water quality conditions of receiving waters within SMR appears to be improving, based on the number of 303(d) listed constituents in the Upper SMR Watershed with statistically significant downward trends. The monitoring data also shows samples exhibiting toxicity are no longer persistent at the mass loading stations, largely attributed to decreasing detections of pesticides. Although this is only the second year of implementing new JRMP and monitoring requirements for the 2010 MS4 Permit Order (R9-2010-0016), the results are showing an improvement in water quality. Future monitoring data will further demonstrate that the 2010 MS4 Permit Order programs and requirements are contributing to better water quality in receiving waters within the SMR Watershed.

The SMR Co-Permittees expect that future monitoring and the associated data will foster a better understanding of pollutants and their impacts to receiving waters. Results from monitoring activities/studies will continue to guide the Co-Permittees in assessing and managing their programs to protect receiving waters in the SMR to the maximum extent practicable.

Updated prioritization of water quality problems / Description of likely sources:

Water quality problems are identified and prioritized by (WQO and California Toxic Rule (CTR) exceedances. The SMR Monitoring Annual Report for FY 2013-2014 discusses prioritization of water quality problems and likely sources. See Table 25 and Section 5.4

12. ASSESSMENT AND RESPONSE REPORTING CONTD.

in the SMR Monitoring Annual Report.

Updated BMP Implementation Strategy:

The District did not implement new BMPs nor modified the current BMP Implementation Strategy as outlined in the Upper Santa Margarita River Watershed Water Quality Workplan during FY 2013-2014.

BMPs Implemented According to Schedule:

The District did not require implementing new BMPs within FY 2013-2014. Therefore, no schedule was developed for BMP implementation.

b) Response to effectiveness assessments:

The District's overall program assessment has concluded that each outcome level desired was achieved during FY 2013-2014. No program modifications are planned for FY 2014-2015, however, the program is continuously being assessed to improve water quality.

c) A description of any steps to be implemented to improve the District's ability to assess program effectiveness.

No additional steps to improve the District's ability to assess program effectiveness are needed at this time. All of the desired outcome levels have been achieved for each measurable metric; therefore, program improvements are not required.

13. CONCLUSION

The reporting period of FY 2013-2014 is the second year of implementing the full requirements of the 2010 MS4 Permit. The new requirements of the Permit involved implementing the updated District JRMP and the requirements in the Monitoring and Reporting Program. In order to see the full effects of the Permit requirements, that being positive or negative, will require the need of multiple reporting period data that would show trends in the data from our implemented programs. The data that will heavily impact results of our programs will come from our monitoring data. The limited data that has been gathered from our Monitoring & Reporting Program reflecting the 2010 MS4 Permit requirements shows a promising trend of improvements in water quality when compared to previous years' monitoring data. No definitive conclusion can be made at this time if the District's JRMP is impacting or contributing to the upward trend of water quality, but only future monitoring data will help with this determination.

The associated programs/activities that the District implements per its JRMP that falls within the legal authority of the District are: Public Education, Illicit Discharge Detection and Elimination, District Areas and Activities, Private Development, Construction Activity, and Monitoring Program. All programs will in one way directly or indirectly impact water quality within the SMR, but their impacts will be seen in future monitoring data. The District will continue to implement the JRMP within its jurisdiction and legal authority power to maintain and improve water quality to the maximum extent practicable.

14. RECOMMENDATIONS

After reviewing all measureable metrics for the District's program assessment and all outcome levels that have been achieved the District will not propose any revisions to the District's JRMP.

P8/164989

ATTACHMENT A

ANNUAL REPORT CHECKLIST

ATTACHMENT A: ANNUAL REPORT CHECKLIST

Annual Report Summary Checklist	
Order Requirements	
Were All Requirements of Order No. R9-2010-0016 met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Construction	
Number of Active Sites	0
Number of Inactive Sites	0
Number of Sites Inspected	0
Number of Violations	0
Number of Construction Enforcement Actions Taken	0
New Development	
Number of Development Plan Reviews	
Number of Grading Permits Issued	0
Number of Projects Exempted from Interim/Final Hydromodification Requirements	0
Post Construction Development	
Number of Priority Development Projects	0
Number of SUSMP Required Post-Construction BMP Inspections	0
Number of SUSMP Required Post-Construction BMP Violations	0
Number of SUSMP Required Post-Construction BMP Enforcement Actions Taken	0
Illicit Discharges and Connections*	
Number of IC/ID Inspections	2
Number of IC/ID Detections by Staff	0
Number of IC/ID Detections from the Public	2
Number of IC/ID Eliminations	2
Number of IC/ID Violations	0
Number of IC/ID Enforcement Actions Taken	0
MS4 Maintenance	
Number of Inspections Conducted	31
Amount of Waste Removed	549 tons / 4,059 cy
Total Miles of MS4 Inspected	13 miles

*The District had two (2) NAL exceedances that required follow-ups.

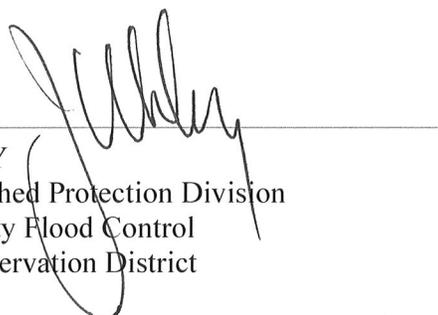
ATTACHMENT A: ANNUAL REPORT CHECKLIST CONTD.

Annual Report Summary Checklist (cont.)	
<u>Municipal/Commercial/Industrial</u>	
Number of Facilities	0
Number of Inspections Conducted	0
Number of Facilities Inspected	0
Number of Violations	0
Number of Enforcement Actions Taken	0

I certify under penalty of law that this Annual Report Summary Checklist was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signed: _____

JASON UHLEY
 Chief of Watershed Protection Division
 Riverside County Flood Control
 and Water Conservation District



ATTACHMENT B

NAL EXCEEDANCE INVESTIGATION REPORT

ATTACHMENT B.1

**NAL Exceedance Investigation Report
2014-06-30, 902MS4021**

Follow-up Dry Weather Numeric Action Level (NAL) Investigation Reporting Form

GENERAL INFORMATION

Agency: Riverside County Flood Control and Water Conservation District

Date (MM/DD/YYYY): 06/30/2014 Outfall ID: 902MS4021

Time (24-HR): 10:50 Latitude (DMS): 33 ° 32 ' 48.72 "

Weather: Clear, Sunny. Temp from 82F to 84F Longitude (DMS): -117 ° 12 ' 48.99 "

Date of Last Rain (MM/DD/YYYY): _____

SUMMARY OF LABORATORY ANALYSIS DATA

Complete the following based on the information received in the NAL Exceedance Notification.

NAL General Constituents (SMR MS4 Permit, Table 3.a)

Parameter	Result	Units	Exceeds NAL?		Parameter	Result	Units	Exceeds NAL?	
			Y	N				Y	N
Fecal Coliform	_____	MPN/100mL	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Total Nitrogen	4.40	mg/L	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Enterococci	1,600	MPN/100ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Total Phosphorous	0.20	mg/L	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Turbidity	_____	NTU	<input type="checkbox"/>	<input checked="" type="checkbox"/>	MBAS	_____	mg/L	<input type="checkbox"/>	<input checked="" type="checkbox"/>
pH	_____	-	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Iron	_____	µg/L	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Dissolved Oxygen	0.7	mg/L	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Manganese	_____	µg/L	<input type="checkbox"/>	<input checked="" type="checkbox"/>

NAL Priority Constituents (SMR MS4 Permit, Table 3.b)

Parameter	Result	Units	Exceeds NAL?		Parameter	Result	Units	Exceeds NAL?	
			Y	N				Y	N
Cadmium	_____	µg/L	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Lead	_____	µg/L	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Copper	_____	µg/L	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Nickel	_____	µg/L	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chromium III	_____	µg/L	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Silver	_____	µg/L	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chromium VI	_____	µg/L	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Zinc	_____	µg/L	<input type="checkbox"/>	<input checked="" type="checkbox"/>

NAL INVESTIGATION INSTRUCTIONS

Begin investigation at the outfall where the NAL exceedance(s) were identified. Note observations such as strange odors, colors, or staining. Attempt to trace the discharge or signs of discharge which may have caused the NAL exceedance to its origin and identify its source. Start at **SOURCE DETERMINATION – STEP ①**. Note relevant observations in **NAL SOURCE DETERMINATION SUMMARY**. Take sufficient photographs to document the investigation and support any conclusions.

Follow-up Dry Weather Numeric Action Level (NAL) Investigation Reporting Form

SOURCE DETERMINATION – STEP ①

Is the source of the exceedance **not due to human influence** in origin and in conveyance to the MS4 and consist of either:

NOTES: No signs of natural flows observed.

- Rising Groundwater;
 - Springs; or
 - Flows from riparian habitats and wetlands.
- ✓ If any of the above boxes are checked, then the source of the exceedance likely resulted from a **NATURAL SOURCE**. Skip to the **SOURCE DETERMINATION – STEP ⑥** below and select **NATURAL SOURCE** ; or
- ✓ If none of the boxes above are checked continue to **SOURCE DETERMINATION – STEP ②**.

SOURCE DETERMINATION – STEP ②

Does the source of the exceedance result from (conditionally exempt discharges):

- Diverted stream flows;
 - Uncontaminated ground water infiltration to MS4s. As defined in 40 CFR 35.3005(20), this consists of water other than wastewater that enters a sewer system (including sewer service connections and foundation drains) from the ground through such means as defective pipes, pipe joints, connections, or manholes. Infiltration does not include, and is distinguished from inflow;
 - Uncontaminated pumped ground water;
 - Foundation drains. Discharge requires enrollment under *Groundwater Extraction And Similar Discharges To Surface Waters Within The San Diego Region Except For San Diego Bay Permit*;
 - Water from crawl space pumps;
 - Footing drains. Discharge requires enrollment under *Groundwater Extraction And Similar Discharges To Surface Waters Within The San Diego Region Except For San Diego Bay Permit*;
 - Air conditioning condensation;
 - Water line flushing;
 - Discharges from potable water sources not subject to NPDES Permit No. CAG679001 (*Discharges Of Hydrostatic Test Water And Potable Water To Surface Waters And Storm Drains Or Other Conveyance Systems Within The San Diego Region*), other than water main breaks;
 - Individual residential car washing; or
 - Dechlorinated swimming pool discharges.
- ✓ If the above boxes are checked, then skip to **SOURCE DETERMINATION – STEP ⑥** below and select **EXEMPTED CATEGORY OF NON-STORMWATER DISCHARGE** .
- ✓ If none of the boxes above are checked continue to **SOURCE DETERMINATION – STEP ③**.

None of the above were observed. Did not observe residential car washing or swimming pool discharges within the outfall drainage area.

Follow-up Dry Weather Numeric Action Level (NAL) Investigation Reporting Form

SOURCE DETERMINATION – STEP ③

Does the source of the exceedance consist of a NPDES permitted non-stormwater discharge? Examples of NPDES permits are listed below:

No construction activities observed within the outfall drainage area.
Did not observe any discharge into the outfall storm drain system.

- Construction General Permit
- Industrial General Permit
- De-Minimus Permit (*Groundwater Extraction And Similar Discharges To Surface Waters Within The San Diego Region Except For San Diego Bay*)
- Groundwater Permit
- Individual NPDES/WDR Permit
- Reclaimed/Recycled Water; or
- Other NPDES Permit: _____

- ✓ If any of the above boxes are checked then there may be a potential violation of a **SEPARATE NPDES PERMITTED NON-STORMWATER DISCHARGE**. Skip to **SOURCE DETERMINATION – STEP ⑥** and select **SEPARATE NPDES PERMITTED DISCHARGE**;
- ✓ If none of the boxes are checked continue to **SOURCE DETERMINATION – STEP ④**.

SOURCE DETERMINATION – STEP ④

Identify whether the source of the exceedance was caused by an illicit discharge or illegal connection:

- Unauthorized storm drain connection; or
- Evidence of an illegal discharge; or
- Non-NPDES permitted non-stormwater discharge: _____

- ✓ If any of the above boxes are checked, then there may be an **ILLICIT DISCHARGE OR CONNECTION**. Skip to **SOURCE DETERMINATION – STEP ⑥** and select **ILLICIT DISCHARGE OR CONNECTION**.
- ✓ If none of the boxes are checked continue to **SOURCE DETERMINATION – STEP ⑤**.
Potential illicit discharges or illegal connections were not observed.

SOURCE DETERMINATION – STEP ⑤

- ✓ The source of the exceedance is unknown. This may occur if evidence of what caused the NAL exceedance is not present. An example includes the case when no flow is observed and there are no identifying signs such as staining or odor is present. Select **INDETERMINATE SOURCE** in the **SOURCE DETERMINATION – STEP ⑥**. Provide additional details in the **NAL SOURCE DETERMINATION SUMMARY** as to why the source could not be identified.

Follow-up Dry Weather Numeric Action Level (NAL) Investigation Reporting Form

SOURCE DETERMINATION – STEP ⑥

Based on Steps ① through ⑤ of the source determination, select the likely source of the NAL exceedance:

<input type="checkbox"/> <i>NATURAL</i>	<input type="checkbox"/> <i>ILLICIT DISCHARGE OR CONNECTION</i>	<input type="checkbox"/> <i>EXEMPTED NON-STORM WATER CATEGORY</i>	<input type="checkbox"/> <i>SEPARATE NPDES PERMITTED DISCHARGE</i>	<input checked="" type="checkbox"/> <i>INDETERMINATE SOURCE</i>
Follow steps in Option A of the flow chart ¹ .	Follow Steps in Option B of the flow chart ¹ .	Follow Steps in Option C of the flow chart ¹ .	Follow Steps in Option D of the flow chart ¹ .	Follow Steps in Option E of the flow chart ¹ .

¹Refer to the Santa Margarita Region NAL Response Actions Flow Chart for further actions. When conducting focused sampling to attempt to identify an indeterminate source use the **FOCUSED SAMPLING FIELD DATA SHEET** below.

NAL SOURCE DETERMINATION SUMMARY

Based on the investigation and the weight of the evidence, it has been determined that the source of the NAL exceedance is likely due to:

Photos attached?

No sources of flow or evidence of an ICID into the Murrieta MDP Line E storm drain system was observed upstream. No flow was observed at the Line E Channel New Clay St outlet into Murreita Creek. While ponded water was observed inside of the Line E storm drain during sampling, due to the heavy sediment and vegetation inside the Line E channel, no flow connection was made to Murrieta Creek. In addition, there was insufficient flow upstream of the outfall to conduct focused sampling.

If applicable, describe enforcement actions taken:

N/A.

Inspector Printed Name: Kahlil Amin Title: Associate Civil Engineer

Inspector Signature: _____ Date: 06/30/2014

**Santa Margarita Region
NAL Response Actions Flowchart**

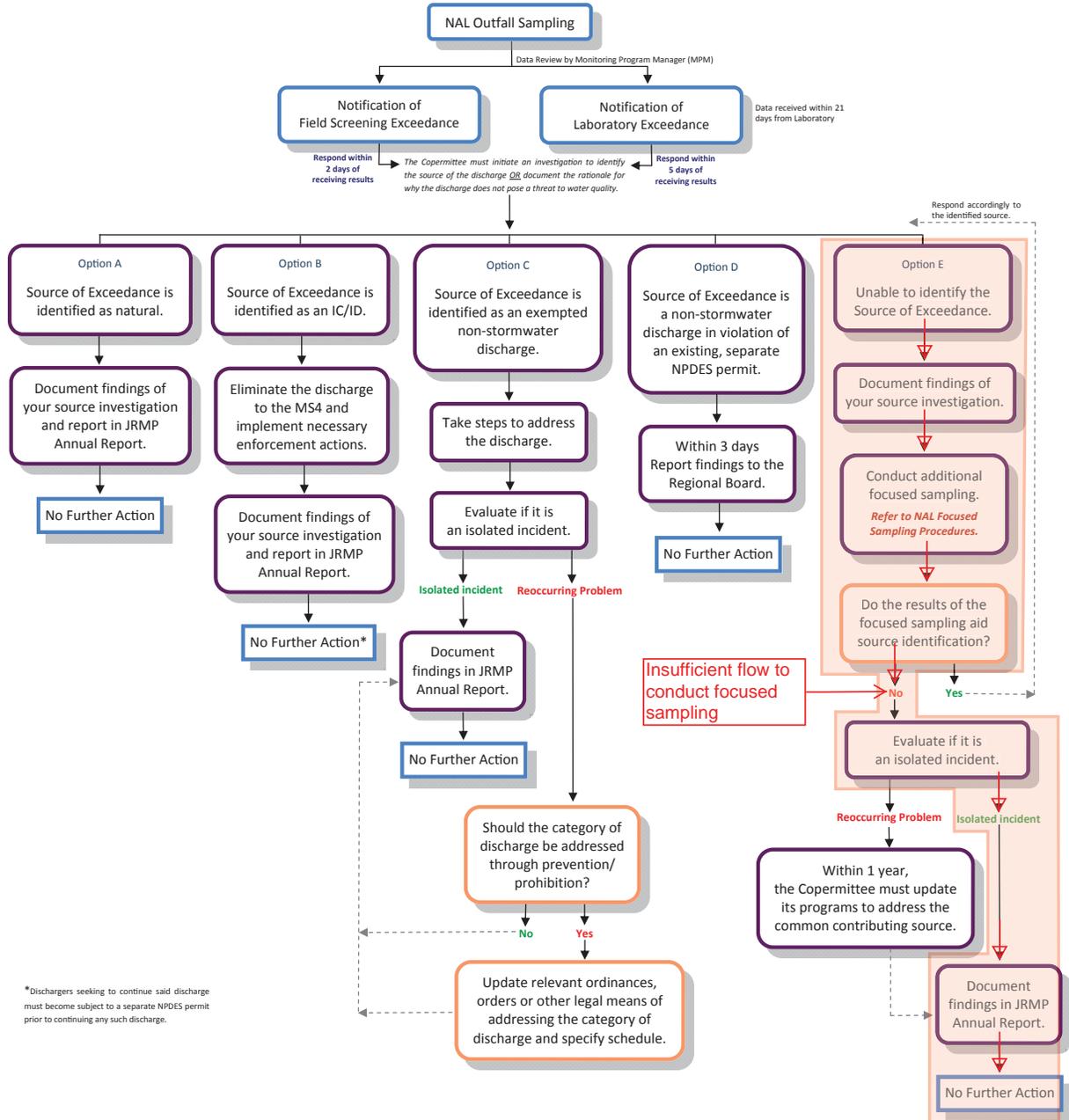




Figure 1. 06/30/14 10:55 - Line E Channel north access road. Channel does not appear to be maintained. Heavy vegetation growth. (Lat: 33.54876, Lon:-117.21132)



Figure 2. 06/30/14 11:04 - Line E Channel confluence with Murrieta Creek. (Lat: 33.54680, Lon:-117.21370)



Figure 3. 06/30/14 11:05 - First box from the left (downstream direction) looking downstream. Dry. No signs of recent flow. (Lat: 33.54686, Lon:-117.21361)



Figure 4. 06/30/14 11:06 - First box from the left (downstream direction) looking upstream. Dry. No signs of recent flow. (Lat: 33.54688, Lon:-117.21361)



Figure 5. 06/30/14 11:06 - Second box from the left (downstream direction) looking downstream. Dry no signs of recent flow.
(Lat: 33.54685, Lon:-117.21360)



Figure 6. 06/30/14 11:06 - Second box from the left (downstream direction) looking upstream. Dry. No signs of recent flow.
(Lat: 33.54687, Lon:-117.21363)



Figure 7. 06/30/14 11:06 - Second box from the left (downstream direction) looking downstream inside of pipe. Dry. No signs of recent flow. (Lat: 33.54688, Lon:-117.21364)



Figure 8. 06/30/14 11:06 - First box from the left (downstream direction) looking downstream inside of pipe. Dry. No signs of recent flow. (Lat: 33.54687, Lon:-117.21363)



Figure 9. 06/30/14 11:13 - CB at north corner of Washington Ave and Ivy St. Dry. No signs of IC-ID or recent flow. (Lat: 33.55117, Lon:-117.21140)



Figure 10. 06/30/14 11:15 - NE CB on Washington Ave in between Ivy St and C St. Dry. No signs of IC-ID or recent flow. (Lat: 33.55232, Lon:-117.21265)



Figure 11. 06/30/14 11:15 - SW CB on Washington Ave in between Ivy St and C St. Dry No signs of IC-ID or recent flow. (Lat: 33.55226, Lon:-117.21273)



Figure 12. 06/30/14 11:19 - CB near north corner of Washington Ave and C St. Gutter wet from recent flow. Vegetation debris in front of inlet. (Lat: 33.55313, Lon:-117.21319)



Figure 13. 06/30/14 11:19 - CB near east corner of Washington Ave and C St. Dry. No signs of recent flow. Little vegetation debris in front of inlet. (Lat: 33.55305, Lon:-117.21314)



Figure 14. 06/30/14 11:20 - CB NW of Washington Ave and C St. Dry. No signs of IC-ID or recent flow. (Lat: 33.55303, Lon:-117.21348)



Figure 15. 06/30/14 11:20 - CB W of Washington Ave and C St. Dry. No signs of IC-ID or recent flow. (Lat: 33.55298, Lon:-117.21350)



Figure 16. 06/30/14 11:21 - North CB on Washington Ave in between C St and Juniper St. Dry. No signs of IC-ID or recent flow. (Lat: 33.55338, Lon:-117.21383)



Figure 17. 06/30/14 11:28 - W CB at drive way to Murrieta Senior Center of Juniper St. Dry. No signs of IC-ID or recent flow.
(Lat: 33.55695, Lon:-117.21027)



Figure 18. 06/30/14 11:28 - E CB at drive way to Murrieta Senior Center of Juniper St. Dry. No signs of IC-ID or recent flow.
(Lat: 33.55699, Lon:-117.21019)



Figure 19. 06/30/14 11:30 - N CB on Juniper St NE of Adams Ave. Dry. No signs of IC-ID or recent flow. (Lat: 33.55642, Lon:-117.21083)



Figure 20. 06/30/14 11:31 - Inlet at south corner of parking lot of Murreita Senior Center. Dry no signs of IC-ID or recent flow. (Lat: 33.55648, Lon:-117.21085)



Figure 21. 06/30/14 11:31 - Inlet at south corner of parking lot of Murreita Senior Center. Dry no signs of IC-ID or recent flow.
(Lat: 33.55649, Lon:-117.21084)



Figure 22. 06/30/14 11:31 - Inlet at south corner of parking lot of Murreita Senior Center. Dry no signs of IC-ID or recent flow.
(Lat: 33.55646, Lon:-117.21087)



Figure 23. 06/30/14 11:33 - N CB at Juniper St and Washington Ave. Dry. No signs of IC-ID or recent flow. (Lat: 33.55380, Lon:-117.21425)



Figure 24. 06/30/14 11:39 - CB NE of Ivy st and Adams Ave. Dry. No signs of IC-ID or recent flow. (Lat: 33.55368, Lon:-117.20792)



Figure 25. 06/30/14 11:39 - CB NW of Ivy St and Adams Ave. Dry. No signs of IC-ID or recent flow. Some sediment deposited in front of inlet. (Lat: 33.55370, Lon:-117.20806)



Figure 26. 06/30/14 11:40 - Utility vault (RCWD) NW adjacent to CB NW of Ivy St and Adams Ave. (Lat: 33.55374, Lon:-117.20810)



Figure 27. 06/30/14 11:40 - CB SW of Ivy St and Adams Ave. Dry. No signs of IC-ID or recent flow. (Lat: 33.55339, Lon:-117.20829)



Figure 28. 06/30/14 11:41 - CB W of Ivy St and Adams Ave. Dry No signs of IC-ID or recent flow. Little vegetation debris near inlet. (Lat: 33.55343, Lon:-117.20776)



Figure 29. 06/30/14 11:42 - E CB on Adams Ave SE of Ivy St, Dry. No signs of IC-ID or recent flow. (Lat: 33.55313, Lon:-117.20746)



Figure 30. 06/30/14 11:42 - W CB on Adams Ave SE of Ivy St. Dry. No signs of IC-ID or recent flow. (Lat: 33.55307, Lon:-117.20756)



Figure 31. 06/30/14 11:45 - CB at E corner of Ivy St and Washington Ave. Dry. No signs of IC-ID or recent flow. (Lat: 33.55105, Lon:-117.21110)



Figure 32. 06/30/14 11:50 - CB at E corner of Ivy St and Jefferson Ave. Dry. No signs of IC-ID or recent flow. (Lat: 33.55603, Lon:-117.20445)



Figure 33. 06/30/14 11:52 - CB at N corner of Ivy St and Jefferson Ave. Dry No signs of IC-ID or recent flow. (Lat: 33.55621, Lon:-117.20467)

ATTACHMENT B.2

**NAL Exceedance Investigation Report
2014-06-30, 902MS4309**

Follow-up Dry Weather Numeric Action Level (NAL) Investigation Reporting Form

GENERAL INFORMATION

Agency: Riverside County Flood Control and Water Conservation District

Date (MM/DD/YYYY): 06/30/2014 Outfall ID: 902MS4309

Time (24-HR): 09:18 Latitude (DMS): _____ ° _____ ' _____ "

Weather: Clear, Sunny. Temp from 66F to 77F Longitude (DMS): _____ ° _____ ' _____ "

Date of Last Rain (MM/DD/YYYY): _____

This is also the followup investigation for the 6/4/14 field exceedance notification.

SUMMARY OF LABORATORY ANALYSIS DATA

Complete the following based on the information received in the NAL Exceedance Notification.

NAL General Constituents (SMR MS4 Permit, Table 3.a)									
Parameter	Result	Units	Exceeds NAL?		Parameter	Result	Units	Exceeds NAL?	
			Y	N				Y	N
Fecal Coliform	900	MPN/100mL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Total Nitrogen	3.50	mg/L	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Enterococci	1,600	MPN/100ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Total Phosphorous	0.60	mg/L	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Turbidity	32.5	NTU	<input checked="" type="checkbox"/>	<input type="checkbox"/>	MBAS		mg/L	<input type="checkbox"/>	<input checked="" type="checkbox"/>
pH		-	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Iron	630.00	µg/L	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dissolved Oxygen	0.7	mg/L	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Manganese		µg/L	<input type="checkbox"/>	<input checked="" type="checkbox"/>

NAL Priority Constituents (SMR MS4 Permit, Table 3.b)									
Parameter	Result	Units	Exceeds NAL?		Parameter	Result	Units	Exceeds NAL?	
			Y	N				Y	N
Cadmium		µg/L	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Lead		µg/L	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Copper		µg/L	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Nickel		µg/L	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chromium III		µg/L	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Silver		µg/L	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chromium VI		µg/L	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Zinc		µg/L	<input type="checkbox"/>	<input checked="" type="checkbox"/>

NAL INVESTIGATION INSTRUCTIONS

Begin investigation at the outfall where the NAL exceedance(s) were identified. Note observations such as strange odors, colors, or staining. Attempt to trace the discharge or signs of discharge which may have caused the NAL exceedance to its origin and identify its source. Start at **SOURCE DETERMINATION – STEP ①**. Note relevant observations in **NAL SOURCE DETERMINATION SUMMARY**. Take sufficient photographs to document the investigation and support any conclusions.

Follow-up Dry Weather Numeric Action Level (NAL) Investigation Reporting Form

SOURCE DETERMINATION – STEP ①

Is the source of the exceedance **not due to human influence** in origin and in conveyance to the MS4 and consist of either:

- Rising Groundwater;
- Springs; or
- Flows from riparian habitats and wetlands.

NOTES: Did not observe flow at the outfall. Due to obstruction of vegetation and accumulated sediment within the basin, water ponds just downstream of the outfall.

- ✓ If any of the above boxes are checked, then the source of the exceedance likely resulted from a **NATURAL SOURCE**. Skip to the **SOURCE DETERMINATION – STEP ⑥** below and select **NATURAL SOURCE** ; or
- ✓ If none of the boxes above are checked continue to **SOURCE DETERMINATION – STEP ②**.

SOURCE DETERMINATION – STEP ②

Does the source of the exceedance result from (conditionally exempt discharges):

- Diverted stream flows;
- Uncontaminated ground water infiltration to MS4s. As defined in 40 CFR 35.3005(20), this consists of water other than wastewater that enters a sewer system (including sewer service connections and foundation drains) from the ground through such means as defective pipes, pipe joints, connections, or manholes. Infiltration does not include, and is distinguished from inflow;
- Uncontaminated pumped ground water;
- Foundation drains. Discharge requires enrollment under *Groundwater Extraction And Similar Discharges To Surface Waters Within The San Diego Region Except For San Diego Bay Permit*;
- Water from crawl space pumps;
- Footing drains. Discharge requires enrollment under *Groundwater Extraction And Similar Discharges To Surface Waters Within The San Diego Region Except For San Diego Bay Permit*;
- Air conditioning condensation;
- Water line flushing;
- Discharges from potable water sources not subject to NPDES Permit No. CAG679001 (*Discharges Of Hydrostatic Test Water And Potable Water To Surface Waters And Storm Drains Or Other Conveyance Systems Within The San Diego Region*), other than water main breaks;
- Individual residential car washing; or
- Dechlorinated swimming pool discharges.

- ✓ If the above boxes are checked, then skip to **SOURCE DETERMINATION – STEP ⑥** below and select **EXEMPTED CATEGORY OF NON-STORMWATER DISCHARGE** .
- ✓ If none of the boxes above are checked continue to **SOURCE DETERMINATION – STEP ③**.

None of the above were observed. Did not observe residential car washing or swimming pool discharges. However there was a trickle of water drying up in the gutters that appeared to result from irrigation runoff.

Follow-up Dry Weather Numeric Action Level (NAL) Investigation Reporting Form

SOURCE DETERMINATION – STEP ③

Does the source of the exceedance consist of a NPDES permitted non-stormwater discharge? Examples of NPDES permits are listed below:

- Construction General Permit
- Industrial General Permit
- De-Minimus Permit (*Groundwater Extraction And Similar Discharges To Surface Waters Within The San Diego Region Except For San Diego Bay*)
- Groundwater Permit
- Individual NPDES/WDR Permit
- Reclaimed/Recycled Water; or
- Other NPDES Permit: _____

Construction of homes observed upstream of Jean Nicholas Rd. However, no discharges to the storm drain and inlet construction BMPs were provided. In addition, the drainage area is primarily residential (No industrial).

- ✓ If any of the above boxes are checked then there may be a potential violation of a **SEPARATE NPDES PERMITTED NON-STORMWATER DISCHARGE**. Skip to **SOURCE DETERMINATION – STEP ⑥** and select **SEPARATE NPDES PERMITTED DISCHARGE**;
- ✓ If none of the boxes are checked continue to **SOURCE DETERMINATION – STEP ④**.

SOURCE DETERMINATION – STEP ④

Identify whether the source of the exceedance was caused by an illicit discharge or illegal connection:

- Unauthorized storm drain connection; or
- Evidence of an illegal discharge; or
- Non-NPDES permitted non-stormwater discharge: _____

- ✓ If any of the above boxes are checked, then there may be an **ILLICIT DISCHARGE OR CONNECTION**. Skip to **SOURCE DETERMINATION – STEP ⑥** and select **ILLICIT DISCHARGE OR CONNECTION**.
- ✓ If none of the boxes are checked continue to **SOURCE DETERMINATION – STEP ⑤**.
None of the above were observed.

SOURCE DETERMINATION – STEP ⑤

- ✓ The source of the exceedance is unknown. This may occur if evidence of what caused the NAL exceedance is not present. An example includes the case when no flow is observed and there are no identifying signs such as staining or odor is present. Select **INDETERMINATE SOURCE** in the **SOURCE DETERMINATION – STEP ⑥**. Provide additional details in the **NAL SOURCE DETERMINATION SUMMARY** as to why the source could not be identified.

Follow-up Dry Weather Numeric Action Level (NAL) Investigation Reporting Form

SOURCE DETERMINATION – STEP ⑥

Based on Steps ① through ⑤ of the source determination, select the likely source of the NAL exceedance:

<input type="checkbox"/> NATURAL	<input type="checkbox"/> ILLICIT DISCHARGE OR CONNECTION	<input type="checkbox"/> EXEMPTED NON-STORM WATER CATEGORY	<input type="checkbox"/> SEPARATE NPDES PERMITTED DISCHARGE	<input checked="" type="checkbox"/> INDETERMINATE SOURCE
Follow steps in Option A of the flow chart ¹ .	Follow Steps in Option B of the flow chart ¹ .	Follow Steps in Option C of the flow chart ¹ .	Follow Steps in Option D of the flow chart ¹ .	Follow Steps in Option E of the flow chart ¹ .

¹Refer to the Santa Margarita Region NAL Response Actions Flow Chart for further actions. When conducting focused sampling to attempt to identify an indeterminate source use the **FOCUSED SAMPLING FIELD DATA SHEET** below.

NAL SOURCE DETERMINATION SUMMARY

Based on the investigation and the weight of the evidence, it has been determined that the source of the NAL exceedance is likely due to:

- Photos attached?

On 6/4/14, the District was notified that this outfall had an exceedance of NALs for Dissolved Oxygen and Turbidity. The 6/30/14 field investigation did not identify evidence of an IC-ID. Significant sediment and vegetation was observed at the outfall which caused water to pond. No flow was observed at the basin outlet into French Valley Ch. The water at the basin outlet was water ponding from French Valley Ch. In addition, there was insufficient flow upstream of the outfall to conduct focused sampling.

If applicable, describe enforcement actions taken:

N/A

Inspector Printed Name: Kahlil Amin Title: Assoc. Civil Eng

Inspector Signature: _____ Date: 06/30/2014

**Santa Margarita Region
NAL Response Actions Flowchart**

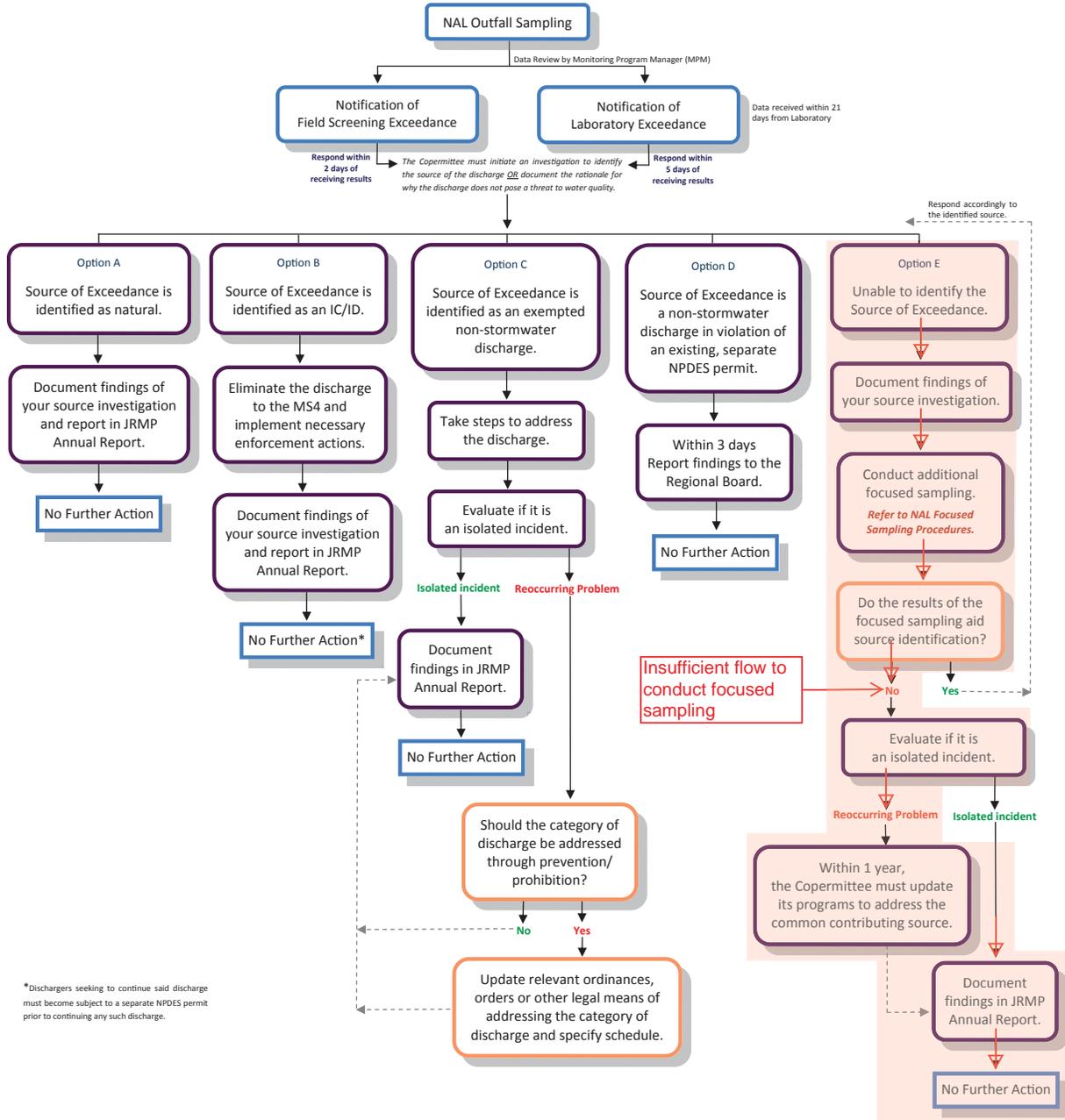




Figure 1. 06/30/14 09:22 - 06/30/14 09:22 - Northeast corner of basin looking towards access road. (Lat: 33.60507, Lon:-117.11293)



Figure 2. 06/30/14 09:22 - Northeast corner of basin looking northwest towards the outfall. (Lat: 33.60505, Lon:-117.11294)



Figure 3. 06/30/14 09:23 - Northeast corner of basin looking southwest. (Lat: 33.60505, Lon:-117.11294)



Figure 4. 06/30/14 09:23 - Northeast corner of basin looking southwest. (Lat: 33.60505, Lon:-117.11294)



Figure 5. 06/30/14 09:26 - Outfall structure left (downstream direction) side looking upstream. (Lat: 33.60510, Lon:-117.11345)



Figure 6. Intersection of Date Palm St and Blue Spruce Ln facing basin outlet and French valley channel. French Valley Channel is heavily vegetated.



Figure 7. 06/30/14 09:35 - Gate for habitat restoration site. (Lat: 33.60440, Lon:-117.11465)



Figure 8. 06/30/14 09:37 - Basin outlet downstream of Blue Spruce Ln. Water appeared to be ponding from French Valley Channel. No flow was observed from the basin. (Lat: 33.60422, Lon:-117.11462)



Figure 9. B 06/30/14 09:37 - Basin outlet downstream of Blue Spruce Ln (looking downstream). (Lat: 33.60423, Lon:-117.11458)



Figure 10. 06/30/14 09:42 - Outfall right side. Basin is heavily vegetated. (Lat: 33.60510, Lon:-117.11349)



Figure 11. 06/30/14 09:49 - French Valley Channel - No flow (ponded). (Lat: 33.60419, Lon:-117.11412)



Figure 12. 06/30/14 09:49 - Broken gate on the southside of the basin. This appears to be the easiest access point for the basin outlet structure. (Lat: 33.60419, Lon:-117.11413)



Figure 13. 06/30/14 09:55 - Basin outlet structure. No flow observed from basin. Bacteria growth on the bottom. (Lat: 33.60435, Lon:-117.11431)



Figure 14. 06/30/14 10:04 - Janelle Ln right CB. Very small trickle flow. Roads appeared to be recently paved. No evidence for cause of NAL exceedance observed. (Lat: 33.60566, Lon:-117.11431)



Figure 15. 06/30/14 10:04 - Janelle Ln left CB. Roads appeared to be recently paved. Very small trickle flow. No evidence for cause of NAL exceedance observed. (Lat: 33.60574, Lon:-117.11439)



Figure 16. 06/30/14 10:07 - CB at SE corner of Saguaro Dr and Euclid Lp. Roads appeared to be recently paved. Very small trickle flow. No evidence for cause of NAL exceedance observed. (Lat: 33.60635, Lon:-117.11476)



Figure 17. 06/30/14 10:07 - CB at SW corner of Suguaro Dr and Euclid Lp. Roads appeared to be recently paved. Very small trickle flow. No evidence for cause of NAL exceedance observed. (Lat: 33.60624, Lon:-117.11516)



Figure 18. 06/30/14 10:07 - CB at NW corner of Suguaro Dr and Euclid Lp. Roads appeared to be recently paved. Very small trickle flow. Some sediment on sidewalk adjacent to landscaping. No evidence for cause of NAL exceedance observed. (Lat: 33.60633, Lon:-117.11521)



Figure 1906/30/14 10:08 - CB at NE corner of Suguaro Dr and Euclid Lp. Roads appeared to be recently paved. Very small trickle flow. No evidence for cause of NAL exceedance observed. (Lat: 33.60641, Lon:-117.11490).



Figure 20. 06/30/14 10:10 - CB at Burmuda St and Euclid Lp. Roads appeared to be recently paved. Very small trickle flow. No evidence for cause of NAL exceedance observed. (Lat: 33.60795, Lon:-117.11406)



Figure 21. 06/30/14 10:13 - West CB on Stater Ave north of Peregrine Way. No evidence for cause of NAL exceedance observed. (Lat: 33.60950, Lon:-117.11430)



Figure 22. 06/30/14 10:13 - East CB on Slater Ave north of Peregrine Way. No evidence for cause of NAL exceedance observed. (Lat: 33.60948, Lon:-117.11418)



Figure 23. 06/30/14 10:13 - CB at NW corner of Slater Ave and Peregrine Way. Dry. No evidence for cause of NAL exceedance observed. (Lat: 33.60944, Lon:-117.11442)



Figure 24. 06/30/14 10:13 - CB at SW corner of Slater Ave and Peregrine Way. Damp. No evidence for cause of NAL exceedance observed. (Lat: 33.60935, Lon:-117.11447)



Figure 25. 06/30/14 10:14 - CB at NW corner of Peregrine Way and Flamingo Way. No evidence for cause of NAL exceedance observed. (Lat: 33.60945, Lon:-117.11528)



Figure 26. 06/30/14 10:15 - CB at SW corner of Peregrine Way and Flamingo Way. No evidence for cause of NAL exceedance observed. (Lat: 33.60935, Lon:-117.11522)



Figure 27. 06/30/14 10:15 - East CB on Flamingo Way north of Peregrine Way. No evidence for cause of NAL exceedance observed. (Lat: 33.60973, Lon:-117.11504)



Figure 28. 06/30/14 10:15 - West CB on Flamingo Way north of Peregrine Way. No evidence for cause of NAL exceedance observed. (Lat: 33.60969, Lon:-117.11515)



Figure 29. 06/30/14 10:20 - North CB on Jean Nicholas Rd east of Kooden Rd. Construction occurring nearby. Temporary inlet BMPs are installed. (Lat: 33.61263, Lon:-117.11408)



Figure 30. 06/30/14 10:21 - East CB on Kooden Rd between Jean Nicholas Rd and Pinion Pine Cir. Construction occurring upstream. Temporary construction BMPs are installed. (Lat: 33.61274, Lon:-117.11422)



Figure 31. 06/30/14 10:21 - CB at NE corner of Kooden Rd an Pinion Pine Cir. Recently completed homes in this area. (Lat: 33.61312, Lon:-117.11414)



Figure 32. 06/30/14 10:23 - CB at SW corner of Kooden Rd and Pinion Pine Cir. Temporary construction inlet BMP installed.
(Lat: 33.61302, Lon:-117.11464)



Figure 33. 06/30/14 10:23 - CB at NW corner of Kooden Rd and Pinion Pine Cir. Temporary construction inlet BMP installed.
(Lat: 33.61311, Lon:-117.11459)

ATTACHMENT B.3

**SAL Exceedance Investigation Report
2014-09-25, 902MS4289**

902MS4289 Wet Weather Stormwater Action Level (SAL) Exceedance Investigation Report
September 25, 2014

SUMMARY

Based on the laboratory results received for the two Wet Weather samples collected from Station ID 902MS4289, Outlet to Empire Creek @ Butterfield Stage Rd (Major Outfall) on December 13, 2012 and February 7, 2014, the SAL was exceedance once for turbidity. This resulted in an annual SAL exceedance running average of 50% for turbidity and is greater than the 20% limit in the 2010 SMR MS4 Permit. There were no other exceedances of SAL constituents. On September 3, 2014, the District held an internal meeting to determine the appropriate response to the SAL exceedance of turbidity. Since the magnitude of the exceedance was small (only 11% over), the exceedance does not appear to be reoccurring, and there were no other exceedances of other SAL constituents, the District determined that a desktop assessment was an appropriate response to determine potential sources of the exceedance.

REGULATORY REQUIREMENTS

Order No. R9-2010-0016 (2010 SMR MS4 Permit), adopted by the San Diego Regional Water Quality Control Board, describes the response requirements regarding the exceedance of SALs within the Santa Margarita Region. According to Provision D.1 of the 2010 SMR MS4 Permit, the Copermittees are required to evaluate the Wet Weather MS4 Discharge Monitoring results annually and compare the data to the Stormwater Action Levels (SALs). The SALs are listed below in Table 1.

Table 1. Stormwater Action Levels (SALs)

Pollutant	Action Level
Turbidity (NTU)	126
Nitrate & Nitrite total (mg/L)	2.6
P total (mg/L)	1.46
Cd total (µg/L)	3.0
Cu total (µg/L)	127
Pb total (µg/L)	250
Zn total (µg/L)	976

At each monitoring station, if the running average of the discharges from the outfall to Waters of the U.S. which exceed the SAL pollutant exceeds 20% then the Copermittees having jurisdiction to affirmatively augment and implement all necessary storm water controls and measures to reduce the discharges of the associated class of pollutants(s) to the MEP. In addition, Copermittees must take the magnitude, frequency, and number of constituents exceeding the SALs in addition to the receiving water quality and other information, into consideration when prioritizing and reacting to SAL exceedances in an iterative manner.

RESPONSE

The 2010 SMR MS4 Permit requires the District to augment and implement necessary stormwater controls and measures to reduce the discharges of the associated class of pollutant(s) to the MEP if the running average of SAL exceedances exceed 20%. The number of exceedances for the 2012-2013 and the 2013-2014 monitoring years for the Major Outfall are summarized below.

Table 2. Summary of Exceedances

Monitoring Year	# of exceedances per year
2012-2013	1 (Turbidity)
2013-2014	0
Average	50%

The current running average for the two monitoring years is 50%, which is greater than the 20% threshold. The permit also requires the District to take the magnitude, frequency, and number of constituents exceeding the SALs in addition to the receiving water into consideration when prioritizing and reacting to SAL exceedances in an iterative manner.

The relative magnitude of the exceedance is small ($140/126 = 111\%$) and only exceeds the SAL by 11%. In addition, the frequency and number of exceedances is low because the exceedance occurred for one constituent in one year. The exceedance doesn't appear to be a trend as it did not occur for the 2013-2014 monitoring year. As a result the District determined that this exceedance has a low priority and only a desktop assessment would be necessary.

DESKTOP ASSESSMENT

The Major Outfall drainage area is approximately 157.6 ac and consists of rural (0-0.2 DU/ac), public institutional facilities and vineyards/agricultural land uses. In addition, the area is hilly with some steep slopes. Runoff from the drainage area is collected by the Butterfield Stage Road Storm Drain (Project No. 7-0-00405, Drawing Nos. 7-0116 and 7-0301). Butterfield Stage Road Storm Drain is an approximately 4610 linear feet underground storm drain, with 48"-60" diameter reinforced concrete pipe (RCP).

A comparison was done of historical from google earth from 2011 to 2013 (see Figure 1 through Figure 4) within the drainage area to check if there were major land disturbance activities which may have contributed to the SAL exceedance. The comparison of the historical imagery shows that the drainage area was mostly unchanged from 2011 to 2013.

A search of construction sites in the drainage area from the State Water Board's Storm Water Multiple Applications & Report Tracking System (SMARTS) shows 3 construction sites were terminated by 9/2/2010 and 1 site expired¹ by 3/7/2011. Therefore, it is not likely that the exceedance was caused by a

¹ As short duration and low sediment risk projects qualifying for an erosivity waiver are not required to obtain coverage under the Construction General Permit, these projects do not have an option to terminate in the SMARTS.

Riverside County Flood Control
and Water Conservation District

Station ID 902MS4289
(Empire Creek @ Butterfield Stage Rd)

construction site since no construction sites occurred within a year prior to December 12, 2012 exceedance. These sites are summarized in Table 3 and shown on a map in Figure 5.

Table 3. Construction sites requiring Construction General Permit coverage within the drainage area.

Application ID	WDID	Site	Status	Date
287781	9 33C335890	Matt & Denise Beerers Residence	Terminated	09/02/2010
288059	9 33C334629	Dan Leigh Residence	Terminated	02/26/2010
321238	9 33C345907	Temecula Vineyard Estates Tract 32594	Terminated	06/24/2010
410878	9 33W000181	Berkswell Ln	Expired	03/07/2011

The rainfall intensity combined with the steep hill could potentially cause the increase levels of turbidity. As summarized in the 2012-2013 Monitoring Annual Report, the measured precipitation for the 12/13/12 event was 1.69” and exceeded the USEPA Representative Storm Criteria of 0.81”.

CONCLUSION

Based on the desktop assessment, the SAL exceedance for Turbidity does not appear to be caused by land disturbance activities such as construction. The hilly terrain combined within high intensity rainfall could create situations with higher potential for erosion and contribute to higher turbidity.



Figure 1. Google Earth imagery for 2011-03-09.

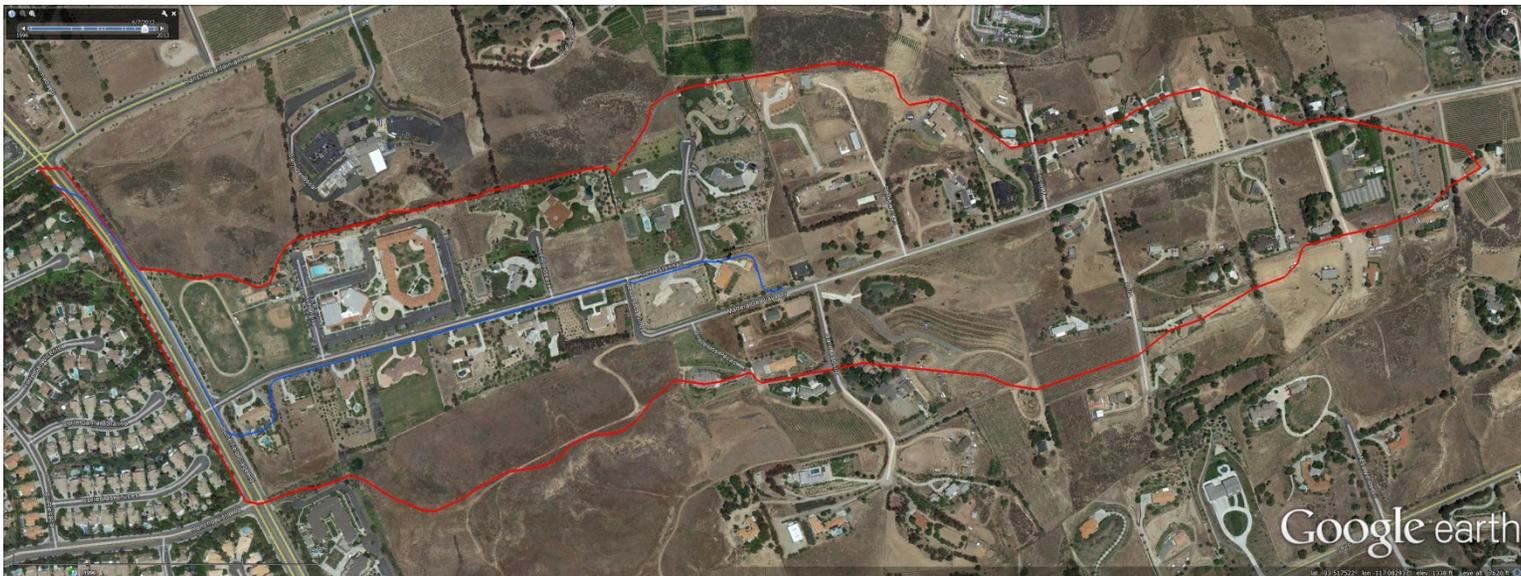


Figure 2. Google Earth imagery for 2012-06-07.



Figure 3. Google Earth imagery for 2013-01-08.



Figure 4. Google Earth imagery for 2013-11-12.

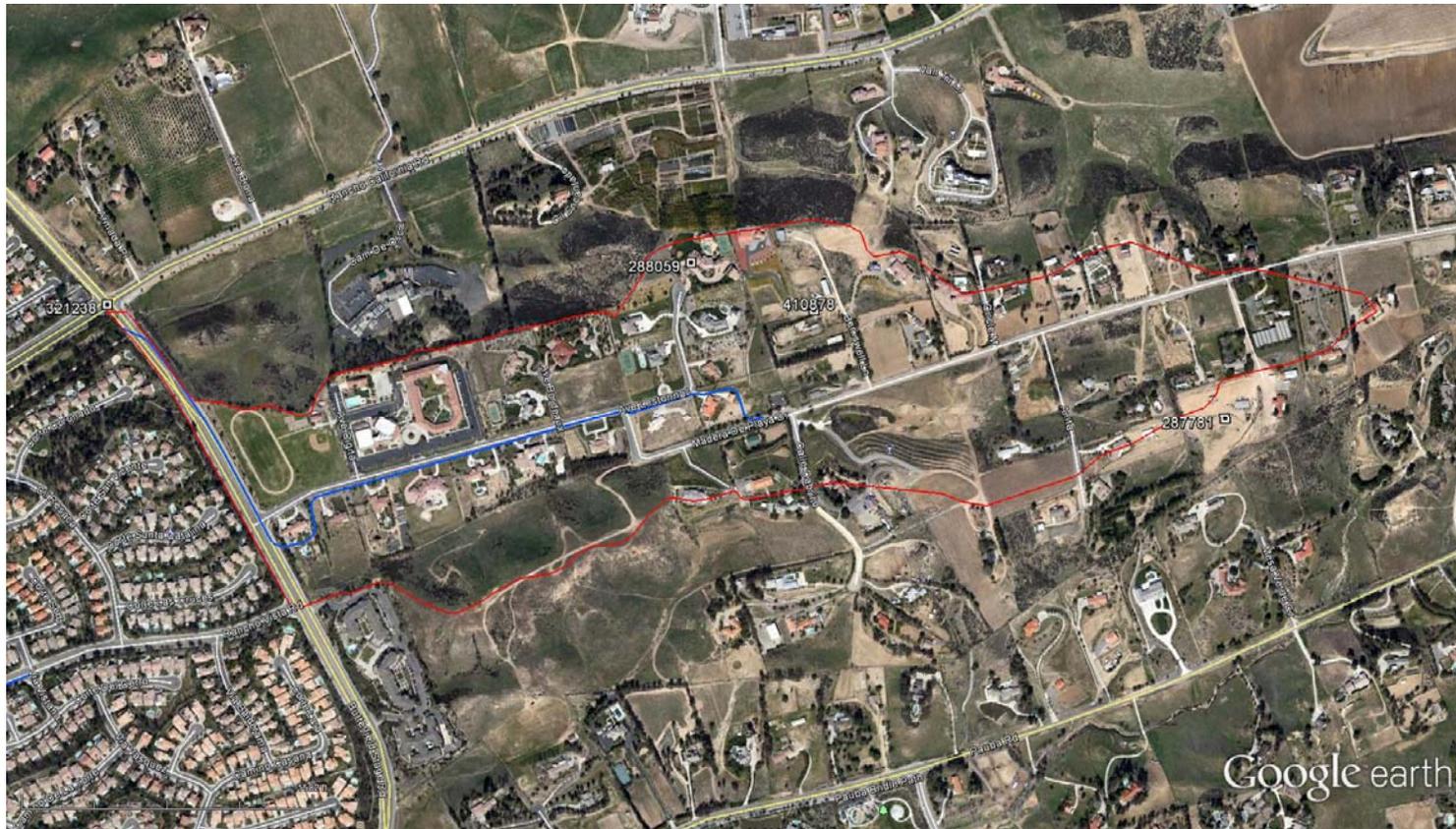


Figure 5. Construction Sites in the Storm Water Multiple Applications and Report Tracking System (SMARTS)

ATTACHMENT C

WORKPLAN UPDATES

(No updates during FY 2013-2014)

ATTACHMENT D

REFERENCE MATERIAL

For Information:

To report illegal dumping or a clogged storm drain
1-800-506-2555

Hazardous Materials Disposal,
Recycling/Disposal Vendors call:
951-486-3200 or 1-800-506-2555

County Code Enforcement Offices
(unincorporated area)

Lake Elsinore/Mead Valley.....951-245-3186
Jurupa Valley.....951-275-8739
Moreno Valley/Banning951-485-5840
Murrieta So. County951-600-6140
Thousand Palms District760-343-4150

Environmental Crimes
1-800-304-6100

Spill Response Agency
1-800-304-2226 or 951-358-5172

Recycling and Hazardous Waste Disposal
1-800-366-SAVE

For pollution prevention brochures or to obtain
information on other County Environmental
Services, call 1-800-506-2555

Popular links:
www.rcflood.org
www.cabmphandbooks.com
www.cfpub.epa.gov/npdes

**ONLY RAIN DOWN THE
STORM DRAIN
POLLUTION PREVENTION
PROGRAM**
1-800-506-2555



Riverside County's "Only Rain Down the Storm Drain"
Pollution Prevention Program members include:

Banning	Desert Hot Springs	Palm Desert
Beaumont	Hemet	Palm Springs
Calimesa	Indian Wells	Perris
Canyon Lake	Indio	Rancho Mirage
Cathedral City	Lake Elsinore	Riverside County
City of Riverside	La Quinta	San Jacinto
Corona	Menifee	Temecula
Coachella	Murrieta	Wildomar
Coachella Valley Water District	Moreno Valley Norco	

Stormwater Pollution

What you should know for...

Automotive Maintenance and Car Care

Best Management Practices (BMPS)
for:

- Auto Body Shops
- Auto Repair Shops
- Car Dealerships
- Gas Stations
- Fleet Service Operations



Stormwater Pollution...What You Should Know

Riverside County has three major river systems, or watersheds, that are important to our communities and the environment. Improper automotive maintenance, storage and washing activities can cause pollution that endangers the health of these rivers.

Pollutants that can collect on the ground from automotive repair, storage and washing areas such as antifreeze, oil, grease, gas, lubricants, soaps and dirt can be washed into the street by rain, over-irrigation or wash water runoff. Once these pollutants are in the streets they can be carried to these rivers by the storm drain system. Unlike the sewer system, the storm drain system carries water (and pollution) to our rivers without treatment. Pollution from storm drains is a form of storm water pollution.

A common storm water pollution problem associated with automotive shops and businesses is the activity of hosing down service bays without proper capture of runoff water, illegal dumping of fluids to the street or storm drain inlets and not properly storing hazardous materials. Examples of pollutants that can be mobilized by these activities include oil and grease from cars, copper and asbestos from worn break linings, zinc from tires and toxics from spilled fluids.

The Cities and County of Riverside have adopted ordinances, in accordance with state and federal law, which prohibit the discharge of pollutants into the storm drain system or local lakes, rivers or streams. This brochure provides common practices that can prevent storm water pollution and keep your shop in compliance with the law.

Best Management Practices for Auto Body & Repair Shops, Car Dealerships, Gas Stations and Fleet Service Operations

Changing Automotive Fluids

- Locate storm drains on or near your property. Do not allow material to flow to these drains.
- Collect, and separately recycle motor oil, antifreeze, transmission fluid and gear oil. Combining waste fluid prevents recycling.
- Drain brake fluid and other non-recyclables into a proper container and handle as a hazardous waste.
- Use a recyclable radiator flushing fluid and discard safely.

Only rain is allowed down the storm drain! Don't be an offender!! Violations of local ordinances are prosecuted to the fullest extent of the law.

Identify specific activities with the potential to cause spills or release pollutants such as oil, grease, fuel, etc. Post signs and train employees on how to prevent and clean up spills during activities.

YOU can prevent Stormwater Pollution following these practices...

Working on Transmissions, Engines and Miscellaneous Repairs

- Keep a drip pan or a wide low-rimmed container under vehicles to catch fluids whenever you unclip hoses, unscrew filters, or change parts, to contain unexpected leaks.
- Drain all fluids from wrecked vehicles into proper containers before disassembly or repair.
- Store batteries indoors, on an open rack.
- Return used batteries to a battery vendor.
- Contain cracked batteries to prevent hazardous spills.
- Catch metal filings in an enclosed unit or on a tarpaulin.
- Sweep filing areas to prevent washing metals into floor drains.

Cleaning Parts

- Clean parts in a self-contained unit, solvent sink, or parts washer to prevent solvents and grease from entering a storm drain.



Fueling Vehicles

- Clean-up minor spills with a dry absorbent, rather than allowing them to evaporate.
- Use a damp cloth and a damp mop to keep the area clean rather than a hose or a wet mop.



Keeping your shop or work area pollutant clean and environmentally safe

- Never hose down your work area, as pollutants could be washed into the storm drain.
- Sweep or vacuum the shop floor frequently.
- Routinely check equipment. Wipe up spills and repair leaks.
- Use large pans or an inflatable portable berm under wrecked cars.
- Avoid spills by emptying and wiping drip pans, when they are half-full.
- Keep dry absorbent materials and/or a wet/dry vacuum cleaner on hand for mid-sized spills.
- Train your employees to be familiar with hazardous spill response plans and emergency procedures.

- Immediately report hazardous material spills that have entered the street or storm drain to OES and local authorities.

Outdoor Parking and Auto Maintenance

- Use covered or controlled areas to prevent offsite spills.
- Sweep-up trash and dirt from outdoor parking and maintenance areas. Do not hose down areas. All non-stormwater discharges to the street or storm drain are prohibited.

Storing and Disposing of Waste

- Store recyclable and non-recyclable waste separately.
- Place liquid waste (hazardous or otherwise) in proper containers with secondary containment.
- Cover outdoor storage areas to prevent contact with rain water.
- Collect used parts for delivery to a scrap metal dealer.



Washing vehicles and steam cleaning equipment

- For car washing, minimize wash water used and use designated areas. Never discharge wash water to the street, gutters or storm drain.
- Be sure to keep waste water from engine parts cleaning or steam cleaning from being discharged to the street, gutter or storm drain.
- Wash vehicles and steam clean with environmentally friendly soaps and polishes.



Selecting and Controlling Inventory

- Purchase recyclable or non-toxic materials.
- Select "closed-loop" suppliers and purchase supplies in bulk.

Helpful telephone numbers and links:

Riverside County Stormwater Protection Partners

Flood Control District	(951) 955-1200
County of Riverside	(951) 955-1000
City of Banning	(951) 922-3105
City of Beaumont	(951) 769-8520
City of Calimesa	(909) 795-9801
City of Canyon Lake	(951) 244-2955
Cathedral City	(760) 770-0327
City of Coachella	(760) 398-4978
City of Corona	(951) 736-2447
City of Desert Hot Springs	(760) 329-6411
City of Eastvale	(951) 361-0900
City of Hemet	(951) 765-2300
City of Indian Wells	(760) 346-2489
City of Indio	(760) 391-4000
City of Lake Elsinore	(951) 674-3124
City of La Quinta	(760) 777-7000
City of Menifee	(951) 672-6777
City of Moreno Valley	(951) 413-3000
City of Murrieta	(951) 304-2489
City of Norco	(951) 270-5607
City of Palm Desert	(760) 346-0611
City of Palm Springs	(760) 323-8299
City of Perris	(951) 943-6100
City of Rancho Mirage	(760) 324-4511
City of Riverside	(951) 361-0900
City of San Jacinto	(951) 654-7337
City of Temecula	(951) 694-6444
City of Wildomar	(951) 677-7751

REPORT ILLEGAL STORM DRAIN DISPOSAL

1-800-506-2555 or e-mail us at fcnpdes@rcflood.org

- Riverside County Flood Control and Water Conservation District www.rcflood.org

Online resources include:

- California Storm Water Quality Association www.casqa.org
- State Water Resources Control Board www.waterboards.ca.gov
- Power Washers of North America www.thepwna.org

Stormwater Pollution

What you should know for...

Outdoor Cleaning Activities and Professional Mobile Service Providers



Storm drain pollution prevention information for:

- Car Washing / Mobile Detailers
- Window and Carpet Cleaners
- Power Washers
- Waterproofers / Street Sweepers
- Equipment cleaners or degreasers and all mobile service providers

Do you know where street flows actually go?

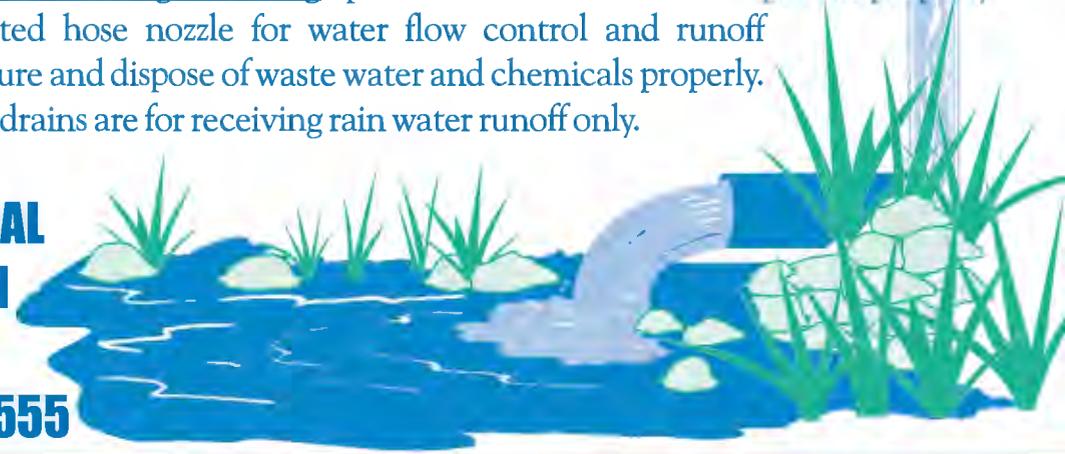
Storm drains are NOT connected to sanitary sewer systems and treatment plants!



The primary purpose of storm drains is to carry *rain* water away from developed areas to prevent flooding. Pollutants discharged to storm drains are transported directly into rivers, lakes and streams. Soaps, degreasers, automotive fluids, litter and a host of materials are washed off buildings, sidewalks, plazas and parking areas. Vehicles and equipment must be properly managed to prevent the pollution of local waterways.

Unintentional spills by mobile service operators can flow into storm drains and pollute our waterways. **Avoid mishaps.** Always have a **Spill Response Kit** on hand to clean up unintentional spills. Only emergency **Mechanical** repairs should be done in City streets, using drip pans for spills. **Plumbing** should be done on private property. Always store chemicals in a leak-proof container and keep covered when not in use. **Window/Power Washing** waste water shouldn't be released into the streets, but should be disposed of in a sanitary sewer, landscaped area or in the soil. Soiled **Carpet Cleaning** wash water should be filtered before being discharged into the sanitary sewer. Dispose of all filter debris properly. **Car Washing/Detailing** operators should wash cars on private property and use a regulated hose nozzle for water flow control and runoff prevention. Capture and dispose of waste water and chemicals properly. Remember, storm drains are for receiving rain water runoff only.

REPORT ILLEGAL STORM DRAIN DISPOSAL 1-800-506-2555



Help Protect Our Waterways!

Use these guidelines for Outdoor Cleaning Activities and Wash Water Disposal

Did you know that disposing of pollutants into the street, gutter, storm drain or body of water is **PROHIBITED** by law and can result in stiff penalties?

Best Management Practices

Waste wash water from Mechanics, Plumbers, Window/Power Washers, Carpet Cleaners, Car Washing and Mobile Detailing activities may contain significant quantities of motor oil, grease, chemicals, dirt, detergents, brake pad dust, litter and other materials.

Best Management Practices, or BMPs as they are known, are guides to prevent pollutants from entering the storm drains. *Each of us* can do our part to keep stormwater clean by using the suggested BMPs below:

Simple solutions for both light and heavy duty jobs:

Do...consider dry cleaning methods first such as a mop, broom, rag or wire brush. Always keep a spill response kit on site.

Do...prepare the work area before power cleaning by using sand bags, rubber mats, vacuum booms, containment pads or temporary berms to keep wash water away from the gutters and storm drains.

Do...use vacuums or other machines to remove and collect loose debris or litter before applying water.

Do...obtain the property owner's permission to dispose of *small amounts* of power washing waste water on to landscaped, gravel or unpaved surfaces.

Do...check your local sanitary sewer agency's policies on wash water disposal regulations before disposing of wash water into the sewer. (See list on reverse side)

Do...be aware that if discharging to landscape areas, soapy wash water may damage landscaping. Residual wash water may remain on paved surfaces to evaporate. Sweep up solid residuals and dispose of properly. Vacuum booms are another option for capturing and collecting wash water.

Do...check to see if local ordinances prevent certain activities.

Do not let...wash or waste water from sidewalk, plaza or building cleaning go into a street or storm drain.



Report illegal storm drain disposal
Call Toll Free
1-800-506-2555

Using Cleaning Agents

Try using biodegradable/phosphate-free products. They are easier on the environment, but don't confuse them with being toxic free. Soapy water entering the storm drain system can impact the delicate aquatic environment.



When cleaning surfaces with a *high-pressure washer* or *steam cleaner*, additional precautions should be taken to prevent the discharge of pollutants into the storm drain system. These two methods of surface cleaning can loosen additional material that can contaminate local waterways.

Think Water Conservation

Minimize water use by using high pressure, low volume nozzles. Be sure to check all hoses for leaks. Water is a precious resource, don't let it flow freely and be sure to shut it off in between uses.

Screening Wash Water

Conduct thorough dry cleanup before washing exterior surfaces, such as buildings and decks **with loose paint**, sidewalks or plaza areas. Keep debris from entering the storm drain after cleaning by first passing the wash water through a "20 mesh" or finer screen to catch the solid materials, then dispose of the mesh in a refuse container. Do not let the remaining wash water enter a street, gutter or storm drain.

Drain Inlet Protection & Collection of Wash Water

- Prior to any washing, block all storm drains with an impervious barrier such as sandbags or berms, or seal the storm drain with plugs or other appropriate materials.
- Create a containment area with berms and traps or take advantage of a low spot to keep wash water contained.
- Wash vehicles and equipment on grassy or gravel areas so that the wash water can seep into the ground.
- Pump or vacuum up all wash water in the contained area.

Concrete/Coring/Saw Cutting and Drilling Projects

Protect any down-gradient inlets by using dry activity techniques whenever possible. If water is used, minimize the amount of water used during the coring/drilling or saw cutting process. Place a barrier of sandbags and/or absorbent berms to protect the storm drain inlet or watercourse. Use a shovel or wet vacuum to remove the residue from the pavement. Do not wash residue or particulate matter into a storm drain inlet or watercourse.



Landscaping and garden maintenance activities can be major contributors to water pollution. Soils, yard wastes, over-watering and garden chemicals become part of the urban runoff mix that winds its way through streets, gutters and storm drains before entering lakes, rivers, streams, etc. Urban runoff pollution contaminates water and harms aquatic life!

In Riverside County, report illegal discharges into the storm drain, call 1-800-506-2555
"Only Rain Down the Storm Drain"

Important Links:

Riverside County Household Hazardous Waste Collection Information
1-800-304-2226 or www.rivcowm.org

Riverside County Backyard Composting Program
1-800-366-SAVE

Integrated Pest Management (IPM) Solutions
www.ipm.ucdavis.edu

California Master Gardener Programs
www.mastergardeners.org
www.camastergardeners.ucdavis.edu

California Native Plant Society
www.cnps.org

The Riverside County "Only Rain Down the Storm Drain" Pollution Prevention Program gratefully acknowledges Orange County's Storm Water Program for their contribution to this brochure.



...Only Rain Down ...the Storm Drain

*What you should know for...
Landscape and Gardening*

Best Management tips for:

- Professionals
- Novices
- Landscapers
- Gardeners
- Cultivators



Tips for Landscape & Gardening

This brochure will help you to get the most of your lawn and gardening efforts and keep our waterways clean. Clean waterways provide recreation, establish thriving fish habitats, secure safe sanctuaries for wildlife, and add beauty to our communities. NEVER allow gardening products or waste water to enter the street, gutter or storm drain.

General Landscaping Tips

- Protect stockpiles and materials from wind and rain by storing them under tarps or secured plastic sheeting.
- Prevent erosion of slopes by planting fast-growing, dense ground covering plants. These will shield and bind the soil.
- Plant native vegetation to reduce the amount of water, fertilizers and pesticides applied to the landscape.
- Never apply pesticides or fertilizers when rain is predicted within the next 48 hours.



Garden & Lawn Maintenance

- Do not overwater. Use irrigation practices such as drip irrigation, soaker hoses or micro-spray systems. Periodically inspect and fix leaks and misdirected sprinklers.

- Do not rake or blow leaves, clippings or pruning waste into the street, gutter or storm drain. Instead, dispose of green waste by composting, hauling it to a permitted landfill, or recycling it through your city's program.



- Consider recycling your green waste and adding "nature's own fertilizer" to your lawn or garden.
- Read labels and use only as directed. Do not over-apply pesticides or fertilizers. Apply to spots as needed, rather than blanketing an entire area.
- Store pesticides, fertilizers and other chemicals in a dry covered area to prevent exposure that may result in the deterioration of containers and packaging.
- Rinse empty pesticide containers and re-use rinse water as you would use the product. Do not dump rinse water down storm drains or sewers. Dispose of empty containers in the trash.
- When available, use non-toxic alternatives to traditional pesticides, and use pesticides specifically designed to control the pest you are targeting.

- Try natural long-term common sense solutions first. Integrated Pest Management (IPM) can provide landscaping guidance and solutions, such as:

- ◆ **Physical Controls** - Try hand picking, barriers, traps or caulking holes to control weeds and pests.
- ◆ **Biological Controls** - Use predatory insects to control harmful pests.
- ◆ **Chemical Controls** - Check out www.ipm.ucdavis.edu before using chemicals. Remember, all chemicals should be used cautiously and in moderation.

- If fertilizer is spilled, sweep up the spill before irrigating. If the spill is liquid, apply an absorbent material such as cat litter, and then sweep it up and dispose of it in the trash.
- Take unwanted pesticides to a Household Waste Collection Center to be recycled.
- *Dumping toxics into the street, gutter or storm drain is illegal!*

www.bewaterwise.com Great water conservation tips and drought tolerant garden designs.

www.ourwaterourworld.com Learn how to safely manage home and garden pests.

Additional information can also be found on the back of this brochure.



A Citizen's Guide to Understanding Stormwater



EPA United States Environmental Protection Agency

EPA 833-B-03-002

January 2003

Internet Address (URL): <http://www.epa.gov>
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After the Storm

For more information contact:
www.epa.gov/nps/stormwater
 or visit
www.epa.gov/nps



What is stormwater runoff?



Stormwater runoff occurs when precipitation from rain or snowmelt flows over the ground. Impervious surfaces like driveways, sidewalks, and streets prevent stormwater from naturally soaking into the ground.

Why is stormwater runoff a problem?



Stormwater can pick up debris, chemicals, dirt, and other pollutants and flow into a storm sewer system or directly to a lake, stream, river, wetland, or coastal water. Anything that enters a storm sewer system is discharged untreated into the waterbodies we use for swimming, fishing, and providing drinking water.

The effects of pollution

Polluted stormwater runoff can have many adverse effects on plants, fish, animals, and people.

- ◆ Sediment can cloud the water and make it difficult or impossible for aquatic plants to grow. Sediment also can destroy aquatic habitats.
- ◆ Excess nutrients can cause algae blooms. When algae die, they sink to the bottom and decompose in a process that removes oxygen from the water. Fish and other aquatic organisms can't exist in water with low dissolved oxygen levels.
- ◆ Bacteria and other pathogens can wash into swimming areas and create health hazards, often making beach closures necessary.
- ◆ Debris—plastic bags, six-pack rings, bottles, and cigarette butts—washed into waterbodies can choke, suffocate, or disable aquatic life like ducks, fish, turtles, and birds.
- ◆ Household hazardous wastes like insecticides, pesticides, paint, solvents, used motor oil, and other auto fluids can poison aquatic life. Land animals and people can become sick or die from eating diseased fish and shellfish or ingesting polluted water.



◆ Polluted stormwater often affects drinking water sources. This, in turn, can affect human health and increase drinking water treatment costs.

Stormwater Pollution Solutions



Education is essential to changing people's behavior. Signs and markers near storm drains warn residents that pollutants entering the drains will be carried untreated into a local waterbody.

Residential

Auto care

Washing your car and degreasing auto parts at home can send detergents and other contaminants through the storm sewer system. Dumping automotive fluids into storm drains has the same result as dumping the materials directly into a waterbody.



- ◆ Use a commercial car wash that treats or recycles its wastewater, or wash your car on your yard so the water infiltrates into the ground.
- ◆ Repair leaks and dispose of used auto fluids and batteries at designated drop-off or recycling locations.

Recycle or properly dispose of household products that contain chemicals, such as insecticides, pesticides, paint, solvents, and used motor oil and other auto fluids. Don't pour them onto the ground or into storm drains.

Lawn care

Excess fertilizers and pesticides applied to lawns and gardens wash off and pollute streams. In addition, yard clippings and leaves can wash into storm drains and contribute nutrients and organic matter to streams.



- ◆ Don't overwater your lawn. Consider using a soaker hose instead of a sprinkler.
- ◆ Use pesticides and fertilizers sparingly. When use is necessary, use these chemicals in the recommended amounts. Use organic mulch or safer pest control methods whenever possible.
- ◆ Compost or mulch yard waste. Don't leave it in the street or sweep it into storm drains or streams.
- ◆ Cover piles of dirt or mulch being used in landscaping projects.

Septic systems

Leaking and poorly maintained septic systems release nutrients and pathogens (bacteria and viruses) that can be picked up by stormwater and discharged into nearby waterbodies. Pathogens can cause public health problems and environmental concerns.



- ◆ Inspect your system every 3 years and pump your tank as necessary (every 3 to 5 years).
- ◆ Don't dispose of household hazardous waste in sinks or toilets.

Pet waste

Pet waste can be a major source of bacteria and excess nutrients in local waters.



- ◆ When walking your pet, remember to pick up the waste and dispose of it properly. Flushing pet waste is the best disposal method. Leaving pet waste on the ground increases public health risks by allowing harmful bacteria and nutrients to wash into the storm drain and eventually into local waterbodies.

Residential landscaping

Permeable Pavement—Traditional concrete and asphalt don't allow water to soak into the ground. Instead these surfaces rely on storm drains to divert unwanted water. Permeable pavement systems allow rain and snowmelt to soak through, decreasing stormwater runoff.

Rain Barrels—You can collect rainwater from rooftops in mosquito-proof containers. The water can be used later on lawn or garden areas.



Rain Gardens and Grassy Swales—Specially designed areas planted with native plants can provide natural places for



rainwater to collect and soak into the ground. Rain from rooftop areas or paved areas can be diverted into these areas rather than into storm drains.

Vegetated Filter Strips—Filter strips are areas of native grass or plants created along roadways or streams. They trap the pollutants stormwater picks up as it flows across driveways and streets.

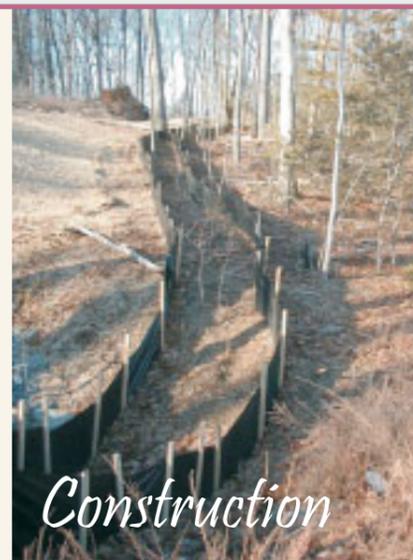
Commercial

Dirt, oil, and debris that collect in parking lots and paved areas can be washed into the storm sewer system and eventually enter local waterbodies.

- ◆ Sweep up litter and debris from sidewalks, driveways and parking lots, especially around storm drains.
- ◆ Cover grease storage and dumpsters and keep them clean to avoid leaks.
- ◆ Report any chemical spill to the local hazardous waste cleanup team. They'll know the best way to keep spills from harming the environment.

Erosion controls that aren't maintained can cause excessive amounts of sediment and debris to be carried into the stormwater system. Construction vehicles can leak fuel, oil, and other harmful fluids that can be picked up by stormwater and deposited into local waterbodies.

- ◆ Divert stormwater away from disturbed or exposed areas of the construction site.
- ◆ Install silt fences, vehicle mud removal areas, vegetative cover, and other sediment and erosion controls and properly maintain them, especially after rainstorms.
- ◆ Prevent soil erosion by minimizing disturbed areas during construction projects, and seed and mulch bare areas as soon as possible.



Construction

Agriculture

Lack of vegetation on streambanks can lead to erosion. Overgrazed pastures can also contribute excessive amounts of sediment to local waterbodies. Excess fertilizers and pesticides can poison aquatic animals and lead to destructive algae blooms. Livestock in streams can contaminate waterways with bacteria, making them unsafe for human contact.

- ◆ Keep livestock away from streambanks and provide them a water source away from waterbodies.
- ◆ Store and apply manure away from waterbodies and in accordance with a nutrient management plan.
- ◆ Vegetate riparian areas along waterways.
- ◆ Rotate animal grazing to prevent soil erosion in fields.
- ◆ Apply fertilizers and pesticides according to label instructions to save money and minimize pollution.

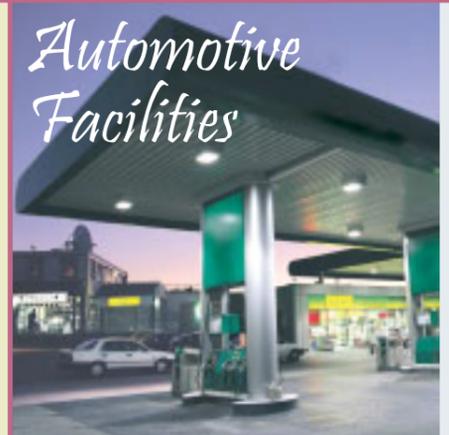


Forestry

Improperly managed logging operations can result in erosion and sedimentation.

- ◆ Conduct preharvest planning to prevent erosion and lower costs.
- ◆ Use logging methods and equipment that minimize soil disturbance.
- ◆ Plan and design skid trails, yard areas, and truck access roads to minimize stream crossings and avoid disturbing the forest floor.
- ◆ Construct stream crossings so that they minimize erosion and physical changes to streams.
- ◆ Expedite revegetation of cleared areas.

Automotive Facilities



Uncovered fueling stations allow spills to be washed into storm drains. Cars waiting to be repaired can leak fuel, oil, and other harmful fluids that can be picked up by stormwater.

- ◆ Clean up spills immediately and properly dispose of cleanup materials.
- ◆ Provide cover over fueling stations and design or retrofit facilities for spill containment.
- ◆ Properly maintain fleet vehicles to prevent oil, gas, and other discharges from being washed into local waterbodies.
- ◆ Install and maintain oil/water separators.

Saltwater Pools

- Salt water pools, although different from regular pools, are in fact, sanitized using chlorine. A salt-chlorine generator separates the chlorine and sodium molecules in salt and reintroduces them into the pool water. The same harmful effects of chlorine still apply.
- A salt water pool is still maintained with chemicals such as Muriatic acid, soda ash and sodium carbonate to help keep a proper pH, total Alkalinity, Calcium Hardness and Stabilizer levels.



- It may be illegal to discharge salt water to land. The salt may kill plants and the build-up of salt in soil puts animals, plants, and groundwater at risk. Consult your city representatives to determine local requirements regarding salt water drainage.

NEVER put unused chemicals into the trash, onto the ground or down a storm drain.

IMPORTANT: The discharge of pollutants into the street, gutter, storm drain system or waterways - without a permit or waiver - **is strictly prohibited by local ordinances, state and federal law.** Violations may result in monetary fines and enforcement actions.

Helpful telephone numbers and links

RIVERSIDE COUNTY WATER AGENCIES:

City of Banning.....	(951) 922-3130
City of Beaumont/Cherry Valley.....	(951) 845-9581
City of Blythe.....	(760) 922-6161
City of Coachella.....	(760) 398-3502
City of Corona.....	(951) 736-2263
City of Hemet.....	(951) 765-3710
City of Norco.....	(951) 270 5607
City of Riverside Public Works.....	(951) 351-6140
City of San Jacinto.....	(951) 654-4041
Coachella Valley Water District.....	(760) 398-2651
Desert Water Agency (Palm Springs).....	(760) 323-4971
Eastern Municipal Water District.....	(951) 928-3777
Elsinore Valley Municipal Water District.....	(951) 674 3146
Elsinore Water District.....	(951) 674-2168
Farm Mutual Water Company.....	(951) 244-4198
Idyllwild Water District.....	(951) 659-2143
Indio Water Authority.....	(760) 391-4129
Jurupa Community Services District.....	(951) 685-7434
Lee Lake Water.....	(951) 658-3241
Mission Springs Water.....	(760) 329-6448
Rancho California Water District.....	(951) 296-6900
Ripley, CSA #62.....	(760) 922-4951
Riverside Co. Service Area #51.....	(760) 227-3203
Rubidoux Community Services District.....	(951) 684-7580
Valley Sanitary District.....	(760) 347-2356
Western Municipal Water District.....	(951) 789-5000
Yucaipa Valley Water District.....	(909) 797-5117

CALL 1-800-506-2555 to:

- Report clogged storm drains or illegal storm drain disposal from residential, industrial, construction and commercial sites into public streets, storm drains and/or water bodies.
- Find out about our various storm drain pollution prevention materials.
- Locate the dates and times of Household Hazardous Waste (HHW) Collection Events.
- Request adult, neighborhood, or classroom presentations.
- Locate other County environmental services.
- Receive grasscycling information and composting workshop information.

Or visit our

Riverside County Flood Control and Water Conservation District website at: www.rcflood.org

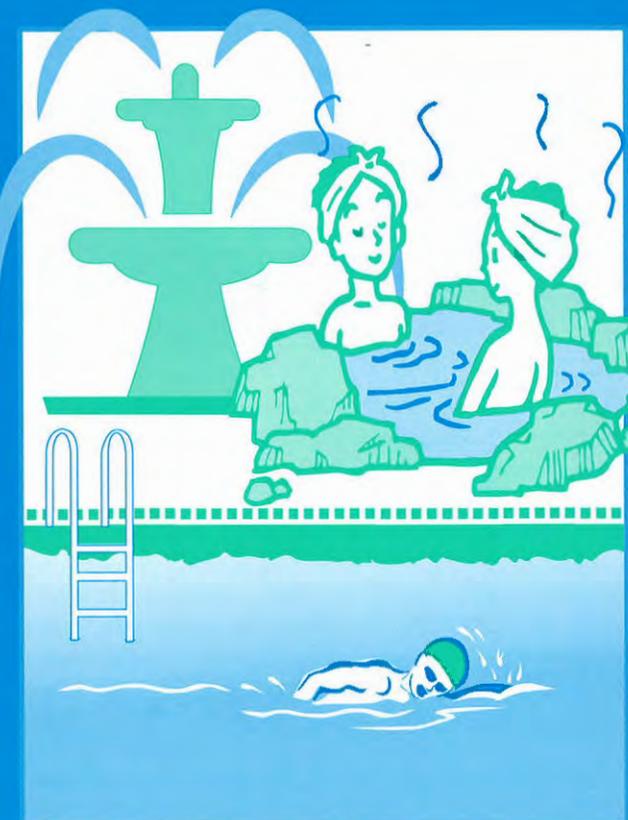
Other links to additional storm drain pollution information:

- County of Riverside Environmental Health: www.rivcoeh.org
- State Water Resources Control Board: www.waterboards.ca.gov
- California Stormwater Quality Association: www.casqa.org
- United States Environmental Protection Agency (EPA): www.epa.gov/compliance/assistance (compliance assistance information)



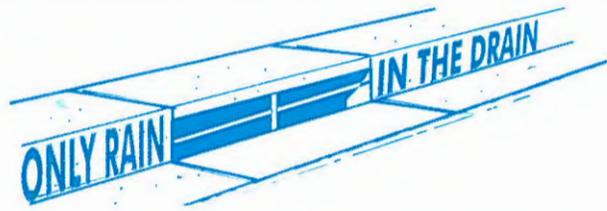
Riverside County's, "Only Rain Down the Storm Drain" Pollution Prevention Program gratefully acknowledges the Bay Area Stormwater Management Agencies Association and the Cleaning Equipment Trade Association for information provided in this brochure.

Guidelines for Maintaining your...



Swimming Pool, Jacuzzi and Garden Fountain

Where does the water go?



Pool, Jacuzzi and Fountain wastewater and rain water runoff (also called stormwater) that reach streets can enter the storm drain and be conveyed directly into local streams, rivers and lakes.



A storm drain's purpose is to prevent flooding by carrying rain water away from developed areas. Storm drains are not connected to sanitary sewers systems and treatment plants!

Wastewater, from residential swimming pools, Jacuzzis, fishponds and fountains, often contains chemicals used for sanitizing or cleansing purposes. Toxic chemicals (such as chlorine or copper-based algaecides) may pollute the environment when discharged into a storm drain system.

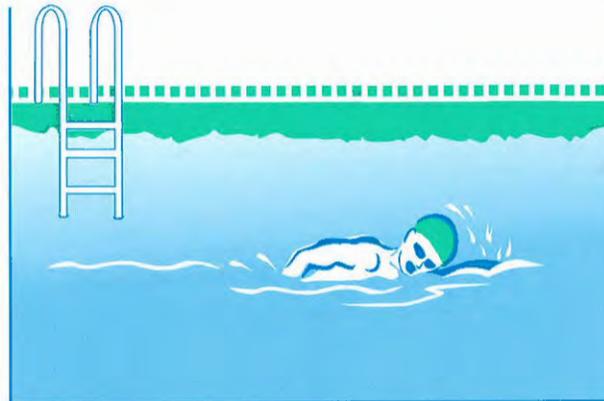
The Cities and County of Riverside have adopted ordinances that prohibit the discharge of wastewater to the street and storm drain system.



Discharge Regulations

Regulatory requirements for discharging wastewater from your pool may differ from city to city. Chlorinated water should not be discharged into the street, storm drain or surface waters. Check with your water agency to see if disposal to the sanitary sewer line is allowed for pool discharges (see reverse for Riverside County sewer agencies).

If allowed, a hose can be run from the pool Jacuzzi, or fountain to the private sewer cleanout, washing machine drain or a sink or bathtub.



If you cannot discharge to the sewer, you may drain your fountain, pool, or jacuzzi to your landscaping by following these guidelines:

First, reduce or eliminate solids (e.g. debris, leaves or dirt) in the pool water and allow the chemicals in the pool water to dissipate before draining the pool (this could take up to 7 days, verify using a home pool test kit).

Second, slowly drain to a landscaped area away from buildings or structures. Control the flow to prevent soil erosion; it may take more than one day to empty. Do not allow sediment to enter the street, gutter or storm drain.

Maintenance & Chemicals

Cleaning Filters

Filter rinse water and backwash must be discharged to the sanitary sewer, on-site septic tank and drain field system (if properly designed and adequately sized), or a seepage pit. Alternatively, rinse water or backwash may be diverted to landscaped or dirt areas. Filter media and other non-hazardous solids should be picked up and disposed of in the trash.



Algaecides

Avoid using copper-based algaecides unless absolutely necessary. Control algae with chlorine, organic polymers or other alternatives to copper-based pool chemicals. Copper is a heavy metal that can be toxic to aquatic life when you drain your pool.

Chemical Storage and Handling

- Use only the amount indicated on product labels
- Store chlorine and other chemicals in a covered area to prevent runoff. Keep out of reach of children and pets.
- Chlorine kits, available at retail swimming pool equipment and supply stores, should be used to monitor the chlorine and pH levels before draining your pool.
- Chlorine and other pool chemicals should never be allowed to flow into the gutter or storm drain system.

Take unwanted chemicals to a Household Hazardous Waste (HHW) Collection Event. There's no cost for taking HHW items to collection events – it's FREE! Call 1-800-506-2555 for a schedule of HHW events in your community.





**RIVERSIDE COUNTY
ANIMAL SERVICES LOCATIONS:**

www.rcdas.org

BLYTHE

16450 West Hobson Way
Blythe, CA 92225
760-921-7857

COACHELLA VALLEY ANIMAL CAMPUS

72-050 Petland Place
Thousand Palms, CA 92276
760-343-3644

RIVERSIDE COUNTY ANIMAL SERVICES

6851 Van Buren Blvd.
Riverside, CA 92509
951-688-4340

OTHER ANIMAL SHELTERS:

ANIMAL CARE CENTER OF INDIRIO

45-355 Van Buren
Indio, CA 92201
760-391-4138

ANIMAL FRIENDS OF THE VALLEYS

29001 Bastron Avenue
Lake Elsinore, CA 92530
951-674-0618

(Serving incorporated Temecula, Wildomar,
Lake Elsinore, Murrieta and Canyon Lake)

MARY S. ROBERTS PET ADOPTION CENTER

6185 Industrial Avenue
Riverside, CA 92504
951-688-4340

RAMONA HUMANE SOCIETY

690 Humane Way
San Jacinto 92586
951-654-8002

(Serving Sun City, Menifee, Romoland and Homeland)

Looking to adopt a pet?

This website is linked to many animal shelters.
www.petfinder.com

To report illegal storm drain disposal, call
1-800-506-2555

Or visit our website at www.rcflood.org

E-mail fcnpdes@rcflood.org

What's the Scoop?



TIPS FOR A HEALTHY PET AND A HEALTHIER ENVIRONMENT

CREATE A HEALTHY ENVIRONMENT in and around your home by following these simple pet practices. Your pet, family and neighbors will appreciate their clean comfortable surroundings.

HOUSEHOLD PETS

We all love our pets, but pet waste is a subject everyone likes to avoid. Pet waste left on trails, sidewalks, streets and grassy areas can be washed into the nearest waterway when it rains. Even if you can't see streams or lakes near you, rainfall (stormwater) or sprinkler runoff can wash pet waste into the storm drains that carry runoff to the nearest streams or lakes untreated.



The risk of stormwater contamination increases if pet waste is allowed to accumulate in outdoor animal pen areas or left on sidewalks, streets or driveways.



Pet waste contains nutrients and bacteria. Nutrients can promote the growth of algae in streams and lakes. Algae can cause fish kills and other environmental damage if it is fed too many nutrients. Pet Waste also contains e. Coli and fecal bacteria, which

can cause disease in other animals and humans that come in contact with it when swimming or splashing in streams and lakes. Dogs also carry salmonella and giardia, which can make people sick.

Pet waste that is not picked up and properly disposed can also increase vector problems. Flies and other insects are not only attracted to and feed on pet waste, but can also be infected with diseases and spread those diseases to humans and other animals.

WHAT CAN YOU DO?

- **SCOOP** up pet waste and flush it down the toilet or place in trash can.
- **NEVER DUMP** pet waste into a storm drain or catch basin.
- **USE** the complimentary bags or mutt mitts offered in dispensers at local parks.
- **CARRY EXTRA BAGS** when walking your dog and make them available to other pet owners who are without.
- **TEACH CHILDREN** how to properly clean up after a pet.
- **TELL FRIENDS AND NEIGHBORS** about the ill effects of animal waste on the environment. Encourage them to clean up after pets.

Call 1-800-506-2555 TOLL FREE to report illegal dumping to the storm drain, find the dates and times of local Household Hazardous Waste Collection Events, obtain additional information on stormwater problems and solutions, request presentations about stormwater pollution in your child's classroom, or learn about free grasscycling and composting workshops.

SCOOP THE POOP

Many communities have "Scoop the Poop" laws that govern pet waste cleanup.

Some of these laws specifically require

anyone who walks an animal off their property to carry a bag, shovel, or scooper. Any waste left by the animal must be cleaned up immediately. **CALL YOUR LOCAL CODE ENFORCEMENT OFFICE** to find out more about pet waste regulations.



OTHER WAYS TO PROTECT YOUR PETS AND THE ENVIRONMENT

Pets are only one of many sources that contribute to water pollution. However, these other sources of water pollution cannot only harm the environment but also harm your pet. Improperly used or stored lawn fertilizers, pesticides, soaps, grease and vehicle fluids cannot only be washed into local streams and lakes, these chemicals can also harm your pet if they ingest or touch these chemicals. Call 1-800-506-2555 for information regarding how to properly dispose of household hazardous wastes

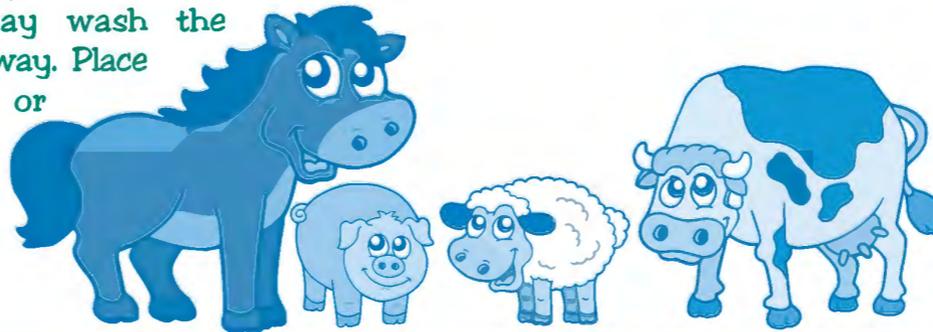
such as these. You can also keep your pets and our environment healthy by properly maintaining your vehicles, and limiting use of pesticides and fertilizers to only the amount that is absolutely needed.

Make sure to not only protect your pets, but to also protect your neighbors pets. **NEVER HOSE VEHICLE FLUIDS** into the street or gutter. **USE ABSORBENT MATERIALS** such as cat litter to clean-up spills. **SWEEP UP** used absorbent materials and place it in the trash.

HORSES AND LIVESTOCK

Fortunate enough to own a horse or livestock? You, too, can play a part in protecting and cleaning up our water resources. The following are a few simple Best Management Practices (BMPs) specifically designed for horses and livestock.

- **STORE** your manure properly. Do not store unprotected piles of manure in places where stormwater runoff may wash the manure away. Place a cover or tarp over the pile to keep rainwater out.



- **BUILD** a manure storage facility to protect your pets, property and the environment. These structures usually consist of a concrete pad to protect groundwater and a short wall on one or two sides to make manure handling easier.
- **READ** the Only Rain Down the Storm Drain brochure titled "Tips for Horse Care" for additional guidance and recommendations. This brochure should be available from your local city office or for download at www.rcflood.org/stormwater.
- **KEEP** animals out of streams - Horses and livestock can defecate in streams causing stormwater pollution. Livestock and horses in streams can also disturb sensitive habitat and vegetation, causing additional environmental damage. Keep livestock and horses away from streams and use designated stream crossings whenever possible.

- **MATERIAL STORAGE SAFETY TIPS** Many of the chemicals found in barns require careful handling and proper disposal. When using these chemicals, be certain to follow these common sense guidelines:

- ◆ Buy only what you need.
- ◆ Treat spills of hoof oils like a fuel spill. Use kitty litter to soak up the oil and dispose of it in a tightly sealed plastic bag.
- ◆ Store pesticides in a locked, dry, well-ventilated area.
- ◆ Protect stored fertilizer and pesticides from rain and surface water.

RESOURCE CONSERVATION DISTRICTS CAN HELP

Call 1-800-506-2555 for assistance with locating a local conservation district that can help you properly manage your manure, re-establish healthy pastures, control weeds, or identify appropriate grasses for your soils.

Thank you for doing your part to protect your watershed, the environment, your pets and your community!



Tips for Horse Care and Barn Keeping



Stormwater Pollution

What you should know...

If not properly managed, rainfall and runoff that come into contact with manure, horse care products, and wash water can carry nutrients, sediment, bacteria, salts, and toxic pollutants to storm

drains and streams, negatively affecting water quality and the environment. Listed below are some environmentally responsible steps to keep in mind when caring for your horses, barns and pastures.

Grooming

- Only use pest control and grooming products (*saddle and tack cleaning and conditioning products, shampoos and conditioners, show shine, hoof polish, etc.*) where needed and avoid use in areas exposed to runoff. Spot-apply pesticides and fungicides to avoid over use and keep from areas exposed to stormwater. Follow instructions on products, use sparingly and clean up spills.
- Store all pest control, grooming, and horse and tack care products in covered areas where they will not come into contact with stormwater, and post signs reminding boarders and staff not to dump any excess products. For proper disposal of unused horse care products, please call **1-800-304-2226** or visit the Riverside County Waste Management Department at **www.rivcowm.org**.
- For indoor wash stalls, ensure that floor drains are connected to septic system or drain to areas where the washwater can soak into the ground. Outside, ensure that washwater can seep into the ground. Always prevent washwater from entering a storm drain or stream. Creating a small berm around the area can prevent washwater from leaving the area.
- Conserving water is an important way to protect streams. Conserve water by using a spray nozzle with an automatic shut-off. Turn off the water when not in use.



Manure Management

Store manure in a covered, enclosed compost bin located in an area that will not result in any drainage or runoff. Where enclosed bins aren't feasible, manure storage sites should be located under a covered area on a nearly flat surface, 50 - 100 feet from any stream or storm drain.

Pasture Management

- Sweep or shovel horse holding areas daily to reduce the tracking of manure and soil. **Do not wash down these areas!**
- Fencing horses out of streams is important to protect surface waters. Locate paddock areas and fencing so horses are kept away from streams. Wherever possible, choose paddock areas where runoff will drain into the ground.
- Plant or allow vegetation to grow around the perimeter of paddock areas to provide for natural filtration of runoff.

Grazing

Over-grazing in a paddock or pasture can lead to exposed soil and soil erosion, which increases runoff to streams and surface waters; allow about one acre per horse and rotate pasturing where possible.

Responsibility for water quality begins with YOU



Using and Disposing of Manure and Bedding

- Compost used bedding and manure. See <http://compostingcouncil.org> for more information.
- Composted bedding and manure may be donated to local greenhouses, nurseries, botanical parks, topsoil companies or composting centers.
- Contact your municipality regarding disposal programs and requirements.
- Always protect stables, storage, and compost stockpiles from runoff by keeping them out of stream courses.

Barn and Stable Design

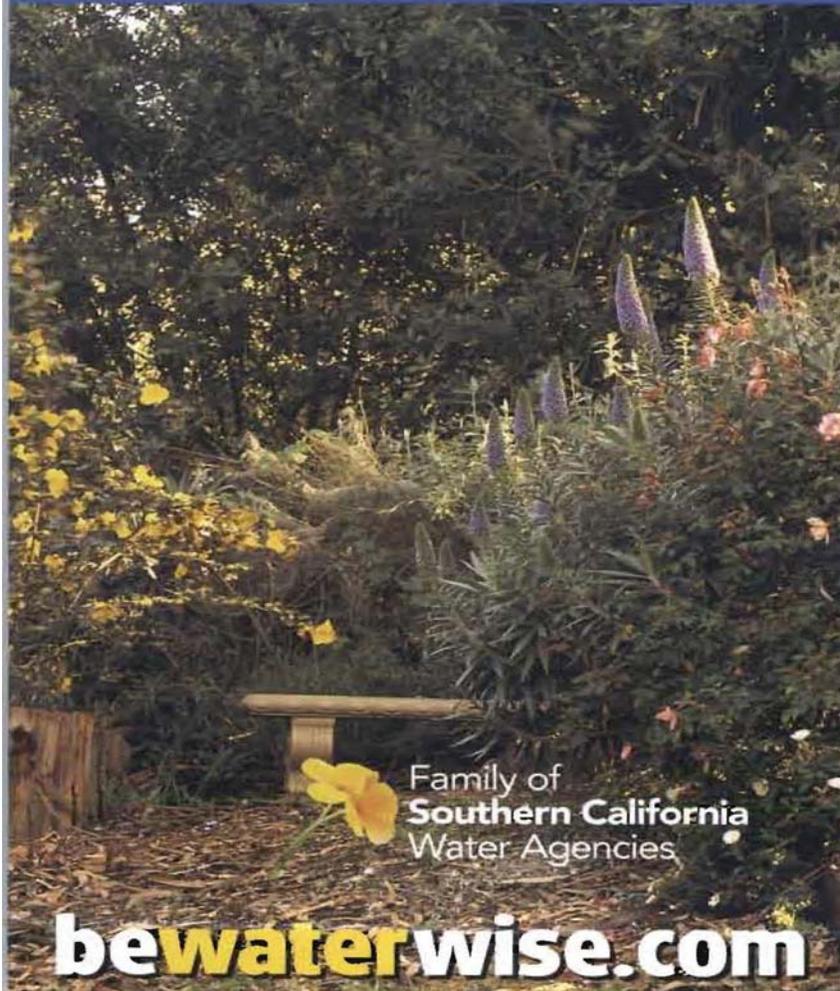
Have your engineer check with your City or County building department for information about stable design requirements and best practices, such as good surfacing materials, manure and care product storage areas, and locating wash and storage areas away from areas that could affect water quality.

Resources

Contact your city or county stormwater representative for any applicable local ordinances.

For more information, Please call Riverside County's "Only Rain Down the Storm Drain" at 1-800-506-2555 or visit the website at rcstormwater.org

10 Ways to **Save** Water Outdoors



Family of
Southern California
Water Agencies

bewater**wise.com**

TIP #1 The average homeowner uses twice the amount of water needed to keep plants healthy. Use the watering calculator and index at bewaterwise.com to know exactly how much water your plants need.

TIP #2 Check your sprinkler system for leaks, overspray and broken sprinkler heads. Update with drip or other more water-efficient sprinklers where appropriate.

TIP #3 This fall, plant a portion of your garden with beautiful native and California Friendly plants. Browse the plant database at bewaterwise.com to find just the right look for your outdoor spaces.

TIP #4 Reduce the amount of water-thirsty grass. Keep only what you need and replace the rest with less-thirsty plants or permeable paving.

TIP #5 For the grass you keep, set your lawnmower blade higher.

TIP #6 Adjust your sprinkler timer downward in September. Plants need less water when days are shorter.

TIP #7 Use a broom instead of the hose for cleaning sidewalks and patios.

TIP #8 Mulch! A layer of bark, gravel, compost, sawdust or low-growing groundcover evens out soil temperature and allows better water retention.

TIP #9 Check the list of invasive plants that hurt our environment at caleppc.org and remove any from your garden.

TIP #10 Share these tips with your gardener, neighbors and friends. Water conservation should be a part of every Southern Californian's lifestyle, but that doesn't mean we can't have lush and beautiful outdoor spaces.

bewaterwise.com

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3341

Printed 8/20/2014 2:21:47 PM

Complaint No: 3341

Complaint Date: 07/29/2013

Received By: Steve Clark

Caller Name: Ray Aguilar

Caller Phone: 951-219-0793

APN: 906030012

Complaint Address: 24275 Jefferson Avenue Murrieta CA 92562

Location: Adjacent to Murrieta Creek MDP - Line F-1

Watershed: Santa Margarita River

Complaint: A plastic/poly barrel that belongs to the Oak Grove Center/Institute (complaint address), was removed from one of the students at this center and thrown over the fence that divides the complaint address with the access road of Murrieta Creek MDP - Line F, a RCFC District facility.

Findings: 7/29/13: Ray Aguilar, Environmental Services Assistant with Oak Grove Center, sent an email to Steve Clark, with the Hydrology Section at the Riverside County Flood Control (RCFC) District, today to notify him that one of the students at the center threw a plastic/poly barrel over the fence that divides the complaint address and the access road of Murrieta Creek MDP - Line F-1. Mr. Aguilar is requesting permission to access the channel/facility road to get the barrel and bring it back to the Oak Grove Center property. Mr. Clark forwarded this email today to David Ortega, of the Watershed Protection Division at the RCFC District.

Other:

Summary Resolution:

Actions: 7/30/13: Mr. Ortega called and spoke to Mr. Aguilar this morning. Mr. Aguilar agreed to meet with Mr. Ortega today at the complaint address to review and complete a RCFC District No Fee Access Permit application. Mr. Ortega drove to the complaint address today and took a few photos of the barrel that is currently located on the access road of the District facility. Mr. Ortega also met with Mr. Aguilar and presented the No Fee Access Permit application. Mr. Aguilar completed the permit application today. Mr. Aguilar also noted that this barrel is used to cover a fire hydrant on site. This barrel is not a hazard in any way while it sits on the Districts access road.
7/31/13: The completed No Fee Access Permit Application, an aerial map of the complaint address, and a photo of the concern was sent to Kamyar Ghods, Permits Section of the RCFC District, today for review and approval.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3349

Printed 8/20/2014 2:21:38 PM

Complaint No: 3349

Complaint Date: 07/31/2013

Received By: David Ortega

Caller Name: John Cussen

Caller Phone: 949-697-9652

APN: 480251019

Complaint Address: 35105 Via Laguna Unincorporated CA 92596

Location: In the Winchester area of Riverside County

Watershed: Santa Margarita River

Complaint: Possible concrete washout runoff from the contractor working at this home. Runoff is going into curb and gutter located in front of this complaint address. The runoff continues down the street and possibly into a storm drain.

Findings: 7/31/13: John Cussen, President of the Dutch Village Master Association, called today and spoke to David Ortega, with the Watershed Protection Division at the Riverside County Flood Control (RCFC) District, about this complaint. Mr. Ortega noticed that there are a few RCFC District facilities in the area of the complaint address. Mr. Ortega stated that to Mr. Cussen that he will go to the complaint address to investigate this complaint.

Other: No other actions needed.

Summary Resolution: Gave out public information pamphlets and verbal information about Riverside County's Stormwater/Cleanwater Program.

Actions: 7/31/13: Mr. Ortega went to the complaint address and checked out the curb and gutter from the complaint address, along Via Liebre, and along Via Santa Catalina. Mr. Ortega was able to trace a possible illegal discharge up to certain point along Via Santa Catalina, before it reached Corte San Pablo. Also, Mr. Ortega was unable to determine if a discharge ever reached a storm drain/catch basin. There was no active discharge nor concrete washout going on at the complaint address when Mr. Ortega arrived on site today. There does appear to be some staining along the curb and gutter from a discharge of some sort that could have occurred earlier today. Mr. Ortega could not determine that a discharge of any kind came from the complaint address today. Mr. Ortega spoke Glenn Sin, homeowner of the complaint address, while on site today. Mr. Ortega noticed that Mr. Sin had a concrete contractor on his property at the time of Mr. Ortega's visit at the complaint address. Mr. Ortega told Mr. Sin that he was there to investigate a complaint about possible illegal discharge of concrete washout from his property. Mr. Ortega also stated to Mr. Sin that he could not determine that a discharge did come from Mr. Sin's address. Mr. Ortega gave Mr. Sin a few public education pamphlets about Riverside County's Stormwater/Cleanwater program. Pamphlets include: After the Storm, Stormwater Pollution and the Solutions, and Stormwater Pollution: Outdoor Cleaning Activities. After Mr. Ortega gave these pamphlets to Mr. Sin, he reminded

Mr. Sin that he is considered the general contractor whenever he has a contractor doing any work at his home. And, if his contractor is going to be washing out concrete (illegal discharge) or other substances down the curb and gutter, he could be the responsible party if any cleanup is needed. Mr. Ortega also stated to Mr. Sin that if he gets called out to this address again, that County Code Enforcement will be coming out to the complaint as well. Mr. Ortega got permission from Mr. Sin to talk to his contractor about this same information. Mr. Ortega briefly spoke to a Roberto, concrete contractor, about Riverside County's concern that only Rain in the Drain is allowed to be washed out into the curb and gutter of residences that he performs any work.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3489

Printed 8/20/2014 2:21:30 PM

Complaint No: 3489

Complaint Date: 07/01/2013

Received By: David Ortega

Caller Name: Steve Clark

Caller Phone: 951-955-1346

APN: 906030012

Complaint Address: 24275 Jefferson Avenue Murrieta CA 92562

Location: Oak Grove Institute (School)

Watershed: Santa Margarita River

Complaint: Possible illicit connected pipes coming from the adjacent complaint address.

Findings: 7/1/13: Steve Clark went to the complaint address to investigate a concern of possible illicit connected pipes (piping). Mr. Clark drove along the access road of the RCFC District facility: Murrieta Creek Master Drainage Plan - Line F-1, just upstream of Lemon Street in the City of Murrieta. Mr. Clark took a couple of photos on site of his investigation of this matter. The photos show a total of 3 different lengths of piping that are daylighting onto the RCFC Districts property. The piping appears to be coming from some sort of drainage area(s) from the adjacent Oak Grove Institute property. It also appears that drainage coming from this piping in the past may have caused some erosion of a dirt side slope on the RCFC Districts property. At the time of the investigation today, Mr. Clark did not see any active discharge of any type coming from this piping. Mr. Clark did not detect any staining and odors of concern coming from this piping either.

Other:

Summary Resolution: Referred to K. Ghods, with the Permits Section at the RCFC District: (951) 955-1266

Actions: 12/9/13: David Ortega, with the Watershed Protection Division at the RCFC District (RCFC), called and spoke to Tom Kadlec, Director of Environmental Services for Oak Grove Institute (School), (951) 677-5599, Extension #2243, regarding this complaint. Mr. Kadlec stated that when the RCFC District installed the adjacent flood control channel, that proper drainage of the school s property was not accomplished from the RCFC. Mr. Kadlec also stated that the current illicit connected piping is to assist in draining the schools property. Mr. Ortega stated to Mr. Kadlec today that, since this matter is not an NPDES concern, that he will be referring this issue to the RCFC Districts Permits Section. David Ortega completed this complaint report and forwarded a copy to K. Ghods, with the RCFC District s Permits Section, (951) 955-1266, for follow up regarding this matter. This complaint is not an NPDES concern. This concern is more of an encroachment issue of the District s facility: Murrieta Creek Master Drainage Plan - Line F-1, just upstream of Lemon Street in the City of Murrieta.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3529

Printed 8/20/2014 2:21:21 PM

Complaint No: 3529

Complaint Date: 01/23/2014

Received By: David Ortega

Caller Name: Robert Laag

Caller Phone: 951-955-1232

APN: 380021023

Complaint Address: 32818 Willow Bay Road Wildomar CA 92595

Location: Adjacent to Wildomar Master Drainage Plan - Lateral B

Watershed: Santa Margarita River

Complaint: A possible illicit connected pipe is daylighting/stubbing out from the bottom of a retaining wall from the complaint address. This is a possible unauthorized encroachment onto the Riverside County Flood Control (RCFC) District's adjacent Wildomar Master Drainage Plan - Lateral B flood control channel.

Findings: 1/23/14: Robert Laag, with the RCFC District, was driving along the Wildomar MDP - Lateral B flood control channel today and discovered this illicit connected piping. He reported his finding to David Ortega, also with the RCFC District, at the end of the work day.

Other:

Summary Resolution: Referred this matter to K. Ghods, with the Permits Sections at the RCFC District

Actions: 1/28/14: David Ortega, with the Watershed Protections Division at the RCFC District, went to the District's Wildomar Master Drainage Plan - Lateral B, located just behind the complaint address. Mr. Ortega took a few photos of what appears to be an illicit connected pipe that is daylighting/stubbing out from the bottom of the retaining wall of the backyard of the complaint address. This piping appears to be an unauthorized encroachment onto the District's facility. It also appears that some discharge has occurred in the past from the piping and onto the adjacent access road of the District's facility by evidence of erosion on the access road. There was no discharge coming from this piping at the time of today's investigation. There does not appear to be any odors nor any staining of concern coming from this piping as well. Mr. Ortega spoke to Ricardo Alvarez at the residence today about this matter. Mr. Ortega gave Mr. Alvarez a few public education pamphlets which include: Guidelines for Maintaining your Swimming Pool, Jacuzzi and Garden Fountain & After the Storm & Stormwater Pollution and the Solutions. Mr. Alvarez stated to Mr. Ortega that he rents this home and the owner is Lupe Alvarez. Mr. Alvarez allowed Mr. Ortega to come into the backyard of this residence. Mr. Ortega showed Mr. Alvarez the drainage pipes from the backyard perimeter and how they drain into the piping that daylights onto the adjacent RCFC District's flood control channel. Mr. Ortega stated to M. Alvarez that this could be considered as an unauthorized encroachment. Mr. Ortega also stated to Mr. Alvarez

that his backyard drainage needs to drain out to the front of this residence; into the curb and gutter. Mr. Alvarez asked Mr. Ortega how can this be accomplished. Mr. Ortega referred Mr. Alvarez to contact the Building and Safety Department at the City of Wildomar to get some guidance and direction about proper drainage at this residence.

1/29/14: Mr. Ortega completed this complaint report and referred this matter to Kamyar Ghods, with the Permits Section at the RCFC District. Mr. Ortega also sent a copy of this report and photos to Matt Bennett, with the Public Works Department at the City of Wildomar.

1/30/14: Matt Bennett, with the Public Works Department at the City of Wildomar sent a letter to the complaint address with the subject of: Stormwater Compliance Violation - Illicit Connection/Illegal Discharge

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3562

Printed 8/20/2014 2:21:14 PM

Complaint No: 3562

Complaint Date: 02/12/2014

Received By: Steve Horn

Caller Name: Anonymous

Caller Phone: -

APN:

Complaint Address: 35020 Corte de Oro Unincorporated CA 92596

Location: *The address for the complaint may not be correct.

Watershed: Santa Margarita River

Complaint: The San Diego Regional Water Quality Control Board is forwarding an anonymous complaint to the County (Steve Horn) stating that a neighbor that has recently moved in is operating a motocross business from home. The complaint describes that the neighbor pressure washes six to ten motor cycles every week in the street in front of the house, causing the sediments, oils, grease and gas to run off into the storm drains.

Steve Horn forwarded the complaint to Jason Uhley/David Garcia. Jason Uhley forwarded the complaint to Kahlil Amin for further follow up.

Findings:

Other:

Summary Resolution:

Actions: On 2/13/2014 at 1:15 Kahlil Amin (Watershed Protection Division, RCFCWCD) contacted code enforcement for the Winchester area and spoke with Nicky Wapner (951-696-1663). Nicky described that her staff had also received a very similar complaint for that same address. The code enforcement Report # is 10426. However, code enforcement staff could not locate the address and closed the complaint and responded to the complainant that an investigation has not been initiated because the address could not be found. Kahlil Amin asked Nicky W. to contact RCFC if she finds out additional information about the complaint.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3565

Printed 8/20/2014 2:21:07 PM

Complaint No: 3565

Complaint Date: 02/18/2014

Received By: Florence Mowrer

Caller Name: Chiara Clemente

Caller Phone: 619-521-3371

APN: 480250009

Complaint Address: 35028 Corte De Oro Unincorporated CA 92596

Location:

Watershed: Santa Margarita River

Complaint: A report of an illicit discharge to the MS4 came into the San Diego Regional Water Quality Control Board (SDRWQCB). A resident emailed the SDRWQCB a few photos along with text describing a possible illicit discharge into the nearby MS4 in their neighborhood.

Findings: 2/18/14: Florence Mowrer, with Watershed Protection Division of the Riverside County Flood Control (RCFC) District, received an email today from Chiara Clemente, with the San Diego Regional Water Quality Control Board, regarding this complaint. A resident sent Ms. Clemente an email on 2/11/14 that states: "I am sending you some pictures of a group that recently rented a home in my neighborhood (Capistano) here in French Valley. As you can see they have several very large vans and trailers (slab sided vehicles) to accommodate the motocross business they operate. They pressure wash the many motorcycles in the street in front of the house, causing sediments, oil, grease and gas to be washed down our storm drains, contaminating the lakes and reservoirs they are routed to. Mia Raines is the owner of the property at 35028 Corte De Oro, Winchester, CA. 92596. I believe that there are several rules in our CC&R`s that is being ignored. Please help to solve this problem." Ms. Mowrer forwarded a copy of this email today to David Ortega, also with the RCFC District.

Other: 2/19/14: Steve Horn, with the Riverside County Executive Office, sent an email today to Chiara Clemente, with the San Diego Regional Water Quality Control Board, that states: `Our code enforcement staff made contact with the renter last Friday and informed them via verbal warning and educational brochures to stop immediately. Code Enforcement will continue to monitor the situation to ensure no further violations occur.`

Summary Resolution:

Actions: 2/19/14: David Ortega, with the Watershed Protection Division at the RCFC District, read the email that Florence Mowrer forwarded to him today regarding this complaint about an illicit discharge. Mr. Ortega called and spoke to Chiara Clemente, with the San Diego Regional Water Quality Control Board about this complaint. Ms. Clemente stated that she wanted to know which agency will be

handling the investigation regarding this complaint. Mr. Ortega told Ms. Clemente that since it appears that a RCFC District facility is nearby this complaint address (Warm Springs Valley - Corte San Pablo Storm Drain), that he will be going to the complaint address today to investigate if any mud or dirt has impacted the RCFC District facility. Mr. Ortega went to the complaint address and first noticed visible dirt, and possibly some dried up mud along the curb and gutter as well as in the street in front of the house. Mr. Ortega took a few photos of this possible evidence of an illicit discharge that may have come from the complaint address. Mr. Ortega knocked on the front door of the complaint address and spoke to Douglas Kevan, who stated that he is renting this home. Mr. Ortega stated to Mr. Kevan that he is on site today to investigate a complaint about someone washing off mud and dirt from motorcycles at this address. Mr. Ortega gave Mr. Kevan a few Public Education pamphlets regarding this investigation of a possible illicit discharge: After the Storm, Stormwater Pollution and Solutions, and Storm drain pollution prevention regarding outdoor cleaning activities. Mr. Kevan stated that Ms. Wapner, with County Code Enforcement, visited him recently regarding this matter of an illicit discharge. Mr. Ortega then followed the curb and gutter in this neighborhood and determined that any flows from the complaint address will flow to a storm drain located near the corner of Corte San Pablo and Via Santa Catalina: Warm Springs Valley - Corte San Pablo Storm Drain (a RCFC District facility). Mr. Ortega called and spoke briefly to Nicole Wapner, with County Code Enforcement, regarding this matter. Ms. Wapner stated that she visited the complaint address and spoke to Mr. Kevan on 2/14/14 regarding the complaint about a possible illicit discharge of dirt and mud into the street due to washing off motorcycles. Mr. Ortega requested a copy of Ms. Wapner`s investigation report regarding this matter. Ms. Wapner stated to Mr. Ortega that he send her his complaint report regarding this complaint first. She would like her supervisor to review it first before they can send the County Code Enforcement investigation report to Mr. Ortega at the RCFC District.

3/3/14: Mr. Ortega completed this preliminary complaint report today and emailed a copy of it to Ms. Clemente at the SDRWQCB and to Ms. Wapner at County Code Enforcement.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3594

Printed 8/20/2014 2:20:58 PM

Complaint No: 3594
Complaint Date: 07/06/2013
Received By: David Ortega
Caller Name: So Cal Edison (SCE)
Caller Phone: -
APN: 966020009
Complaint Address: 43904 Brookhaven Court Unincorporated CA 92592
Location:
Watershed: Santa Margarita River
Complaint: 3 gallons of mineral oil, non PCB, was released onto the pad and surrounding soil of a pad mounted transformer that suffered a mechanical failure. It is unknown if release is contained and cleanup is underway. No waterways have been impacted.
Findings: 7/6/13: SCE called the Governors Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #13-4179, regarding this incident. The OES report states that no water was involved from this release. The OES report also states that this will be cleaned up by a contractor. The Riverside County Environmental Health Department and CUPA were notified about this incident. The nearest Riverside County Flood Control District facility is located less than 0.1 mile to the south of the complaint address: Temecula Creek Channel. 0901 hours: A situation update came into the OES regarding this release. Called to update status and amount: Clean up has been completed. Total release was 1 gallon.
Other: No other actions needed.
Summary Resolution: Not an RCFC District response.
Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3598

Printed 8/20/2014 2:20:48 PM

Complaint No: 3598
Complaint Date: 07/08/2013
Received By: David Ortega
Caller Name: Metropolitan Water Dist. (MWD)
Caller Phone: -
APN: 964060001
Complaint Address: 33740 Borel Road Unincorporated CA 92596
Location: Located in the Winchester area of Riverside County
Watershed: Santa Margarita River
Complaint: Caller (MWD) states that during testing of repairs the temperature test plug failed resulting in the release. of an unknown amount of chlorine gas. Caller states the release contained 10 ppm of chlorine. Caller states the scrubbers activated. Caller states there was no release to the atmosphere. No injuries or evacuations.
Findings: 7/8/13: MWD called the Governor s Office Emergency Services to report this release. The OES issued a Hazardous Materials Spill Report, Control #13-4226, regarding this incident. The OES report states that no water was involved from this release. The OES report also states that the substance was contained. The Riverside County Environmental Health Department was notified about this incident. The nearest Riverside County Flood Control District facility is located about 0.6 mile to the west of the complaint APN: Warm Springs Valley - Maddalena Road Storm Drain. NOTE: The complaint APN listed is a reference APN only.
Other: No other actions needed.
Summary Resolution: Not an RCFC District response.
Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3601

Printed 8/20/2014 2:20:38 PM

Complaint No: 3601
Complaint Date: 07/11/2013
Received By: David Ortega
Caller Name: International Rectifier
Caller Phone: -
APN: 921020043
Complaint Address: 41915 Business Park Drive Temecula CA 92590
Location:
Watershed: Santa Margarita River
Complaint: 15 gallons of solvent waste mixture was released due to a storage tank that was over filled.
Findings: 7/11/13: International Rectifier called the Governor s Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #13-4283, regarding this incident. The OES report states that no water was involved from this release. The OES report also states that the substance was contained and cleaned up by the responsible party. The Riverside County Environmental Health was notified about this incident. The nearest Riverside County Flood Control District facility is located about 0.6 mile to the southeast of the complaint address: Murrieta Creek Channel.
Other: No other actions needed.
Summary Resolution: Not an RCFC District response.
Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3626

Printed 8/20/2014 2:20:31 PM

Complaint No: 3626

Complaint Date: 07/29/2013

Received By: David Ortega

Caller Name: So Cal Edison (SCE)

Caller Phone: -

APN: 908020003

Complaint Address: 29130 Wrangler Drive Murrieta CA 92563

Location:

Watershed: Santa Margarita River

Complaint: 5 gallons of mineral oil, non PCB, was released onto soil and concrete due to a pad mount transformer that suffered a mechanical failure. The release is contained and cleanup is scheduled for tomorrow. No waterways have been impacted.

Findings: 7/29/13: SCE called the Governors Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #13-4668, regarding this incident. The OES report states that no water was involved from this release. The OES report also states that the substance was contained and cleaned up by a contractor. The Riverside County Environmental Health Department and Riverside Co CUPA were notified about this incident. The nearest Riverside County Flood Control District facility is located about 0.5 mile to the southeast of the complaint address: Warm Springs Valley - Hunter Road Storm Drain.
7/30/13, 0744 hours: A situation update came into the OES regarding this release. Total amount released was 45 gallons and clean up was completed.

Other: No other actions needed.

Summary Resolution: Not an RCFC District response.

Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3630

Printed 8/20/2014 2:20:22 PM

Complaint No: 3630
Complaint Date: 07/31/2013
Received By: David Ortega
Caller Name: Southern California Edison (SCE)
Caller Phone: -
APN: 921371013
Complaint Address: 42051 Orange Blossom Drive Temecula CA 92591
Location:
Watershed: Santa Margarita River
Complaint: 20 gallons of non-PCB mineral oil was released onto soil, concrete, and gravel due to an equipment failure on a pad-mount transformer. An outside contractor is en route for clean up.
Findings: 7/31/13: SCE called the Governors Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #13-4728, regarding this incident. The OES report states that no water was involved from this release. The OES report also states that the substance was contained and cleaned up by Double Barrel Contractor. The Riverside County Environmental Health Department was notified about this incident. The nearest Riverside County Flood Control District facility is located about 0.2 mile to the south of the complaint APN: Long Valley Wash Channel. NOTE: The complaint APN listed in this report is a reference APN only.
Other: No other actions needed.
Summary Resolution: Not an RCFC District response.
Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3643

Printed 8/20/2014 2:20:04 PM

Complaint No: 3643
Complaint Date: 08/13/2013
Received By: David Ortega
Caller Name: NRC
Caller Phone: -
APN: 910290008
Complaint Address: 40635 Winchester Road Temecula CA 92591
Location:
Watershed: Santa Margarita River
Complaint: 16 ounces of gasoline was released. Per NRC Report #1057027: The caller (Chevron) reported that gasoline discharged from the dispenser due to the automatic shut-off not engaging. Cleanup completed.
Findings: 8/13/13: Chevron called the NRC regarding this incident. NRC called the Governors Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #13-5004, regarding this incident. The OES report states that no water was involved from this release. The OES report also states that the substance was contained and cleaned up by the reporting party. The Riverside County Environmental Health Department was notified about this incident. The nearest Riverside County Flood Control District facility is located less than 0.1 mile to the west, northwest of the complaint address: Santa Gertrudis Creek Channel. 1836 hours: A situation update came into the OES regarding this release. Reporting party called in to report spill with no new information.
Other: No other actions needed.
Summary Resolution: Not an RCFC District response.
Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3644

Printed 8/20/2014 2:19:56 PM

Complaint No: 3644
Complaint Date: 08/13/2013
Received By: David Ortega
Caller Name: Rancho California Water District
Caller Phone: -
APN: 949100027
Complaint Address: Murrieta CA 92562
Location: Intersection of California Oaks Road and Interstate 15 Freeway, along easement parallel to the freeway.
Watershed: Santa Margarita River
Complaint: 2,000 gallons of raw sewage was released. Caller (Rancho California Water District) states a debris blockage (rock in the line due to vandalism) on a sewer main line resulted in the release of substance out of a man hole. An estimated 1,500 gallons of the release is in the process of being returned into the sewer system and the remaining 500 gallons went into an unknown creek.
Findings: 8/13/13: Rancho California Water District called the Governors Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #13-5006, regarding this incident. The OES report states that no drinking water was impacted from this release, however water was involved in an unknown creek. The Riverside County Environmental Health Department was notified about this incident. The nearest Riverside County Flood Control District facility is located less than 0.1 mile to the southeast of the complaint APN: Murrieta Creek Master Drainage Plan - Line E-1. NOTE: The complaint APN listed in this report is a reference APN only.
Other: No other actions needed.
Summary Resolution: Not an RCFC District response.
Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3662

Printed 8/20/2014 2:19:49 PM

Complaint No: 3662

Complaint Date: 08/28/2013

Received By: David Ortega

Caller Name: Metropolitan Water Dist (MWD)

Caller Phone: -

APN: 964060001

Complaint Address: 33740 Borel Road Unincorporated CA 92596

Location: Lake Skinner Water Treatment Plant

Watershed: Santa Margarita River

Complaint: An unknown amount of chlorine vapor was released. RP (MWD) states that a small amount of chlorine vapor released into the chlorine containment room from a fitting while mechanics were performing a chlorine tank activation. Caller states that the level of chlorine in the air was 3 ppm and the levels dissipated 15 minutes after scrubbers were activated. No waterways have been impacted.

Findings: 8/28/13: MWD called the Governor s Office Emergency Services to report this release. The OES issued a Hazardous Materials Spill Report, Control #13-5370, regarding this incident. The OES report states that no water was involved from this release. The OES report also states that the substance was contained and is considered unrecoverable. The Riverside County Environmental Health Department and the Riverside Co CUPA were notified about this incident. The nearest Riverside County Flood Control District facility is located about 0.6 mile to the west of the complaint APN: Warm Springs Valley - Maddalena Road Storm Drain. NOTE: The complaint APN listed is a reference APN only.

Other: No other actions needed.

Summary Resolution: Not an RCFC District response.

Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3664

Printed 8/20/2014 2:19:42 PM

Complaint No: 3664
Complaint Date: 08/29/2013
Received By: David Ortega
Caller Name: Southern California Edison (SCE)
Caller Phone: -
APN: 904701003
Complaint Address: 38318 Pine Creek Place Murrieta CA 92562
Location:
Watershed: Santa Margarita River
Complaint: 10 gallons of non PCB mineral oil was released onto a residential lawn and concrete due to an equipment failure on a pad-mount transformer (2000). An outside contractor is en route for clean up.
Findings: 8/29/13: SCE called the Governors Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #13-5414, regarding this incident. The OES report states that no water was involved from this release. The OES report also states that the substance was contained and cleaned up by Patriot Environmental Contractor. The Riverside County Environmental Health Department was notified about this incident. The nearest Riverside County Flood Control District facility is located about 0.55 mile to the northeast of the complaint address: Murrieta Creek Master Drainage Plan - Line G.
Other: No other actions needed.
Summary Resolution: Not an RCFC District response.
Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3666

Printed 8/20/2014 2:19:34 PM

Complaint No: 3666
Complaint Date: 09/01/2013
Received By: David Ortega
Caller Name: So Cal Edison (SCE)
Caller Phone: 0-
APN: 959270003
Complaint Address: 43736 Alcoba Drive Temecula CA 92592
Location:
Watershed: Santa Margarita River
Complaint: 30 gallons of mineral oil, non PCB, was released from a pad mount (2000) transformer that failed due to a mechanical failure. The release was onto the ground and the release is contained and cleanup is in progress by a contractor, Double Barrel. No waterway`s and/or drains effected.
Findings: 9/1/14: SCE called the Governors Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #13-5473. regarding this incident. The OES report states that no water was involved from this release. The OES report also states that the substance was contained and cleaned up by a contractor. The Riverside County Environmental Health Department was notified about this incident. The nearest Riverside County Flood Control District facility is located less than 0.1 mile to the east of the complaint address: Temecula Creek Channel - Alcoba Drive Storm Drain.
Other: No other actions needed.
Summary Resolution: Not an RCFC District response.
Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3667

Printed 8/20/2014 2:19:27 PM

Complaint No: 3667
Complaint Date: 09/01/2013
Received By: David Ortega
Caller Name: So Cal Edison (SCE)
Caller Phone: -
APN: 959252036
Complaint Address: 32961 Valence Court Temecula CA 92592
Location:
Watershed: Santa Margarita River
Complaint: 40 gallons of mineral oil, non PCB, was released from a pad mount (2000) transformer that failed due to a mechanical failure. The release was onto the ground and the release is contained and cleanup will be done by a contractor, Double Barrel. No waterway`s and/or drains effected.
Findings: 9/1/13: SCE called the Governors Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #13-5474, regarding this incident. The OES report states that no water was involved from this release. The OES report also states that the substance was contained and cleaned up by a contractor. The Riverside County Environmental Health Department was notified about this incident. The nearest Riverside County Flood Control District facility is located about 0.15 mile to the east of the complaint address: Temecula Creek Channel - Alcoba Drive Storm Drain.
Other: No other actions needed.
Summary Resolution: Not an RCFC District response.
Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3680

Printed 8/20/2014 2:19:11 PM

Complaint No: 3680
Complaint Date: 09/10/2013
Received By: David Ortega
Caller Name: Eastern Municipal Water Dist (EMWD)
Caller Phone: -
APN: 922053035
Complaint Address: Temecula CA 92592
Location: Pujol Street and 6th Street
Watershed: Santa Margarita River
Complaint: 1,000 gallons of sewage was released to a soil area and then into Murrieta Creek. Caller (EMWD) states that the substance is releasing from an air-vac.
Findings: 9/10/13: EMWD called the Governors Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #13-5678, regarding this incident. The OES report states that no drinking water was impacted from this release, however water was involved in Murrieta Creek. The OES report also states that the substance was not contained and will be cleaned up by the reporting party (EMWD). A collections crew was on scene concerning this incident. The Riverside County Environmental Health Department was notified about this release. The nearest Riverside County Flood Control District facility is located about 0.1 mile to the northeast of the complaint location: Murrieta Creek Channel. NOTE: The complaint APN listed in this report is a reference APN only.
Other: No other actions needed.
Summary Resolution: Not an RCFC District response.
Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3695

Printed 8/20/2014 2:18:54 PM

Complaint No: 3695

Complaint Date: 09/20/2013

Received By: David Ortega

Caller Name: Eastern Water Municipal District

Caller Phone: -

APN: 921020001

Complaint Address: 42565 Avenida Alvarado Temecula CA 92590

Location: Temecula Valley Regional Water Reclamation Facility

Watershed: Santa Margarita River

Complaint: 100 gallons of sodium hydroxide, 25% was released. RP states that a tank is leaking at a cracked shut off valve flange resulting in the release of approximately 100 gallons of sodium hydroxide into secondary containment. Caller states the release is still flowing at the time of this report at approximately 4 to 5 gallons per minute. Caller states that the released substance is actively being pumped into a second tank for containment. No waterways have been impacted.

Findings: 9/20/13: Eastern Water Municipal District called the Governors Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #13-5927, regarding this incident. The OES report states that no water was involved from this release. The OES report also states that the substance was 50% contained. Clean up will be performed by the reporting party (Eastern Water Municipal District). The Riverside County Environmental Health Department and Riverside Co CUPA were notified about this incident. The nearest Riverside County Flood Control District facility is located about 0.5 mile to the northeast of the complaint APN: Murrieta Creek Channel. NOTE: The complaint APN listed in this report is a reference APN only. 1416 hours: A situation update came into the OES regarding this release. Per NRC Report# 1060793: Caller is reporting a release of 20 percent strength caustic soda into a concrete containment area from a storage tank at a wastewater treatment plant. The caustic soda starting leaking this morning and this didn't reach the RQ but they are pumping it into a tank that is not leaking. The storage tank is leaking at the valve; it won't shut off. Remedial Actions: Pumping into another tank. When tank is emptied it will be repaired.

Other: No other actions needed.

Summary Resolution: Not an RCFC District response.

Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3719

Printed 8/20/2014 2:18:46 PM

Complaint No: 3719
Complaint Date: 10/21/2013
Received By: David Ortega
Caller Name: NRC
Caller Phone: -
APN: 955141034
Complaint Address: 43225 Corte Almonte Temecula CA 92592
Location:
Watershed: Santa Margarita River
Complaint: Per NRC Report# 1063550: Caller stated that a drunk driver ran into a garage and struck a meter which ignited and caused the garage to catch fire and this released an unknown amount of natural gas into the atmosphere. Remedial Actions per NRC: Shut the meter off.
Findings: 10/21/13: So Cal Gas Co. called the MRC to report this incident. The NRC called the Governors Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #13-6536, regarding this incident. The OES report states that no water was involved from this release. The OES report also states that the substance was contained and is considered unrecoverable. The Fire Department was on scene concerning this incident. The Riverside County Environmental Health Department and NRC were notified about this release. The nearest Riverside County Flood Control District facility is located about 0.3 mile to the east, northeast of the complaint address: Murrieta Valley - Paloma Del Sol Storm Drains. 1009 hours: A situation update came into the OES regarding this incident. Per the RP, the eight people evacuated earlier were allowed to return to their homes at approximately 0730 hours.
Other: No other actions needed.
Summary Resolution: Not an RCFC District response.
Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3723

Printed 8/20/2014 2:18:32 PM

Complaint No: 3723
Complaint Date: 10/25/2013
Received By: David Ortega
Caller Name: Circle K Env Group
Caller Phone: -
APN: 948500003
Complaint Address: 39850 Los Alamos Road Murrieta CA 92562
Location:
Watershed: Santa Margarita River
Complaint: 5 gallons of gasoline was released onto the ground due to a customer that did not realize that there was a hole in the vehicle gas tank. Cleanup completed by store personnel with local Fire Department. No waterways/drains effected.
Findings: 10/25/13: Circle K Env Group called the Governors Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #13-6638, regarding this incident. The OES report states that no water was involved from this release. The OES report also states that the substance was contained and cleaned up by the reporting party (Circle K Env Group). The Fire Department was on scene concerning this incident. The Riverside County Environmental Health Department was notified about this release. The nearest Riverside County Flood Control District facility is located about 0.4 mile to the south, southeast of the complaint APN: Murrieta Valley - I-215 Retention Basin. NOTE: The complaint APN listed in this report is a reference APN only.
Other: No other actions needed.
Summary Resolution: Not an RCFC District response.
Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3731

Printed 8/20/2014 2:18:23 PM

Complaint No: 3731
Complaint Date: 11/04/2013
Received By: David Ortega
Caller Name: Metropolitan Water District of So. CA (MWD)
Caller Phone: -
APN: 964060001
Complaint Address: 33740 Borel Road Unincorporated CA 92596
Location: Chlorine Containment Building at the Lake Skinner Treatment Plant
Watershed: Santa Margarita River
Complaint: An unknown amount of chlorine gas (10 ppm) was released during a repair on a ruptured disc.
Findings: 11/4/13: MWD called the Governor s Office Emergency Services to report this release. The OES issued a Hazardous Materials Spill Report, Control #13-6824, regarding this incident. The OES report states that no water was involved from this release. The OES report also states that the substance was contained. The Riverside County Environmental Health Department and the Riverside Co Hazmat were notified about this incident. The nearest Riverside County Flood Control District facility is located about 0.6 mile to the west of the complaint APN: Warm Springs Valley - Maddalena Road Storm Drain. NOTE: The complaint APN listed is a reference APN only.
Other: No other actions needed.
Summary Resolution: Not an RCFC District response.
Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3740

Printed 8/20/2014 2:18:08 PM

Complaint No: 3740
Complaint Date: 11/12/2013
Received By: David Ortega
Caller Name: EMWD
Caller Phone: -
APN: 944335039
Complaint Address: Temecula CA 92592
Location:
Watershed: Santa Margarita River
Complaint: 475 gallons of sewage was released due to a sewer backup that was caused from a secondary bulkhead not being removed.
Findings: 11/12/13: EMWD called the Governors Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #13-6979, regarding this incident. The OES report states that no water and no drinking water was involved and/or impacted from this release. The OES report also states that the substance was contained and cleaned up by the reporting party (EMWD). The Riverside County Environmental Health Department was notified about this incident. The nearest Riverside County Flood Control District facility is located about 0.45 mile to the southwest of the complaint APN: Murrieta Creek Channel. NOTE: The complaint APN listed in this report is a reference APN only.
Other: No other actions needed.
Summary Resolution: Not an RCFC District response.
Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3749

Printed 8/20/2014 2:18:02 PM

Complaint No: 3749
Complaint Date: 11/19/2013
Received By: David Ortega
Caller Name: International Rectifier
Caller Phone: -
APN: 921020043
Complaint Address: 41915 Business Park Drive Temecula CA 92590
Location: FAB 1 basement.
Watershed: Santa Margarita River
Complaint: 30 gallons of mixed solvent waste was released. RP (International Rectifier) states that a waste lift station tank overflowed due to unknown reasons resulting in the release of 30 gallons of mixed solvent waste into secondary containment. The release is contained and cleanup is complete. No waterways have been impacted.
Findings: 11/19/13: International Rectifier called the Governors Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #13-7136, regarding this incident. The OES report states that no water was involved from this release. The OES report also states that the substance was contained and cleaned up by the reporting party (International Rectifier). The Riverside County Environmental Health Department was notified about this incident. The nearest Riverside County Flood Control District facility is located about 0.6 mile to the southeast of the complaint address: Murrieta Creek Channel.
Other: No other actions needed.
Summary Resolution: Not an RCFC District response.
Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3750

Printed 8/20/2014 2:17:54 PM

Complaint No: 3750
Complaint Date: 11/19/2013
Received By: David Ortega
Caller Name: International Rectifier
Caller Phone: -
APN: 921020043
Complaint Address: 41915 Business Park Drive Temecula CA 92590
Location: FAB 1 basement
Watershed: Santa Margarita River
Complaint: RP (International Rectifier) states that a solvent waste lift station tank overflowed due to a faulty tank level sensor resulting in the release of 40 gallons of mixed solvent waste into secondary containment. The release is contained and cleanup is complete. No waterways have been impacted.
Findings: 11/19/13: International Rectifier called the Governors Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #13-7138, regarding this incident. The OES report states that no water was involved from this release. The OES report also states that the substance was contained and cleaned up by the reporting party (International Rectifier). The Riverside County Environmental Health Department was notified about this incident. The nearest Riverside County Flood Control District facility is located about 0.6 mile to the southeast of the complaint address: Murrieta Creek Channel.
Other: No other actions needed.
Summary Resolution: Not an RCFC District response.
Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3763

Printed 8/20/2014 2:17:45 PM

Complaint No: 3763

Complaint Date: 12/06/2013

Received By: David Ortega

Caller Name: S CA Edison (SCE)

Caller Phone: -

APN: 367040038

Complaint Address: Wildomar CA 92595

Location: Bundy Canyon Road at Orange Street

Watershed: Santa Margarita River

Complaint: 95 lbs. of sulfur hexafluoride, SF6 was released due to a switch that failed. The material vented directly into the atmosphere inside a vault. A contractor is handling containment and clean up.

Findings: 12/6/13: SCE called the Governors Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #13-7477, regarding this incident. The OES report states that no water was involved from this release. The OES report also states that the substance was contained and cleaned up by a contractor. The Riverside County Environmental Health Department was notified about this incident. The nearest Riverside County Flood Control District facility is located about 0.3 mile to the east of the complaint location: Sedco Master Drainage Plan - Sedco Basin. NOTE: The complaint APN listed in this report is a reference APN only.
12/9/13, 0838 hours: A situation update came into the OES regarding this release. Caller is correcting the amount released to 9.5 lbs., not 95 lbs.

Other: No other actions needed.

Summary Resolution: Not an RCFC District response.

Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3766

Printed 8/20/2014 2:17:35 PM

Complaint No: 3766
Complaint Date: 12/06/2013
Received By: David Ortega
Caller Name: NRC
Caller Phone: -
APN: 906681021
Complaint Address: Murrieta CA 92562
Location: Karen Place
Watershed: Santa Margarita River
Complaint: Per NRC Report #1067781: The caller stated that a large military style truck is leaking an unknown material directly into the storm drain. The caller stated that this has been ongoing for 1 week.
Findings: 12/6/13: The NRC called the Governors Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #13-7490, regarding this incident. The OES report states that it is unknown if any drinking water was impacted from this release, however water was involved in a storm drain that leads to Murrieta Creek. The OES report also states that it is unknown if the substance was contained or cleaned up. The Riverside City Fire Department and the Riverside County Environmental Health Department were notified about this incident. The nearest Riverside County Flood Control District facility is located about 0.4 mile to the southeast of the complaint APN: Murrieta Creek Master Drainage Plan - Line G. NOTE: The complaint APN listed in this report is a reference APN only.
Other: No other actions needed.
Summary Resolution: Not an RCFC District response.
Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3782

Printed 8/20/2014 2:17:21 PM

Complaint No: 3782
Complaint Date: 12/21/2013
Received By: David Ortega
Caller Name: NRC
Caller Phone: 0-
APN: 922100034
Complaint Address: Temecula CA 92592
Location: On Pujol Street at cross of 1st Street
Watershed: Santa Margarita River
Complaint: Caller (NRC) is reporting a discharge of 20 gallon of diesel fuel from a fitting on a diesel stand by power generator. The cause is unknown.
Findings: 12/21/13: Eastern Municipal Water District (EMWD) called the NRC to report this incident. The NRC called the Governors Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #13-7824, regarding this incident. NRC Report #1069196. The OES report states that no water was involved from this release. The OES report also states also states that the substance was contained and cleaned up by the responsible party. The Riverside County Environmental Health Department and NRC were notified about this incident. The nearest Riverside County Flood Control District facility is located less than 0.1 mile to the east, northeast of the complaint location: Murrieta Creek Channel. NOTE: The complaint APN listed in this report is a reference APN only.
Other: No other actions needed.
Summary Resolution: Not an RCFC District response.
Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3784

Printed 8/20/2014 2:17:12 PM

Complaint No: 3784
Complaint Date: 12/26/2013
Received By: David Ortega
Caller Name: NRC
Caller Phone: -
APN: 949550018
Complaint Address: 40500 California Oaks Road Murrieta CA 92562
Location:
Watershed: Santa Margarita River
Complaint: This is a Historical Report; the incident date occurred on 12/20/13. Per NRC Report #1069450: The caller reported that 5 to 6 gallons of gasoline discharged from a passenger vehicle during fueling (overfill).
Remedial Actions: Cleanup was completed by crews onsite.
Additional Info: The caller will notify CA-OES.
Findings: 12/26/13: Chevron called the NRC to report this incident. The NRC called the Governors Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #13-7873, regarding this incident. The OES report states that no water was involved from this release. The OES report also states that the substance was contained and cleaned up by onsite personnel. The Riverside County Environmental Health Department was notified about this incident. The nearest Riverside County Flood Control District facility is located just south of, and adjacent to, the complaint address: California Oaks - Line A.
12/26/13, 0739 hours: A situation update came into the OES regarding this release. Called wanted to ensure the report had been called in.
Other: No other actions needed.
Summary Resolution: Not an RCFC District response.
Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3790

Printed 8/20/2014 2:17:04 PM

Complaint No: 3790
Complaint Date: 01/10/2014
Received By: David Ortega
Caller Name: NRC
Caller Phone: -
APN: 944283009
Complaint Address: 42351 Agena Street Temecula CA 92592
Location:
Watershed: Santa Margarita River
Complaint: Per NRC Report #1070767: Caller is reporting that the SRP was pouring fuel into a mobil home and spilled some onto the ground. Caller stated there was no clean-up and there is stains in the street from the fuel.
Findings: 1/10/14: NRC called the Governors Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #14-0183, regarding this incident. The OES report states that no water was involved from this release. The OES report also states that it is unknown if the substance was contained. It is also unknown if any impact occurred due to this incident. The Riverside County Environmental Health Department and NRC were notified about this release. The nearest Riverside County Flood Control District facility is located about 0.4 mile to the northeast of the complaint address: Temecula Valley - Margarita Road Storm Drains.
Other: No other actions needed.
Summary Resolution: Not an RCFC District response.
Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3800

Printed 8/20/2014 2:16:53 PM

Complaint No: 3800
Complaint Date: 01/19/2014
Received By: David Ortega
Caller Name: SoCal Edison (SCE)
Caller Phone: -
APN: 922093003
Complaint Address: 28822 Old Town Front Street Temecula CA 92590
Location:
Watershed: Santa Margarita River
Complaint: 2 gallons of mineral oil, non PCB, was released. Per the caller (SCE) a mechanical equipment failure of a pad mounted transformer caused the spill.
Findings: 1/19/14: SCE called the Governors Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #14-0337, regarding this incident. The OES report states that no water and no drinking water was involved and/or impacted from this release. The OES report also states that the substance was contained and cleaned up by a contractor. The Riverside County Environmental Health Department and CUPA were notified about this incident. The nearest Riverside County Flood Control District facility is located less than 0.1 mile to the west of the complaint address: Murrieta Creek Channel.
Other: No other actions needed.
Summary Resolution: Not an RCFC District response.
Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3801

Printed 8/20/2014 2:16:12 PM

Complaint No: 3801
Complaint Date: 01/20/2014
Received By: David Ortega
Caller Name: NRC
Caller Phone: -
APN: 949600034
Complaint Address: 24625 Madison Avenue Murrieta CA 92562
Location:
Watershed: Santa Margarita River
Complaint: Per NRC Report #1071621: Caller (Chevron) is reporting that a staff member discovered a gas spill from a customer overfill incident with a spill of about 16 ounces on the ground. The customer was already gone. Remedial Actions: Contained and cleaned with a spill response kit.
Findings: 1/20/14: Chevron called the NRC to report this incident. The NRC called the Governors Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #14-0340, regarding this incident. The OES report states that no water and no drinking water was involved and/or impacted from this release. The OES report also states that the substance was contained and cleaned up by the reporting party. The Riverside County Environmental Health Department and the NRC were notified about this incident. The nearest Riverside County Flood Control District facility is located along the eastern end of this property: Murrieta Creek Master Drainage Plan - Line E-1.
Other: No other actions needed.
Summary Resolution: Not an RCFC District response.
Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3812

Printed 8/20/2014 2:16:02 PM

Complaint No: 3812
Complaint Date: 01/29/2014
Received By: David Ortega
Caller Name: Metro Water Dist of S CA (MWD)
Caller Phone: -
APN: 964060001
Complaint Address: 33740 Borel Road Unincorporated CA 92596
Location: Lake Skinner Water Treatment Plant
Watershed: Santa Margarita River
Complaint: An unknown amount of chlorine, 10 ppm, was released. This release occurred during maintenance and pipe replacement. Residual material in the pipe released into the vent box inside the chlorine containment building. RP handled containment; no clean up required.
Findings: 1/29/14: MWD called the Governor s Office Emergency Services to report this release. The OES issued a Hazardous Materials Spill Report, Control #14-0550, regarding this incident. The OES report states that no water was involved from this release. The OES report also states that the substance was contained. The Riverside County Environmental Health Department was notified about this incident. The nearest Riverside County Flood Control District facility is located about 0.6 mile to the west of the complaint APN: Warm Springs Valley - Maddalena Road Storm Drain. NOTE: The complaint APN listed in this report is a reference APN only.
Other: No other actions needed.
Summary Resolution: Not an RCFC District response.
Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3813

Printed 8/20/2014 2:15:52 PM

Complaint No: 3813

Complaint Date: 01/29/2014

Received By: David Ortega

Caller Name: Citizen

Caller Phone: -

APN: 921330033

Complaint Address: 41770 Margarita Road Temecula CA 92591

Location: Sycamore Terrace apartment complex.

Watershed: Santa Margarita River

Complaint: An unknown amount of yellowish, orangish, and brownish substance was released. RP (citizen) states that a yellowish, orangish, and brownish discharged from water outlets. RP also states that within apartment complex, Sycamore Terrace that she has been informed it is throughout the area. Caller states that Rancho California Water District explained that it may be due to earth movement. Caller is vague on actual terminology.

Findings: 1/29/14: A citizen called the Governors Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #14-0558, regarding this incident. The OES report states that no drinking water was impacted from this release, however water was involved. The Riverside County Environmental Health Department, Rancho California Water District, Metro Water District, and Temecula Fire Department were notified about this incident. The nearest Riverside County Flood Control District facility is located about 0.2 mile to the east, northeast of the complaint address: Temecula Valley - Avenida Vista Storm Drain. 2000 hours: A situation update came into the OES regarding this release. Riverside Co. Env Health has verified that a water main break has caused the sediment in the water lines. Release is non-hazardous. Rancho California Water District is on-scene to facilitate repairs.

Other: No other actions needed.

Summary Resolution: Not an RCFC District response.

Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3817

Printed 8/20/2014 2:15:42 PM

Complaint No: 3817
Complaint Date: 02/05/2014
Received By: David Ortega
Caller Name: Metropolitan Water District of Southern CA. (MWD)
Caller Phone: -
APN: 964060001
Complaint Address: 33740 Borel Road Unincorporated CA 92596
Location:
Watershed: Santa Margarita River
Complaint: RP (MWD) states that while performing maintenance there was a release of chlorine gas which hit the sensor causing a reading of 3.6 ppm. The release was only for a few seconds.
Findings: 2/5/14: MWD called the Governor s Office Emergency Services to report this release. The OES issued a Hazardous Materials Spill Report, Control #14-0684, regarding this incident. The OES report states that no water was involved from this release. The OES report also states that the substance was contained. The Riverside County Environmental Health Department was notified about this incident. The nearest Riverside County Flood Control District facility is located about 0.6 mile to the west of the complaint APN: Warm Springs Valley - Maddalena Road Storm Drain. NOTE: The complaint APN listed in this report is a reference APN only.
Other: No other actions needed.
Summary Resolution: Not an RCFC District response.
Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3818

Printed 8/20/2014 2:15:33 PM

Complaint No: 3818
Complaint Date: 02/05/2014
Received By: David Ortega
Caller Name: NRC
Caller Phone: -
APN: 944283011
Complaint Address: 42321 Agena Street Temecula CA 92592
Location:
Watershed: Santa Margarita River
Complaint: An unknown amount of motor oil was released. Per NRC Report #1073134: Caller is reporting a private citizen that is pouring oil on the grass at a private residence. Caller stated that this person is working on a vehicle.
Findings: 2/5/14: NRC called the Governors Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #14-0687, regarding this incident. The OES report states that no water and no drinking water was involved and/or impacted from this release. The Riverside County Environmental Health Department and NRC were notified about this incident. The nearest Riverside County Flood Control District facility is located about 0.4 mile to the northeast of the complaint address: Temecula Valley - Margarita Road Storm Drains.
Other: No other actions needed.
Summary Resolution: Not an RCFC District response.
Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3824

Printed 8/20/2014 2:15:25 PM

Complaint No: 3824
Complaint Date: 02/15/2014
Received By: David Ortega
Caller Name: NRC
Caller Phone: -
APN: 944281007
Complaint Address: 42360 Agena Street Temecula CA 92592
Location:
Watershed: Santa Margarita River
Complaint: Per NRC Report #1074114: Caller reported that a neighbor is changing fluids in the car and is letting the materials spill down the street. Vehicle type is a passenger car.
Findings: 2/15/14: NRC called the Governors Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #14-0939, regarding this incident. The OES report states that no water and no drinking water was involved and/or impacted from this release. The OES report also states that it is unknown if the substance(s) were contained or cleaned up. The Riverside County Environmental Health Department was notified about this incident. The nearest Riverside County Flood Control District facility is located about 0.35 mile to the north, northeast of the complaint address: Temecula Valley - Margarita Road Storm Drains.
Other: No other actions needed.
Summary Resolution: Not an RCFC District response.
Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3831

Printed 8/20/2014 2:15:13 PM

Complaint No: 3831
Complaint Date: 02/20/2014
Received By: David Ortega
Caller Name: So Cal Edison (SCE)
Caller Phone: -
APN: 476192018
Complaint Address: 32143 Fern Street Unincorporated CA 92596
Location:
Watershed: Santa Margarita River
Complaint: 45 gallons of mineral oil was released from a pad mounted transformer due to rust. Caller states that the substance released to a soil and gravel area. Caller also states that a contractor conducted the cleanup.
Findings: 2/20/14: SCE called the Governors Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #14-1050, regarding this incident. The OES report states that no water was involved from this release. The OES report also states that the substance was contained and cleaned up by a contractor. The Riverside County Environmental Health Department was notified about this incident. The nearest Riverside County Flood Control District facility is located less than 0.1 mile to the south of the complaint address: Warm Springs Valley - Cherokee Rose Storm Drain.
2/21/14, 1052 hours: A situation update came into the OES regarding this release. Caller states the amount released is actually only 1 gallon and the damage was to the red eye gauge.
Other: No other actions needed.
Summary Resolution: Not an RCFC District response.
Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3841

Printed 8/20/2014 2:15:05 PM

Complaint No: 3841

Complaint Date: 03/05/2014

Received By: David Ortega

Caller Name: So Cal Edison (SCE)

Caller Phone: -

APN: 913172002

Complaint Address: 28239 Via Princesa Murrieta CA 92563

Location:

Watershed: Santa Margarita River

Complaint: Caller (SCE) states that an underground residential distribution transformer had a mechanical failure resulting in the release of 30 gallons of mineral oil onto dirt. A contractor is on scene doing the clean up. No waterways were impacted.

Findings: 3/5/14: SCE called the Governors Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #14-1362, regarding this incident. The OES report states that no water was involved from this release. The OES report also states that the substance was contained and cleaned up by a contractor. The Riverside County Environmental Health Department was notified about this incident. The nearest Riverside County Flood Control District facility is located about 0.5 mile to the southwest of the complaint address: Warm Springs Valley - Torrey Pines Road.
3/13/14, 1306 hours: A situation update came into the OES regarding this release. Lab results indicate non-detect for PCB content.

Other: No other actions needed.

Summary Resolution: Not an RCFC District response.

Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3848

Printed 8/20/2014 2:14:52 PM

Complaint No: 3848
Complaint Date: 03/13/2014
Received By: David Ortega
Caller Name: SoCal Edison (SCE)
Caller Phone: 0-
APN: 944220003
Complaint Address: 30660 Milky Way Drive Temecula CA 92590
Location:
Watershed: Santa Margarita River
Complaint: 62 gallons of mineral oil was released due to a transformer that malfunctioned.
Findings: 3/13/14: SCE called the Governors Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #14-1538, regarding this incident. The OES report states that no water was involved from this release. The OES report also states that the substance was contained and cleaned up by a contractor. The Riverside County Environmental Health Department and CUPA were notified about this incident. The nearest Riverside County Flood Control District facility is located about 0.25 mile to the northeast of the complaint address: Temecula Valley - Margarita Road Storm Drains.
Other: No other actions needed.
Summary Resolution: Not an RCFC District response.
Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3852

Printed 8/20/2014 2:14:44 PM

Complaint No: 3852
Complaint Date: 03/21/2014
Received By: David Ortega
Caller Name: Solve One
Caller Phone: -
APN: 957330047
Complaint Address: 38995 Sky Canyon Drive Murrieta CA 92563
Location: Safeway #2660
Watershed: Santa Margarita River
Complaint: 7 gallons of gasoline was released. RP (Solve One) states that a customer fueled a vehicle with a hole in the fuel tank causing the release. The release was onto the concrete pad. Cleanup was completed by station personnel using kitty litter booms and absorbent pads.
Findings: 3/21/14: Solve One called the Governors Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #14-1706, regarding this incident. The OES report states that no water was involved from this release. The OES report also states that the substance was contained and cleaned up by the reporting party. The Fire Department was on scene concerning this incident. The Riverside County Environmental Health Department was notified about this release. The nearest Riverside County Flood Control District facility is located about 0.2 mile to the south, southwest of the complaint address: Winchester Road Storm Drain.
Other: No other actions needed.
Summary Resolution: Not an RCFC District response.
Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3858

Printed 8/20/2014 2:14:32 PM

Complaint No: 3858
Complaint Date: 04/02/2014
Received By: David Ortega
Caller Name: International Rectifier
Caller Phone: -
APN: 921020043
Complaint Address: 41915 Business Park Drive Temecula CA 92590
Location:
Watershed: Santa Margarita River
Complaint: 8 gallons of Hydro Flouric Acid was released as a leak from a gauge guard.
Findings: 4/2/14: International Rectifier called the Governors Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #14-1961, regarding this incident. The OES report states that no water was involved from this release. The OES report also states that the substance was contained and cleaned up by the responsible party. The Riverside County Environmental Health Department was notified about this incident. The nearest Riverside County Flood Control District facility is located about 0.6 mile to the southeast of the complaint address: Murrieta Creek Channel.
Other: No other actions needed.
Summary Resolution: Not an RCFC District response.
Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3874

Printed 8/20/2014 2:14:22 PM

Complaint No: 3874
Complaint Date: 04/19/2014
Received By: David Ortega
Caller Name: Eastern Municipal Water District (EMWD)
Caller Phone: 0-
APN: 921020001
Complaint Address: 42565 Avenida Alvarado Temecula CA 92590
Location:
Watershed: Santa Margarita River
Complaint: RP (EMWD) states that a mechanical failure to a pipe resulted in the release of approximately 5,924 gallons of sludge (a sewage byproduct) onto the ground. The release is contained and cleanup is in progress and no waterways have been impacted.
Findings: 4/19/14: EMWD called the Governors Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #14-2281, regarding this incident. The OES report states that no water and no drinking water was involved and/or impacted from this release. The OES report also states that the substance was contained and cleaned up by the responsible party. The Riverside County Environmental Health Department was notified about this incident. The nearest Riverside County Flood Control District facility is located about 0.5 mile to the northeast of the complaint APN: Murrieta Creek Channel. NOTE: The complaint APN listed in this report is a reference APN only.
Other: No other actions needed.
Summary Resolution: Not an RCFC District response.
Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3875

Printed 8/20/2014 2:14:09 PM

Complaint No: 3875

Complaint Date: 04/21/2014

Received By: David Ortega

Caller Name: Citizen

Caller Phone: -

APN: 936310014

Complaint Address: Unincorporated CA 92590

Location: Between Avenida Del Oro and Thomasito Street

Watershed: Santa Margarita River

Complaint: An unknown amount of fertilizer was released. Caller (Citizen) states a tanker had a broken valve which released a fertilizer to the roadway. Caller also states CHP was on scene and advised the caller that the released substance was a fertilizer. Caller states CHP had the driver continue onto the West Pac Packing plant. Caller states substance released to the road and along Sandia Creek. Caller feels that if cleanup is not done soon it will reach the creek. Caller stated that the substance is in a drainage that goes to the creek and a pond.

Findings: 4/21/14: A citizen called the Governors Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #14-2316, regarding this incident. The OES report states that no drinking water was impacted from this release. It is unknown if any water was involved in Sandia Creek. The CHP was on scene concerning this incident. The Riverside County Environmental Health Department was notified about this release. There are no Riverside County Flood Control District facilities in the area of the complaint APN that could have been impacted from this incident. NOTE: The complaint APN listed in this report is a reference APN only.
4/22/14, 0933 hours: A situation update came into the OES regarding this release. Called to update material, status, and responsible party: Material is described as CAN-17, 17% Nitrate solution. Deluz Community Services District is handling clean up. Responsible party information is listed in confidential section.

Other: No other actions needed.

Summary Resolution: Not an RCFC District response.

Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3882

Printed 8/20/2014 2:13:56 PM

Complaint No: 3882

Complaint Date: 08/28/2013

Received By: Steve Clark

Caller Name:

Caller Phone: -

APN: 380040021

Complaint Address: Wildomar CA 92595

Location: Along RCFC District right-of-way of Wildomar Channel, just upstream of McVicar Street.

Watershed: Santa Margarita River

Complaint: 1 gallon of possible waste oil was illegally placed on the right-of-way of the RCFC District`s Wildomar Channel. Some of the material has impacted the dirt around the container.

Findings: 8/28/13: Steve Clark, with the Watershed Protection Division of the Riverside County Flood Control (RCFC) District, received a call today about this possible IC/ID incident. Mr. Clark contacted Robert Twineham, with Industrial Waste Utilization (IWU), a Riverside County approved hazardous waste cleanup contractor, to come to the site to cleanup this possible waste oil. Mr. Twineham stated that he can have a person from his company come to the site tomorrow to pick up the container and shovel out any other area along the right-of-way area that has been impacted.

Other: No other actions needed.

Summary Resolution: 1 gallon of waste oil and some contaminated soil were picked up by Industrial Waste Utilization (contractor) on 8/29/13.

Actions: 8/29/13: Steve Clark went to the RCFC District`s Wildomar Channel today to meet up with Eddie Powell, with Industrial Waste Utilization (IWU). Mr. Powell placed a one gallon container of waste oil into a 20 gallon drum. Mr. Powell also used a shovel to pick up some of the dirt along the access road of Wildomar Channel that was impacted with the waste oil. This material left the site on a Uniform Hazardous Waste Manifest Number: 005586851 FLE as Non RCRA Hazardous Waste Solid (soil with oil). No other actions needed.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3909

Printed 8/20/2014 2:13:35 PM

Complaint No: 3909

Complaint Date: 05/06/2014

Received By: David Ortega

Caller Name: Private Citizen

Caller Phone: -

APN: 957170037

Complaint Address: Temecula CA 92591

Location: Next to and goes behind 40495 Calle Medusa.

Watershed: Santa Margarita River

Complaint: 3 gallons of herbicide "Round Up type" was released. Caller is reporting people sprayed weed killer into the creek turning the water blue, and then drained their hoses in the creek. Caller is concerned for the wildlife`s safety in the area. Name of the creek is unknown.

Findings: 5/6/14: A private citizen called the Governor`s Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #14-2612. regarding this incident. The OES report states that it is unknown if any drinking water was impacted from this release, however water was involved in a waterway with an unknown name. The OES report also states that the substance was not contained. The Riverside County Environmental Health Department and the City of Temecula were notified about this incident. The nearest Riverside County Flood Control District facilities are located less than 0.1 mile to the northeast of the complaint location: Temecula Valley - Golden Lion Drive Storm Drain and Temecula Valley - Leigh Court Storm Drain. NOTE: The complaint APN listed in this report is a reference APN only.

Other: No other actions needed.

Summary Resolution: Not an RCFC District response.

Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3910

Printed 8/20/2014 2:13:18 PM

Complaint No: 3910

Complaint Date: 05/24/2014

Received By: David Ortega

Caller Name: Eastern Municipal Water District (EMWD)

Caller Phone: -

APN: 922100031

Complaint Address: Temecula CA 92590

Location: 1st Street and Old Town Front Street.

Watershed: Santa Margarita River

Complaint: RP (EMWD) states that a mechanical failure at a force main resulted in the release of approximately 12,000 gallons sewage into the Temecula Wash. The release is contained and cleanup is in progress. Caller states that he expects at least 70% of the release to be recoverable.

Findings: 5/24/14: EMWD called the Governor`s Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #14-2963, regarding this incident. The OES report states that no drinking water was involved from this release, however water was involved in Temecula Wash. The OES report also states that the substance was contained and cleaned up by the reporting party (EMWD). The Riverside County Environmental Health Department was notified about this incident. The nearest Riverside County Flood Control District facility is located less than 0.1 mile to the southwest of the complaint location: Murrieta Creek Channel. NOTE: The complaint APN listed in this report is a reference APN only.

Other: 8/11/14: David Ortega, with the Riverside County Flood Control (RCFC) District, spoke to Al Javier, with Eastern Municipal Water District (EMWD), today about this release. Mr. Ortega requested any written information that EMWD may have regarding this incident. Mr. Javier sent an email today to Mr. Ortega referring him to the California Integrated Water Quality System (CIWQS) database. Mr. Ortega reviewed the report for SSO Event ID: 806442 regarding this release. The spill location actually started on APN: 922210011 from the Pala Force Main. From this location, it does not appear that any RCFC District facilities and/or properties have been impacted from this sewage release. This report also states that the name of the impacted surface water is Murrieta Creek. Contact Al Javier, with EMWD, (951) 928-3777 extension 6327 for more information about remediation activities of this incident.

Summary Resolution: Not an RCFC District response.

Actions: Not an RCFC District response.

Riverside County Flood Control & Water Conservation District

NPDES Complaint No. 3911

Printed 8/20/2014 2:11:32 PM

Complaint No: 3911
Complaint Date: 06/24/2014
Received By: David Ortega
Caller Name: Riverside Co Env Health Hazmat
Caller Phone: -
APN: 963030002
Complaint Address: Unincorporated CA 92563
Location: Borel Road with a cross street of Sky Canyon Drive in unincorporated Riverside County area of French Valley.
Watershed: Santa Margarita River
Complaint: 30 lbs. of an unidentified compressed gas cylinder. Caller states an unknown quantity of an unknown substance, possibly refrigerant from a 30 lb. cylinder, was released to the atmosphere. No waterways impacted. Substance was unrecoverable. The cylinder was found on the side of the road.
Findings: 6/24/14: The Riverside Co Env Health Hazmat called the Governors Office Emergency Services (OES) to report this release. The OES issued a Hazardous Materials Spill Report, Control #14-3559, regarding this incident. The OES report states that no water and no drinking water was involved and/or impacted from this release. The OES report also states that the substance was not contained and is considered as unrecoverable. The Fire Department and the Police Department were on scene concerning this incident. The Riverside County Environmental Health Department, Calfire, and SO were notified about this release. The nearest Riverside County Flood Control District facility is located about 0.4 mile to the northwest of the complaint location: Warm Springs Valley - Hunter Road Storm Drain. NOTE: The complaint APN listed in this report is a reference APN only.
Other: No other actions needed.
Summary Resolution: Not an RCFC District response.
Actions: Not an RCFC District response.

RIVERSIDE COUNTY WASTE MANAGEMENT DEPARTMENT
 HOUSEHOLD HAZARDOUS WASTE COLLECTION PROGRAM
 FY 2013/2014 PROGRAM DATA
 SANTA MARGARITA WATERSHED

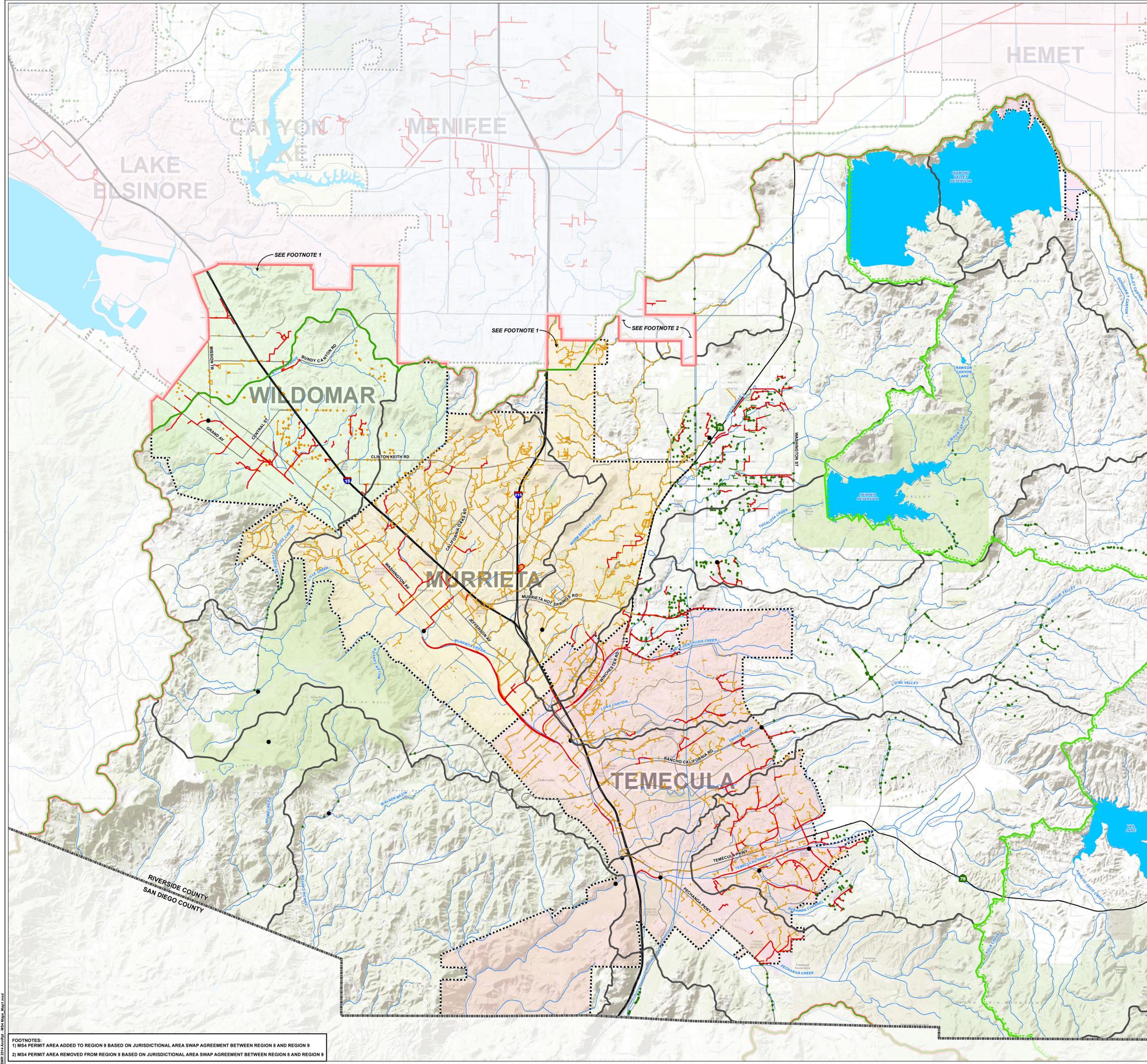
Location	Service Dates	Number of Service Days in FY 2013/2014	Total Vehicles	Contractor Cost	Batteries, Lead Acid (lbs)	NiCd/Lithium Batteries (lbs)	Alkaline Batteries (lbs)	Used Oil (lbs)	Antifreeze (lbs)	Oil Filters (lbs)	Latex Paint (lbs)	Mercury (lbs)	PBC's (lbs)	Non-PBC's (lbs)	Compressed Cylinders (lbs)	Paint Related (lbs)	Fluorescent Tubes [0.2 lbs/linear foot] (lbs)	Flammable Solid/Liquid (lbs)	Sharps (lbs)	Poison (lbs)	Acid (lbs)	Base (lbs)	Oxidizer (lbs)
Murrieta Regional ABOP HHW Collection Facility																							
TOTAL PHHWCF	All non-holiday Saturdays	45	1,972	\$ 8,939.32	4,120	389	2,527	25,840	5,865	635	44,082	0	0	0	0	2,780	0	1,011	0	220	0	0	0
Temporary HHW Collection Facility (THHWCF) Events																							
Anza	10/12/2013	1	68	\$ 4,410.48	91	38	150	1,913	128	50	1,362	4	0	122	45	1,358	124	1,856	59	481	6	48	67
Anza	4/12/2014	1	89	\$ 5,618.00	350	31	214	2,975	170	34	1,736	16	25	21	156	1,298	54	1,326	20	739	38	151	14
Subtotal		2	157	\$ 10,028.48	441	69	364	4,888	298	84	3,098	20	25	143	201	2,656	178	3,182	79	1,220	44	199	81
Murrieta	9/7/2013	1	426	\$ 25,425.12	1,357	140	726	2,295	425	52	10,776	5	37	0	342	2,113	230	4,052	253	1,660	248	233	117
Murrieta	3/22/2014	1	356	\$ 15,991.40	400	47	438	1,998	425	85	8,838	6	0	11	177	1,104	179	2,859	358	1,227	210	120	6
Subtotal		2	782	\$ 41,416.52	1,757	187	1,164	4,293	850	137	19,614	11	37	11	519	3,217	409	6,911	611	2,887	458	353	123
Pinyon Pines	11/23/2013	1	39		680	15	58	680	0	24	0	0	0	0	58	1,400	12	383	32	121	12	6	0
Pinyon Pines	5/31/2014	1	33		20	13	66	680	0	21	400	0	0	0	4	200	22	244	13	114	58	18	2
Subtotal		2	72	\$ -	700	28	124	1,360	0	45	400	0	0	0	62	1,600	34	627	45	235	70	24	2
Temecula		1	156	\$ 9,402.45	360	172	331	340	213	5	3,239	4	10	10	195	748	135	2,280	193	1,129	145	140	72
TOTAL THHWCF	FY 13/14	7	1,167	\$ 60,847.45	3,258	456	1,983	10,880	1,360	271	26,351	35	72	164	977	8,221	756	13,000	928	5,471	717	716	278
TOTAL LOADCHECK	FY 13/14	0	0		0	0	0	149	0	0	433	0	0	0	0	0	0	2,180	1	0	0	0	0
TOTAL AMOUNTS FROM ALL HHW FACILITY TYPES IN SANTA MARGARITA WATERSHED																							
		52	3,139	\$ 69,786.77	7,378	845	4,510	36,869	7,225	906	70,866	35	72	164	977	11,001	756	16,191	929	5,691	717	716	278

RIVERSIDE COUNTY WASTE MANAGEMENT DEPARTMENT
 HOUSEHOLD HAZARDOUS WASTE COLLECTION PROGRAM
 FY 2013/2014 PROGRAM DATA
 SANTA MARGARITA WATERSHED

Aerosols (lbs)	Asbestos (lbs)	Fertilizer (lbs)	Other (lbs)	Reuse (lbs)	Explosive (lbs)	HHW Total (lbs)	CRTs (lbs)	Electronic Devices (lbs)	Total E-Waste (lbs)	Total Pounds Shipped
0	0	0	400	0	0	87,869	0	0	0	87,869
						0				
102	0	5	0	0	0	8,008	0	6	6	8,014
193	0	80	38	0	0	9,679	0	0	0	9,679
295	0	85	38	0	0	17,687	0	6	6	17,693
754	0	34	0	0	0	25,849	2,500	3,905	6,405	32,254
502	0	143	0	0	0	19,133	1,780	3,727	5,507	24,640
1,256	0	177	0	0	0	44,982	4,280	7,632	11,912	56,894
34	0	0	0	0	0	3,515	380	480	860	4,375
45	0	38	8	0	0	1,966	100	60	160	2,126
79	0	38	8	0	0	5,481	480	540	1,020	6,501
315	0	192	12	0	0	10,240	360	276	636	10,876
1,945	0	492	58	0	0	78,389	5,120	8,454	13,574	91,963
2	90	0	0	0	0	2,855	0	0	0	2,855
1,947	90	492	458	0	0	169,113	5,120	8,454	13,574	182,687

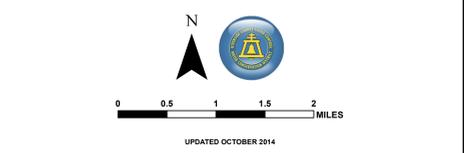
ATTACHMENT E

MS4 FACILITY MAP



**SANTA MARGARITA RIVER WATERSHED
MS4 PERMIT AREA FACILITIES MAP
EXHIBIT SMR-1**

- CITY MS4 FACILITIES
- COUNTY MS4 FACILITIES
- RCFC&WCD MS4 FACILITIES
- SANTA MARGARITA RIVER WATERSHED BOUNDARY
- SANTA MARGARITA RIVER MS4 PERMIT AREA BOUNDARY
- - - AREA CONTROLLED BY VAIL LAKE & LAKE SKINNER
- HUC SUBWATERSHEDS
- MONITORING STATIONS
- WATERBODIES
- WATERCOURSES
- RIVERSIDE COUNTY BOUNDARY
- INCORPORATED AREAS
- FREEWAY/HIGHWAYS
- PRIMARY ROADS
- SECONDARY ROADS

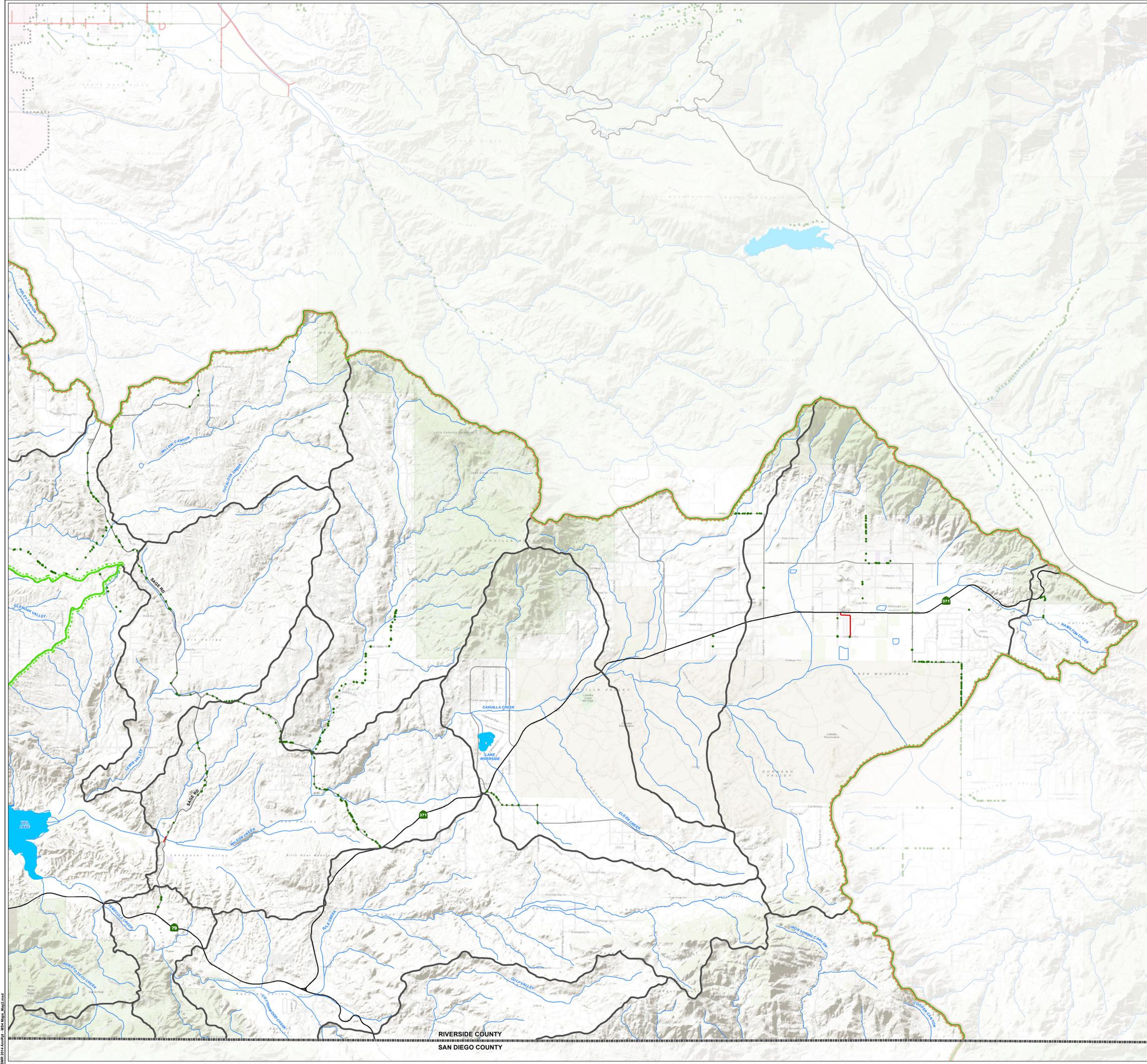
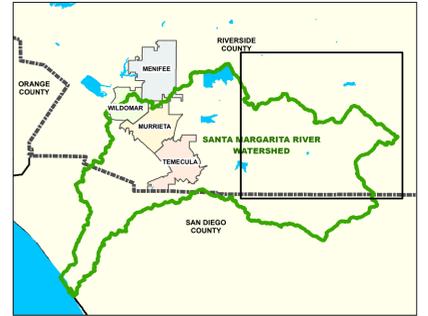
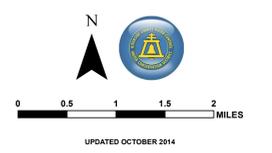


FOOTNOTES:
 1) MS4 PERMIT AREA ADDED TO REGION 9 BASED ON JURISDICTIONAL AREA SWAP AGREEMENT BETWEEN REGION 8 AND REGION 9
 2) MS4 PERMIT AREA REMOVED FROM REGION 9 BASED ON JURISDICTIONAL AREA SWAP AGREEMENT BETWEEN REGION 8 AND REGION 9

The graphical and tabular information shown on this document may be derived from a variety of public agency and/or private commercial sources such as Riverside County Transportation and Land Management Agency, Thomas Brothers Mapping, the Stephen P. Teale Data Center, GIS Technology Center, State of California, the United States Geological Survey and the United States National Atlas. These sources may possess varying levels of accuracy and precision and this product is meant only as a guide to the relative position and scale of the depicted features. This GIS document is in no case to be interpreted as fundamental or decisive for purposes of land surveying, field engineering, plan drafting, code enforcement, land boundary determination and/or land acquisition.

SANTA MARGARITA RIVER WATERSHED MS4 PERMIT AREA FACILITIES MAP EXHIBIT SMR-2

- CITY MS4 FACILITIES
- COUNTY MS4 FACILITIES
- RCFC&WCD MS4 FACILITIES
- SANTA MARGARITA RIVER WATERSHED BOUNDARY
- SANTA MARGARITA RIVER MS4 PERMIT AREA BOUNDARY
- AREA CONTROLLED BY VAIL LAKE & LAKE SKINNER
- HUC SUBWATERSHEDS
- MONITORING STATIONS
- WATERBODIES
- WATERCOURSES
- RIVERSIDE COUNTY BOUNDARY
- INCORPORATED AREAS
- FREEWAYS/HIGHWAYS
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RIVERSIDE COUNTY
SAN DIEGO COUNTY

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	FACILITY PROJECT NAME	FACILITY MATERIAL	THOMAS BROS PAGE
1	Warm Springs VY_Kale Lane SD	CIP	899D
2	Temecula Creek_Marsanne St SD	RCP	979B
3	Murrieta VY_Oak Creek SD	RCP	927
4	Santa Gertrudis_Lines 200, 600 Stg 1	RCP	929
5	Temecula VY_La Serena Wy SD Stg 3	RCP	959
6	Murrieta VY_Paloma del Sol SD	RCP	959
7	Santa Gertrudis_Sierra Madre Dr SD	RCP	958
8	Murrieta Creek CH_Kalmia St Dr	AC	927
9	Warm Springs VY_Pourroy Rd SD Stg 1	RCP	899C
10	Murrieta Creek MDP_Line G Stg 1	RCP, RCB, TRAP, CONC	927
11	Wildomar VY_Frederick St SD	RCP	897
12	Murrieta Creek MDP_Line G Stg 1	RCP, RCB, TRAP, CONC	927
13	Murrieta VY_Paloma del Sol SD	RCP, CONC	959
14	Temecula Creek_Line B Imprv	RCP	979B
15	Murrieta Creek CH_1978 Restr Stg 1	EAR	958
16	Temecula VY_El Chimisal SD	RCP	979B
17	California Oaks_Via Segovia	RCP	928A
18	Wildomar VY_Quartz-Grand	RCP, ROCK	927
19	Temecula VY_Via Del Coronado SD	RCP, ROCK, CONC	979A
20	Warm Springs CH	TRAP, EAR	958
21	Warm Springs_Primrose St SD	RCP	899C
22	Warm Springs VY_Benton Crk CH Stg 2	RCB, ROCK	929
23	Morgan VY_Wash_El Chimisal, Butterfield Stg	RCB	979D
24	Temecula VY_Wolf VY Loop-Margarita Rd	RCP	979B
25	Wildomar_Bundy Cyn CH, Line B	CONC, TRAP, RCB, RCP, ROCK	897
26	Santa Gertrudis_MHS Rd SD Stg 2	RCP, CONC	929
27	Santa Gertrudis_Lines 200, 600 Stg 1	RCP	929
28	Temecula Creek CH_1992 Imprv	EAR, RCP, ROCK, CONC, RCB	979B
29	Pechanga Rd SD_Line A-1	CIPP, RCP	979
30	Wildomar_Bundy Cyn CH, Line B	CONC, TRAP, RCB, RCP, ROCK	897
31	Murrieta VY_Line IJ Stg1	RCP	897
32	Temecula Creek_Butterfield Stg Rd	RCP, ROCK	979B
33	Pechanga Creek Levee	LVEE	979D
34	California Oaks Stg 2_Lines A,G	RCP	928C
35	Murrieta VY_Weeping Willow	RCP	927
36	Warm Springs VY_Maddalena Rd SD Stg 2	RCP	929
37	California Oaks Stg 2_Lines A,G	RCP	928A
38	California Oaks Stg 3_Lines A, I	RCP	928C
39	Wildomar CH_Lats B, B1, B2	EAR, ROCK, RCP, CONC	927
40	Warm Springs_Perigord SD	RCP	929
41	Temecula Creek CH_1992 Imprv	EAR, RCP, ROCK, CONC, RCB	979B
42	Murrieta VY_George Ave SD	RCP	897
43	Warm Springs_Santoro Wy SD	RCP	929
44	Temecula Creek CH_Line A,B	RCP	979B
45	Murrieta VY_Oak Creek Rd SD Stg 2	RCP, TRAP	927
46	Temecula Creek CH_Line A	RCP, CONC	959
47	Santa Gertrudis_Finbrook Rd SD	RCP	959
48	Temecula VY_Line A Stg 1	RCP, ROCK	979A
49	Wildomar VY_Jasmine SD	RCP	897
50	Anza Crk CH Ln A Stg 1	EAR, TRAP, CONC, ROCK	935
51	Murrieta Creek Ln F1 1989 Imprv Stg 1	RCP, ROCK	927
52	Santa Gertrudis_Tucalota Crk Stg 2	TRAP, ROCK, CONC, RCP	928D
53	Temecula Creek_Line D	RCP	959
54	Santa Gertrudis_Winchester Rd SD	RCP	928D
55	Santa Gertrudis_Browning St SD Stg 3	CIP, RCP	929
56	Wildomar VY_Quartz-Grand	RCP, ROCK	927
57	Santa Gertrudis_Townview-Willow Stg 2	RCP	929
58	Murrieta Creek Stg 1 Warm Sprgs Crk	EAR, LVEE	958
59	Wildomar CH_Lat E Stg 2	RCP	897
60	Santa Gertrudis CH Stg 4	CONC, ROCK, TRAP	959
61	Warm Springs VY_Fields Dr SD, Lat A8	RCP, TRAP	899B
62	Murrieta Creek ADP_Line E Stg 2	RCP	928C
63	California Oaks_Via Segovia	RCP	928A
64	Wildomar_Bundy Cyn CH, Line B	CONC, TRAP, RCB, RCP, ROCK	897
65	Wildomar MDP CH Stg 4	CONC, TRAP, RCB, ROCK	897
66	Warm Springs VY_Line B 1999 Imprv	CIP, RCP	899C
67	Temecula VY_Leigh Ct SD Stg 3	CIP, ROCK	959
68	Temecula VY_Golden Lion SD	RCP, RCB	959
69	Santa Gertrudis VY_Margarita Rd Line I	RCP	928D
70	Temecula Creek CH_Campanula Wy SD Line B	RCP	979B
71	Warm Springs VY_Evening Glow Dr SD Line F	CIP	899C
72	Wildomar VY_Twinflower SD, Trillium Lat	RCP	897
73	Warm Springs Valley Rancho Club SD, Stg 2	RCP	929
74	Murrieta Creek MDP_Line F	EAR, ROCK, RCB, CONC, TRAP, RECT	928C
75	Murrieta Creek MDP_Line F	EAR, ROCK, RCB, CONC, TRAP, RECT	927
76	Murrieta VY_Line H Stg 1	RCP, CONC, ROCK	897
77	Morgan VY_Wash_Slope Revetment	RCP	980
78	Santa Gertrudis CH	EAR, TRAP	958
79	Wildomar VY_Sheila Lane SD	RCP, RCB	896
80	Warm Springs CH_Stg 2	TRAP, CONC, EAR, ROCK	958
81	Temecula VY_El Chimisal Imprv	RCP	979B
82	Murrieta VY_I-215 Basin	BASN, RCP, EAR, ROCK, CONC, CIP	928C

	FACILITY PROJECT NAME	FACILITY MATERIAL	THOMAS BROS PAGE
83	Warm Springs VY_Torrey Pines SD	RCP	928D
84	Wildomar CH_Lat E	EAR, ROCK, RCP, CONC	927
85	Temecula VY_La Serena Wy SD Stg 2	RCP	959
86	Temecula VY_La Serena Wy SD Stg 2	RCP	959
87	Temecula Creek CH_1992 Imprv	EAR, RCP, ROCK, CONC, RCB	979B
88	Wildomar MDP CH_Stg 5	TRAP	897
89	Murrieta VY_Paloma del Sol SD	RCP	959
90	Murrieta Creek ADP_Line E1	RCP	928C
91	Temecula Creek_Lines VV Stg 4	RCP, CONC	979B
92	Temecula Creek_Lines VV Stg 4	RCP, CONC	979B
93	Wildomar CH_Interim Stg 3	EAR, TRAP, CMP, ROCK	927
94	Wildomar CH Stg 3_Lat C	RCP	927
95	Wildomar CH_Stg 2	EAR, TRAP, CONC, ROCK, RCP	927
96	Santa Gertrudis VY_Serrento SD Line B	RCP, ROCK	929
97	Warm Springs VY_Coral Tree SD Stg 2	RCP	929
98	Temecula Creek CH	RCP	979B
99	Santa Gertrudis_Tucalota Crk Stg 1	CONC, RCP, ROCK	929
100	Morgan VY Wash_Slope Revetment	CONC	979B
101	Temecula Creek_Line A Imprv	RCP	979B
102	Murrieta VY_Paloma del Sol SD	RCP	979B
103	Wildomar VY_Quartz-Grand	RCP, ROCK	927
104	Warm Springs VY_French VY CH Stg 4 Line E	RCB	899C
105	Warm Springs VY_Wisteria Loop SD	RCP	899D
106	Santa Gertrudis VY_New Covenant Church SD	RCP	929
107	Warm Springs VY_Briggs Rd SD Line A	CIP	899C
108	Sedco_Bryant St SD	RCP	896
109	Temecula VY_Deziel Wy SD	RCP	979B
110	Santa Gertrudis_Browning St SD Stg 3	RCP	929
111	Wildomar CH_Lats B, B1, B2	EAR, ROCK, RCP, CONC	927
112	Murrieta Creek MDP_Line F1	RCP, RCB, TRAP, CONC	928C
113	Warm Springs VY_Adams Ave	RCP	958
114	Murrieta Creek MDP_Line E1 Stg 2	RCP, ROCK	928C
115	Temecula VY_Leigh Ct SD	RCP, ROCK, CONC	959
116	Murrieta VY_Hidden Springs Rd SD	RCP	927
117	Warm Springs VY_Adams Ave	RCP	958
118	Murrieta VY ADP_Line G Stg 2	RCB, ROCK	927
119	Warm Springs_Primrose St SD	RCP	899C
120	Temecula VY_Pauba Rd	RCP, ROCK	959
121	Temecula Creek_Line V Stg 2	EAR, RCP, RCB, CONC, ROCK	979A
122	Temecula VY_La Serena Way SD	RCP	959
123	Deer Hollow Wy SD_Line B	CIPP	979
124	Murrieta VY_Paloma del Sol SD	RCP	959
125	Warm Springs VY_Adams Ave	RCP	958
126	Warm Springs_Hunter Rd SD Stg 2	RCB, RCP	928B
127	Wildomar CH Stg 3_S Pasadena Lat	RCP	897
128	California Oaks_Spinning Wheel	RCP, ROCK	928A
129	Warm Springs VY_Wisteria Loop SD	RCP, ROCK	899D
130	Temecula Creek CH_Lines A,B	RCP	979B
131	Santa Gertrudis_Cardiff Line B	RCP	959
132	Temecula VY_Rancho Cal Rd	RCP	959
133	Temecula VY_Via Del Coronado SD	RCP	979A
134	Santa Gertrudis CH_Murrieta Creek	TRAP, CONC, EAR	958
135	Murrieta Creek ADP_Line F3	CIP	927
136	Morgan VY Wash_El Chimisal, Butterfield Stg	RCB	980
137	Santa Gertrudis_Lines 1100, 1200 Stg 1	RCP, ROCK, CONC, CP	929
138	Santa Gertrudis_Lines 1100, 1200 Stg 1	RCP, ROCK, CONC, CP	929
139	Warm Springs VY_Benton Crk	RCP	929
140	Menifee VY_Loretta Ave SD Stg 2	RCP	898
141	Temecula VY_Wolf VY Loop-Margarita Rd	RCP	979B
142	Warm Springs VY_Coventry Ln SD	RCP	899B
143	Warm Springs VY_Evening Glow Dr SD Stg 1 Line F, Line G	CIP	899C
144	Murrieta Creek MDP_Line G	TRAP, EAR, RCB, ROCK	927
145	Butterfield Stage Rd_DePortola	RCP	959
146	Warm Springs VY_French VY CH	CONC, TRAP, ROCK	899D
147	Murrieta Creek_1993 Restr	EAR	958
148	Murrieta Creek_Line D1	RCB, ROCK	928C
149	Temecula VY_Camino Marea	RCP	959
150	California Oaks_Nutmeg St	RCP, ROCK, CMP, CONC	928A
151	Santa Gertrudis_Browning SD	RCP	929
152	Santa Gertrudis CH Stg 3	TRAP, CONC, RCP, ROCK, EAR	958
153	Wildomar VY_Twinflower SD, Trillium Lat	RCP	897
154	Santa Gertrudis CH Stg 3	TRAP, CONC, RCP, ROCK, EAR	958
155	Primrose St SD_Line A-2	CIPP, RCP	979
156	Murrieta Creek MDP_Line F	EAR, ROCK, RCB, CONC, TRAP, RECT	928C
157	Murrieta VY_Paloma del Sol SD	RCP	959
158	Murrieta Creek_Willows Lat	RCP	929
159	Murrieta VY_Glazebrook Rd SD	RCP	897
160	Temecula Creek_Line D	RCP	959
161	Warm Springs VY_French VY CH Stg 4 Line C	RCB	899C
162	Warm Springs_Perigord SD	RCP	929
163	Warm Springs VY_Maddalena Rd SD	RCP, ROCK	929
164	California Oaks_Via Segovia	RCP	928A

	FACILITY PROJECT NAME	FACILITY MATERIAL	THOMAS BROS PAGE
165	Wildomar CH_Stg 3_Imprv	CONC	927
166	Temecula Creek_Temecula Creek Rd SD	RCP, RCB	979B
167	Warm Springs VY_Pourroy Rd SD Stg 2	RCP	899C
168	Temecula VY_Pauba Rd	RCP, ROCK	959
169	Santa Gertrudis_Winchester Rd Stg 2	RCP	928D
170	Warm Springs VY_Line B Stg 3	RCP	899C
171	Wildomar CH_Lat C Stg 1	CONC, TRAP, ROCK, RCB	927
172	Wildomar CH_Lat E Stg 2	RCP	897
173	Murrieta Creek MDP_Line G Stg 1	RCP, RCB, TRAP, CONC	927
174	Wildomar CH_Lats B, B1, B2	EAR, ROCK, RCP, CONC	927
175	Wildomar CH_Lats B, B1, B2	EAR, ROCK, RCP, CONC	927
176	Temecula VY_Line A	RCP, ROCK, EAR, CONC, TRAP	959
177	Temecula VY_Wolf VY Loop-Margarita Rd	RCP	979B
178	Temecula VY_Butterfield Stage Rd	RCP	959
179	Warm Springs VY_Torrey Pines Stg 2	RCP	958
180	Temecula VY_Pauba Rd	RCP, ROCK	959
181	Santa Gertrudis_Tucalota Crk Stg 1	CONC, RCP, ROCK	929
182	Santa Gertrudis_Browning SD	RCP	929
183	Murrieta Crk_Line E Stg 2	ROCK, RCB, EAR, RCP	928C
184	Santa Gertrudis_Browning SD	RCP	929
185	Temecula VY_Leigh Ct SD Stg 2	RCP	959
186	Wildomar CH_Lat A	TRAP, CONC, RCB, RECT, ROCK	897
187	Temecula VY_A-Overland Trail	RCP	979B
188	Warm Springs VY_Benton Crk	RCP	929
189	Warm Springs VY_Blue Bell Ln SD	RCP	929
190	Murrieta VY_Hidden Springs Rd SD	RCP	927
191	Warm Springs VY_French VY CH Stg 4	LVEE	899C
192	Temecula VY_Long VY Wash CH Stg 2	CONC, TRAP, RCB	959
193	Temecula VY_Deziel Wy SD	RCP	979B
194	Santa Gertrudis CH_Lats A, B	RCP	958
195	Wildomar CH_Lats B, B1, B2	EAR, ROCK, RCP, CONC	927
196	Temecula VY_Avenida Vista	RCP	959
197	Warm Springs VY_Coventry Ln SD	RCB	899B
198	Santa Gertrudis_Browning SD Stg 2	RCP	929
199	Wildomar CH_Interim CH	TRAP, EAR, CONC, ROCK, RCP	927
200	Murrieta Creek MDP_Line E Stg 1	RCP	928C
201	Santa Gertrudis_MHS Rd SD Stg 2	RCP, CONC	929
202	Temecula VY_Calle Las Mariposas SD	RCP	959
203	Wildomar CH_Lat C Stg 2	RCB, TRAP, CONC, EAR, ROCK	897
204	Santa Gertrudis CH Stg 2	CONC, TRAP	958
205	Temecula VY_Butterfield Stage-Macho Rd	RCP, ROCK	979B
206	Temecula Creek_Lines V,VV Stg 2	RCP	979A
207	Warm Springs_Hunter Rd SD Stg 3 Ln A	RCP	928D
208	Warm Springs VY_Evening Glow Dr SD Line F	CIP	899C
209	Wildomar VY_Quartz-Grand	RCP, ROCK	927
210	Primrose St SD_Lateral A-8	CIPP	979
211	Warm Springs VY_Corte San Pablo SD	RCP, RCB	899C
212	Warm Springs VY_French VY CH Stg 5 Slope Protection	ROCK	899C
213	Vine Street Storm Drain_Line A	CIP	
214	Wolf Valley Deer Hollow Wy SD_Line C	CIP	979
215	Santa Gertrudis VY_Line B	RCP	928D
216	Murrieta VY_I-215 Basin	BASN, RCP, EAR, ROCK, CONC, CIP	928C
217	Murrieta VY_Westpark St SD	RCP	897
218	Warm Springs VY_Adams Ave	RCP	958
219	Warm Springs VY_Safflower St SD	RCP	899D
220	Murrieta VY_I-215 Basin	BASN, RCP, EAR, ROCK, CONC, CIP	928C
221	Wildomar VY_Graham School	RCP	897
222	Santa Gertrudis CH_Lats A, B	RCP	958
223	Wildomar CH_Lat E	EAR, ROCK, RCP, CONC	927
224	Santa Gertrudis CH_Lats A, B	RCP	958
225	Temecula Creek CH	EAR, ROCK	979B
226	Murrieta VY_Pico Rd, Montelegró St SD	RCP, CIP	979A
227	Temecula Creek CH_Augusta Dr SD	RCP	979B
228	Warm Springs VY_Line B Stg 4	RCP	899C
229	Warm Springs_Hunter Rd SD Stg 2	RCP	928D
230	Warm Springs VY_Coral Tree SD	RCP	929
231	Murrieta Creek MDP_Line E1 Stg 1	RCP	928C
232	California Oaks Stg 4_Line A	RCP	928C
233	Santa Gertrudis_Willows-Townview Stg 2	RCP	928D
234	Warm Springs VY_Benton Crk CH Stg 2	EAR, RCP	899C
235	Santa Gertrudis_Willows-Townview Stg 2	RCP	929
236	Warm Springs VY_French VY CH Stg 3	LVEE	899C
237	Santa Gertrudis VY_New Covenant Church SD	RCP	929
238	Warm Springs VY_Wisteria Loop SD	RCP	899D
239	Wildomar VY_Quartz-Grand	RCP, ROCK	927
240	Warm Springs VY_Benton Crk CH Stg 2	RCP	899C
241	Warm Springs VY_Ponderosa Rd SD	RCP	929
242	Temecula VY_Wolf VY Loop-Margarita Rd	RCP	979B
243	Temecula VY_Camino Marea	RCP	959
244	Santa Gertrudis CH Stg 4	CONC, ROCK, TRAP	959
245	Warm Springs VY_Fields Dr SD, Lat A7	RCP	899B
246	Temecula VY_Calle Las Mariposas SD	RCP	959

	FACILITY PROJECT NAME	FACILITY MATERIAL	THOMAS BROS PAGE
247	Temecula VY_El Chimisal 1999 Imprv	RCP, CONC	979B
248	Temecula VY_La Serena Wy SD Stg 3	RCP	959
249	Menifee VY_Loretta Ave SD Lat A1	RCP	899A
250	Warm Springs_Cherokee Ln A	RCP	899D
251	Murrieta Creek MDP_Line G Stg 1	RCP, RCB, TRAP, CONC	927
252	Temecula VY_Pauba Rd	RCP, ROCK	959
253	California Oaks_Nutmeg St	RCP, ROCK, CMP, CONC	928A
254	Temecula VY_Pauba Rd Stg 2	RCP, CMP	959
255	Temecula Creek_Line B Imprv	RCP	979B
256	Santa Gertrudis CH Stg 2	CONC, TRAP	958
257	Temecula VY_Via Del Coronado SD	RCP, ROCK, CONC	979A
258	Temecula VY_Margarita Rd SD	RCP	959
259	Warm Springs VY_Wisteria Loop SD Stg 3	RCP	899D
260	Murrieta VY_Line IJ Stg 1	RCP	897
261	Santa Gertrudis VY_Red Bridge Rd Lat	RCP	929
262	Murrieta Creek Line D Stg 1	TRAP, CONC, RCB	928C
263	Warm Springs VY_Line B Stg 2	RCP, ROCK	899C
264	Sedco_Bryant St SD	RCP, RCB	896
265	Temecula Creek_Rideau ST SD	RCP	979D
266	Warm Springs VY_Via Del Paso SD Line A	RCP	899C
267	Santa Gertrudis CH Stg 4	CONC, ROCK, TRAP	958
268	Warm Springs VY_Benton Crk CH	EAR, ROCK, RCB	899D
269	Murrieta VY_I-215 Basin	BASN, RCP, EAR, ROCK, CONC, CIP	928C
270	Temecula Ceerk_Butterfield Stg Rd Stg 2	RCP	979B
271	Santa Gertrudis CH_Lats A, B	RCP	958
272	Warm Springs VY_Lilac Lane Lat	RCP	899D
273	Warm Springs_Santoro Wy SD	RCP	929
274	Santa Gertrudis_Lines 200, 600 Stg 1	RCP	928D
275	Temecula Creek CH_Line F	RCP	959
276	Temecula Creek CH_Alcoba Dr SD Line A	RCP	979B
277	Murrieta VY_Kevin Rd SD	RCP	927
278	Temecula Creek CH_Line A,B	RCP	979B
279	Warm Springs_Perigord SD	RCP	929
280	Santa Gertrudis_Tucalota Crk Stg 1	CONC, RCP, ROCK	929
281	Butterfield Stage Rd_DePortola	RCP	979B
282	Temecula VY_Long VY Wash CH Stg 1	RCB, EAR, TRAP, ROCK	959
283	Morgan VY Wash_Slope Revetment	CONC	979D
284	Temecula VY_Leigh Ct SD Stg 2	RCP	959
285	Menifee VY_Loretta Ave SD Line D	RCP	899A
286	Menifee VY_Loretta Ave SD	RCP	899A
287	Warm Springs_Hunter Rd SD Stg 4	RCP	928B
288	Warm Springs VY_Red Carriage Rd SD	RCP	899D
289	Temecula VY_El Chimisal Imprv	RCP, CONC	979B
290	Wildomar_Pumic Lane SD	RCP	927
291	Warm Springs VY_French VY CH	CONC, TRAP, ROCK	899C
292	Murrieta Creek_1980 Restr	EAR, LVEE, TRAP	958
293	Santa Gertrudis_Lines 200, 600 Stg 1	RCP	929
294	Temecula VY_Margarita Rd SD	RCP, RCB	959
295	Santa Gertrudis_Line 600D	CIP, RCP	929
296	Warm Springs_Euclid-Bermuda	RCP	899C
297	Murrieta VY_Paloma del Sol SD	RCP, CONC	979B
298	Butterfield Stage Rd_DePortola	RCP	959
299	Temecula VY_Pauba Rd	RCP, ROCK	959
300	Murrieta Creek CH Stg 1	EAR, CMP, TRAP, ROCK	958
301	Temecula VY_Long VY Wash CH Stg 1	RCB, EAR, TRAP, ROCK	959
302	Temecula-Pechanga Crk_Slope Protection	CONC,EAR	979
303	Temecula Creek_Line V Stg 2	EAR, RCP, RCB, CONC, ROCK	979A
304	Temecula Creek CH_Campanula Wy SD Line B	RCP	979B
305	Murrieta Creek ADP_Line F3 Stg 2	RCP	927
306	Vine Street Storm Drain_Line A	CIP	979
307	Warm Springs VY_Corte San Pablo SD	ROCK	899C
308	Warm Springs VY_Presidio Ln Lat	RCP	899D
309	Santa Gertrudis_Tucalota Crk Stg 2	CONC, ROCK, EAR	928D
310	Wildomar MDP CH Stg 6	RCP, ROCK	897
311	Temecula Creek_Line V Stg 1	RCB, EAR, ROCK, CONC	979A
312	Wolf VY_Fireside Dr Lat	RCP	979D
313	Temecula Creek_Sagewind Ct	RCP	980
314	Murrieta VY_I-215 Basin	BASN, RCP, EAR, ROCK, CONC, CIP	928C
315	Warm Springs CH Stg 1_Rancon Ctr	EAR, CONC, ROCK, TRAP	958
316	Temecula Crk CH_Nighthawk Pass SD	RCP	979B
317	Warm Springs Creek	TRAP, CONC, EAR	958
318	California Oaks_Via Segovia	RCP	928A
319	Thompson Road SD Stg 5_Improv	RCP	899C
320	Santa Gertrudis CH_Subdivision Imprv	AC, DIKE, EAR, BASN, CIP, CONC	958
321	Murrieta Creek MDP_Line E1 Stg 3	RCP	928C
322	Murrieta VY_Pio Pico Rd 1990 Imprv	RCP, CONC, ROCK, TRAP, CIP	979B
323	Warm Springs VY_Fields Dr SD	RCP, RCB	899D
324	Murrieta VY_Pio Pico Rd 1990 Imprv	RCP, CONC, ROCK, TRAP, CIP	979A
325	Temecula VY_Butterfield Stage Rd	RCP	959
326	Temecula VY_Pauba Rd	RCP, ROCK	959
327	Santa Gertrudis VY_Seraphina Rd Lat	RCP	929
328	Wolf VY_Antelope Place Lat Line F	RCP	979C

	FACILITY PROJECT NAME	FACILITY MATERIAL	THOMAS BROS PAGE
329	Wilson Crk_Sage Rd Bridge	CONC	981
330	Santa Gertrudis VY_Seraphina Rd Lat	RCP	929
331	Warm Springs VY_Wisteria Loop SD	RCP	899D
332	Murrieta Creek CH_1978 Restr Stg 2	EAR, ROCK	958
333	Santa Gertrudis VY_New Covenant Church SD	RCP	929
334	Santa Gertrudis CH Stg 2	CONC, TRAP	958
335	Santa Gertrudis_Nicolas Rd SD	RCP	959
336	Murrieta Creek_1998 Restr	EAR	958
337	Santa Gertrudis CH Stg 4	CONC, ROCK, TRAP	959
338	Warm Springs VY_Euclid Loop SD	RCP	899C
339	Santa Gertrudis VY_Line A	RCP	928D
340	Murrieta Creek_Ln F1 1988 Imprv Stg 2	RCP, TRAP, CONC	927
341	Temecula VY_Wolf VY Loop-Margarita Rd	RCP	979B
342	Temecula VY_Butterfield Stage-Macho Rd	RCP, ROCK	979B
343	Temecula VY_Pauba Rd Stg 2	RCP, CMP	959
344	Santa Gertrudis_MHS Rd SD Stg 2	RCP, CONC	929
345	Warm Springs VY_French VY CH Stg 2	ROCK, CONC	899C
346	Warm Springs_Cherokee Ln A	RCP	899C
347	Murrieta ADP_Murrieta Crk	EAR, CONC, ROCK	958
348	Temecula Creek CH_1992 Imprv	EAR, RCP, ROCK, CONC, RCB	979A
349	Temecula VY_La Serena Way SD	RCP	959
350	Wildomar VY_Quartz-Grand	RCP, ROCK	927
351	Temecula Creek CH	EAR, ROCK	979
352	Temecula Creek_Lines B, VV Stg 3	RCP, CONC, CMP, BASN	979A
353	Murrieta VY_Paloma del Sol SD	RCP	959

Facility Project Name (Basins)	Facility Material	Thomas Bros_Pg #
1 Temecula VY Chardonnay Bsn	Basin	959
2 Murrieta Vy I-215 Bsn	BASN, RCP, EAR, ROCK, CONC, CIP	928C
3 Wildomar CH_Lats B, B1, B2	EAR, ROCK, RCP, CONC	927

**SANTA MARGARITA WATERSHED NPDES
MUNICIPAL STORMWATER PERMIT
(NPDES No. CAS0108766)**

**JURISDICTIONAL RUNOFF
MANAGEMENT PROGRAM (JRMP)
ANNUAL REPORT**

FOR

**CITY/COUNTY/DISTRICT
FISCAL YEAR 2013 – 2014**

October 31, 2014

Certification

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- II. Introduction
 1. Development Planning
 2. Construction
 3. Municipal
 4. Industrial/Commercial
 5. Residential
 6. Retrofitting Existing Development
 7. Illicit Discharge Detection and Elimination
 8. Workplans
 9. Non-Stormwater Discharges
 10. Receiving Water Limitations
 11. Fiscal Analysis
 12. Assessment and Response Reporting
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 - Attachment A - GPA 960 Update
 - Attachment B – Post-Construction BMP Database
 - Attachment C – IC/ID Database
 - Attachment D – Construction Database
 - Attachment E – Municipal Databases and Info
 - Attachment F – Industrial Commercial Database
 - Attachment G – NAL/SAL Response and Outreach
 - Attachment H – Ord. 859 and DWR Letter
 - Attachment I – Training Records

ORDER NO. R9-2010-0016

Submitted to

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

SAN DIEGO REGION

CERTIFICATION



I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signed: 
George Johnson
Chief Assistant County Executive Officer

[Note: per Attachment B: Standard Provisions, Reporting Requirements and Notifications, provision 5.(b)(2) of the 2010 SMR MS4 Permit: [Applications [40CFR 122.22(a)(3)] All permit applications shall be signed by either a principal executive officer or ranking elected official.]

I. EXECUTIVE SUMMARY

Executive Summary FY 2013-2014

The County of Riverside (County), the Riverside County Flood Control and Water Conservation District (District), Coachella Valley Water District (CVWD) and the twenty-nine cities of Riverside County including Banning, Beaumont, Blythe, Calimesa, Canyon Lake, Cathedral City, Coachella, Corona, Desert Hot Springs, Eastvale, Hemet, Indian Wells, Indio, Jurupa Valley (July 2011), La Quinta, Lake Elsinore, Menifee, Moreno Valley, Murrieta, Norco, Palm Desert, Palm Springs, Perris, Rancho Mirage, Riverside, San Jacinto, Temecula and Wildomar (Cities) are regulated pursuant to the Federal Clean Water Act and the California Water Code through the following National Pollution Discharge Elimination System (NPDES) and Municipal Separate Storm Sewer System (MS4) permits depending on location:

- Whitewater River Basin, NPDES Permit No. CAS617002 and California Regional Water Quality Control Board, Colorado River Region, Board Order R7-2013-0011;
- Santa Ana River Watershed, NPDES Permit No. CAS601833 and California Regional Water Quality Control Board, Santa Ana River Region, Board Order R8-2010-0033; and
- Santa Margarita River Watershed, NPDES Permit No. CAS0108766 and California Regional Water Quality Control Board, San Diego Region, Board Order R-9-2010-016.

The District serves as the Principle Permittee within the three watersheds described above, with the unincorporated County areas, Cities (depending on geography) and CVWD (Whitewater River Basin only) designated as the Co-Permittees. Collectively the Permittees are required as part of the NPDES and MS4 permit process to adopt, develop and implement adaptable stormwater management programs to protect surface water quality to the maximum extent practicable (MEP) and to report annually on their progress with respect to specific compliance activities.

Executive Office

The County Executive Officer and his staff provide for management and administrative oversight for County activities including long range planning, budget, internal and inter-governmental affairs. The Executive Office coordinates all National Pollution Discharge Elimination System (NPDES) and Municipal Separate Storm Sewer System (MS4) activities with County departments to ensure consistency and regulatory compliance with applicable laws and regulations.

Capital Improvement Projects

To ensure that all municipal construction projects have adequate funding and that all environmental requirements including CEQA, NPDES/stormwater and air quality criteria is considered, the County Executive Office formed the Capital Improvement Project Oversight and Review Committee. The makeup of the committee includes representatives from the Executive Office with finance, NPDES and construction expertise, Director of Economic

I. EXECUTIVE SUMMARY

Development Agency and management staff, County Information Technology staff. All proposed projects must have adequate funding, be reviewed for various project requirements and approved prior to commencement of work.

Economic Development Agency

The Riverside County Economic Development Agency (EDA) includes various divisions made up of Community Development (Aviation, County Service Areas, and Housing) Economic Development, Work Force Development, Life Style & Leisure (County Fair and National Date Festival) and Facilities Management including Capital Improvement Projects (CIP). The inclusion of Facilities Management Department within the Economic Development Agency was due to the fact that CIPs are managed from the conceptual idea, environmental study, project design, construction, and then maintained by Facilities Management. Economic and Redevelopment projects go through the same process as CIP. Within this region, EDA expects to construct one new municipal facility in the coming years.

Leadership in Energy and Environmental Design (LEED™) Certification

The LEED™ “green building rating is a nationally accepted benchmark for the design, construction and operation of green buildings. LEED™ gives building owners and operators the tools they need to have an immediate and measurable impact on their buildings’ performance in five key areas:

- Sustainable site development
- Water conservation
- Energy efficiency
- Materials selection, and
- Indoor air quality.

The County of Riverside EDA is on the cutting edge as it has incorporated LEED™ criteria into CIP per Board Policy H-29.

County Service Area 152 (CSA 152)

The Economic Development Agency assumed control of County Service Area’s (CSAs) in July of 2002. CSAs are an alternative method of providing governmental services by the County within unincorporated areas to provide extended services such as sheriff protection, fire protection, local park maintenance services, water and sewer services, ambulance services, streetlight energy services, landscape services and street sweeping. CSA 152 is designated as the mechanism to provide limited street-sweeping maintenance for MS4 within the service area.

Transportation Land Management Agency

The Riverside County Transportation Land Management Agency (TLMA) is made up of the following departments: Transportation, Building & Safety, Code Enforcement, Planning, Environmental Programs, Administrative Services which includes Geographic Information System (GIS) and database management.

New Development construction has come to a complete standstill as builders and developers reacted to an unexpected severe drop-off in buying. The spiraling decline in permit activity has caused the county to take steps to reduce the number of inspectors and engineers that perform plan review and field work. This exodus of qualified staff through early retirement and layoffs has caused a loss of institutional knowledge and experience.

I. EXECUTIVE SUMMARY

Building and Safety Department – In 2007, the County established a business registration and licensing ordinance. Ordinance 857, Section 13 provides for water quality inspections and enforcement of the MS4 permit requirements. Over 10,000 establishments have been registered within the unincorporated portion of the County. For those businesses that meet the criteria for a water quality inspection an additional inspection fee is charged. This is a revenue neutral program and the fee only covers the cost of registration and the time required to perform the water quality inspections.

Code Enforcement Department- The Code Enforcement Department is the investigatory unit that does follow-up investigations on land use complaints. This includes illegal connections and illicit discharges (IC/ID) investigations. The Code Enforcement Department has taken a more proactive approach to community policing and outreach by implementing a community improvement planning process in the economically underserved communities throughout the County. The community improvement plan is used to address conditions that otherwise lead to blighted conditions. “The Posting” a monthly newsletter provides success stories throughout the area. Over the past few years during the recession, the Code Enforcement Department has been the hardest hit when it comes to layoffs. They have been reduced from a staff of 80 to approximately 40 to service one of the largest counties in the state.

Planning Department/Counter Services – The Planning Department/Counter Services is the entry portal for private residential and commercial development review for the unincorporated county areas. A checklist is utilized to ensure that projects conform to the MS4 permit requirements. Projects that meet specified criteria are subject to the submission of a Water Quality Management Plan (WQMP) which is synonymous with the Standard Urban Stormwater Mitigation Plan (SUSMP). Previously, the WQMP was reviewed by the Riverside County Flood Control and Water Conservation District for substantial conformity, with recommended conditions of approval forwarded to TLMA. This process is now being modified to provide better internal consistency and better customer service. The WQMP is required to address post construction best management practices (BMPs), long term maintenance and monitoring.

Transportation Department- The County Transportation Department provides design specifications, construction, monitoring, and maintenance of publicly owned roads, right of way and some MS4 facilities. One of the tools utilized by the Transportation Department to ensure compliance of the MS4 facilities is through the formation of Landscape and Lighting Maintenance Districts (LLMDs). Each LLMD is responsible for ensuring that MS4 facilities and structural (fossil filter) BMPs in their right of way are routinely cleaned and maintained. County Service Area (CSA) 152 provides for street sweeping in the annexed areas. Another function of the Transportation Department is the mapping of MS4 facilities that are owned and operated by the department. GIS mapping is a fluid process and continues to grow as new areas in the county are developed. The Department’s Environmental Compliance staff is responsible for inspections of existing and new businesses, new residential and industrial/commercial development for MS4 compliance measures. Referrals are made to the Regional Board for observed non-compliance issues associated with the Statewide General Construction Permit and/or MS4 Permit.

Department of Environmental Health

The DEH responds to hazardous materials emergency spills and large sewage discharges (greater than 1000 gallons) that have the potential of entering the MS4. The DEH also

I. EXECUTIVE SUMMARY

performs complaint investigations for some IC/ID. The DEH also is part of the District Attorney's Environmental Crimes Task Force where some misdemeanor and felony environmental crimes investigations are handled. DEH acts as the Local Enforcement Agency (LEA) for solid waste issues. As part of the franchise trash haulers agreement some jurisdictions in the unincorporated portions of the county require mandatory trash pickup and street sweeping.

Special Districts

Flood Control and Water Conservation District (District)

The Control and Water Conservation District (District) operates and maintains major flood control facilities such as dams, flood basins, levees, open channels and major underground storm drains. In most cases, the District does not maintain storm drain inlets or pipes less than 36 inches in diameter. These smaller facilities are typically maintained by City or County Transportation Department crews. The engineering design of all projects constructed by the District is performed under the direct supervision of one of the District's two design teams. They are responsible for coordinating all activities involved in moving projects forward from the conceptual planning phase to the actual start of construction.

The construction section administers all District construction contracts and inspects the construction of all flood control projects to be accepted for operation and maintenance by the District. Further, the District is the Principal Permittee for all three MS4 permits within the County. The County's MS4 facility map is included with the District's annual report as Appendix E.

Regional Parks and Open Space District

The Riverside County Regional Park and Open-Space District was created by the electorate in November 1990 by a 64% vote and formed on January 29, 1991. The District is an independent agency governed by the Board of Supervisors, which sits as the District Board of Directors. The Park District presently employs approximately 100 staff who bring to their jobs a high degree of dedication to the public and wide variety of skills and abilities.

At the present time, the district manages and operates more than 44,000 acres, which includes forty parks, reserves, historic or archaeological sites and ninety miles of regional trails. The staff includes professionals in the fields of accounting and finance, biology, building and grounds maintenance, carpentry and construction, ecology, as well as environmental restoration.

Additional fields include historic preservation, interpretation, landscape architecture, museum and curatorial management, park planning, personnel administration, recreation, security, trails planning and construction, weddings and special events, wildlife habitat management, and a host of other disciplines.

Waste Resources Management Department

The mission of the Riverside County Waste Management Department is to provide for the protection of the general public health and welfare by efficient management of Riverside County's solid waste system through:

- Provision of facilities and programs which meet or exceed all applicable local, State,

I. EXECUTIVE SUMMARY

Federal and land use regulation;

- Utilization of up-to-date technological improvements;
- Development and maintenance of a system that is balanced economically, socially and politically; and
- Economically feasible recovery of waste materials.

The Waste Management Department currently operates six landfills; an additional privately owned and operated landfill is located in Western Riverside County. In addition to the landfills, there are eight privately owned and operated transfer stations.

Recycling and Specialty Programs

Household Hazardous Waste (HHW) – Residential Program

The County of Riverside established the Household Hazardous Waste Program in October 1988 with the formation of a mobile community HHW collection program. This HHW program has evolved and is comprised of a combination of three permanent HHW collection centers, two Antifreeze, Battery, Oil and Paint (latex only) ABOP collection centers and temporary collection events at 16 locations throughout the County.

Conditionally Exempt Small Quantity Generator (CESQG) – Business Program

As an enhancement to the HHW program and to encourage small businesses to properly handle their hazardous waste, the County provides the CESQG program as an affordable and legal solution for the proper disposal of hazardous waste. The program is on an appointment only basis; a hazardous waste disposal contractor comes to the business to ensure proper labeling, and documentation is provided.

Universal and e-Waste

Universal Wastes are hazardous wastes that are generated by several sectors of society, rather than a single industry or type of business. Universal Wastes contain harmful chemicals, which, if put in the trash may harm people or the environment. E-waste includes:

- Common Batteries – AA, AAA, C and D cell and button batteries (e.g. hearing aid and watch batteries). Automotive type batteries are not Universal Waste. When they become waste, they are regulated under a different law.
- Fluorescent Tubes, Bulbs and Other Mercury Containing Lamps – Fluorescent light tubes and bulbs, Hi Intensity discharge (HID), metal halide, sodium and neon bulbs.
- Electronic Devices – Televisions, computer monitors, computers, printers, VCR's, cell phones, telephones, radios, and microwave ovens.
- Mercury-Containing Devices – Thermostats, switches, thermometers, dental amalgam, pressure and vacuum gauges, novelty items, counterweights and dampers,

I. EXECUTIVE SUMMARY

and medical devices known as dilators.

- Non-Empty Aerosol Cans that Contain Hazardous Materials - Labeled Toxic, Flammable, or Corrosive.

Riverside County's Backyard Composting Program

This program has been developed to aid the residents of Riverside County in composting their organic material, so that we can all recycle more and discard less.

Composting harnesses the natural process of decomposition by turning organic matter (such as fruit and vegetable wastes, grass clippings, leaves, and some animal manures) into a useful product for your landscape or garden. Composting can also improve hard, depleted soils, so that flowers, vegetables, and fruit trees can thrive in a nutrient-rich environment. Composting also improves the soil by boosting its fertility, its moisture-holding capabilities, and its texture.

Composted material is actually rather expensive to buy. But anyone with a little extra room in a garden, a little extra time, and a good source of compostable materials can produce good, high quality compost in as little as four weeks – absolutely free! By composting, you return the earth's nutrients back to the soil, where your plants absorb them, thereby becoming healthier. Healthy plants are far more resistant to diseases and pests. Instead of throwing away your organic waste, compost them! You will cut down your trash collection service, and you will be prolonging the life of Riverside County's rapidly depleting landfill space!

Sharps

Hypodermic needles, lances, and other sharp material associated with medical treatment can be collected in sharps containers and brought to the HHW collection centers for proper disposal. Sharps containers can be obtained from your HHW collection center or local pharmacy.

Construction Activities

The Waste Management Department's construction and industrial activities include maintenance of County operated landfills and stabilization of closed landfills. This includes the requirement to prevent and mitigate stormwater or other discharges including sediment, solid waste and liquids from entering an MS4 system.

Pharmaceuticals and Outdated Medicines

The County has instituted as part of their Household Hazardous Waste Collection Program the ability for residents to bring outdated prescription drugs and other medications to the collection center for proper disposal.

Concluding Remarks

The County is just beginning to rise out of what was dubbed the Great Recession by economists. Revenue is expected to continue to grow slowly during FY 14/15 as a result of increased assessments. However, these gains are not expected to materialize into any

I. EXECUTIVE SUMMARY

tangible savings as there are critical programs being mandated from the state and federal level, which will require future additional general fund support.

As mentioned in the previous years' annual report, the AB109 jail realignment program has caused significant consternation with local governments, including the County of Riverside (County); due to the fact that high level offenders are being exported from more permanent high security overcrowded state prisons to relatively low security, temporary county facilities (jails). This has had a profound impact on County resources as the County is now required to begin construction of newer, higher security facilities throughout the County. Additionally, the County is required to dedicate new sheriff's and corrections personnel to staff these new facilities when operational at a substantial cost to the general fund.

Second, the County is continuing to navigate the unknown as it relates to the Affordable Care Act or "Obamacare". As a county that operates public health clinics and a regional hospital to serve the indigent population, this may have potential to increase costs for the County than it would have otherwise. As this Act was implemented during FY 13/14, the County will be monitoring costs associated with the Act's implementation.

II. INTRODUCTION

Due to the fact that Riverside County does not have a centralized public works agency, the County Executive Office provides management and administrative oversight for County departmental NPDES program activities. This includes coordination of the following Departments:

- Economic Development Agency/Facilities Management
- Transportation Land Management Agency (TLMA), which includes:
 - o Building and Safety
 - o Code Enforcement
 - o Planning
 - o Transportation
- Environmental Health
- Parks District
- Waste Management Department

During FY 13/14 a few program modifications were implemented to help streamline the program, provide better customer service to the public, and try to reduce administrative costs and overhead where feasible.

The first change involved modifying the way Project-Specific Water Quality Management Plans (WQMP) are processed in the County. Previously, Riverside County Flood Control and Water Conservation District (District) performed all WQMP review. The comments on a WQMP were then forwarded to TLMA for inclusion in the conditioning process. This added an intermediate step for customers that was not necessarily conducive to good business practices. Thus, most WQMP review is now processed by the Transportation Department as they, like the District, have consultants and Civil Engineers on staff to perform this review and subsequent approval. The small remainder of WQMPs that are proposed to tie into the District's Master Drainage Plan facilities will still fall under the purview of the District. The applicable sections in the JRMP were updated to reflect the modification in WQMP/SSMP processing and approval.

The second change in the program relates to the use of new web-based database software to help County department's track and catalog construction, industrial/commercial facilities, and public facilities.

2. CONSTRUCTION
SECTION F.2. of ORDER NO. R9-2010-0016)

New Development

1) General Plan/Environmental Review K.3.c.(4)1

a) Description of any amendments/updates to the General Plan as required by Section F.1.a. of the 2010 SMR MS4 Permit:

A comprehensive update to the County of Riverside General Plan (GPA No. 960) is currently underway. A list of the proposed updated/added Water Quality Policies pursuant to the 2010 SMR MS4 Permit is contained in Attachment A. It is expected that GPA No. 960 will go to the Riverside County Planning Commission in early 2015 and to the Board of Supervisors in the spring of 2015.

b) Description of any amendments/updates to the environmental review process as required by Section F.1.b. of the 2010 SMR MS4 Permit.

As previously mentioned, the County has modified the way Project-Specific Water Quality Management Plans (WQMP) are reviewed. Previously, Riverside County Flood Control and Water Conservation District (District) performed all WQMP review. The comments on a WQMP were then forwarded to TLMA for inclusion in the conditioning process. This added an intermediate step for customers that was not necessarily conducive to good business practices. Thus, most WQMP review is now processed by the Transportation Department. The small remainder of WQMPs that are proposed to tie into the District's Master Drainage Plan facilities will still fall under the purview of the District. The applicable sections in the JRMP were updated to reflect the modification in WQMP/SSMP processing and approval.

c) Description of any planned updates to the General Plan or the environmental review process within the next Annual Reporting period as required by Sections F.1.a.&b of the 2010 SMR MS4 Permit.

As noted above, the General Plan Update (GPA No. 960) is currently underway. A list of the proposed updated/added Water Quality Policies pursuant to the 2010 SMR MS4 Permit is contained in Attachment A. It is expected that GPA No. 960 will go to the Riverside County Planning Commission in early 2015 and to the Board of Supervisors in the spring of 2015.

2. CONSTRUCTION
(SECTION F.2. of ORDER NO. R9-2010-0016), CONT

2) SSMP status as required under Section F.1.d. of the 2010 SMR MS4 Permit K.3.c.(4)2.

Description of all revisions to the SSMP, including where applicable:

a) Identification and summary of where the SSMP fails to meet the requirements of the 2010 SMR MS4 Permit as required under Section F.1.d. of the 2010 SMR MS4 Permit:

As noted in the letter from SDRWQCB Executive Officer David Gibson to the SMR Copermittees (reference CW-749045:wchiu), the Final SMR HMP required implementation on July 11, 2014. In an effort to ensure effective compliance, the Regional Board allowed the SMR Copermittees to simultaneously implement the SSMP (WQMP) on the same date as the HMP. This ensured that project applicants were utilizing the approved HMP within the approved SSMP (WQMP) document. Consequently, applicable PDPs during this annual reporting period utilized the 2009 WQMP guidance to implement their projects.

The approved 2014 SSMP meets the requirements of the 2010 SMR Permit.

b) Updated procedures for identifying Pollutants of Concern for each Priority Development Project as required under Section F.1.d.(3) of the 2010 SMR MS4 Permit:

Updated procedures for identifying POCs are included in the approved 2014 SSMP.

c) Updated Treatment Control BMP ranking matrix as required by Section F.1.d.(6)(b)(i) of the 2010 SMR MS4 Permit:

Updated procedures for identifying POCs are included in the approved 2014 SSMP

d) Updated site design and Treatment Control BMP design standards as required by Sections F.1.d.(4)(c)(i) and F.1.d.(6)(b)(ii) of the 2010 SMR MS4 Permit.

Updated procedures for identifying POCs are included in the approved 2014 SSMP

3) Priority Development Projects K.3.c.(4)3

a) The County of Riverside reviewed and approved 3 Priority Development Projects during the reporting period.

b) The following LID and Source Control BMPs were required as applicable approved Priority Development Projects as required by the 2010 SMR MS4 Permit:

**2. CONSTRUCTION
(SECTION F.2. of ORDER NO. R9-2010-0016), CONT**

Reference	LID BMP Requirements
F.1.c.(2)(a)	Conserve natural areas, including existing trees, other native vegetation, and soils.
F.1.c.(2)(b)	Construct streets, sidewalks, or parking lots aisles to the minimum widths necessary, provided that public safety is not compromised.
F.1.c.(2)(c)	Minimize the impervious footprint of the project
F.1.c.(2)(d)	Minimize soil compaction to landscaped areas
F.1.c.(2)(e)	Minimize disturbances to natural drainages
F.1.c.(2)(f)	Disconnect impervious surfaces through distributed pervious areas
F.1.c.(2)(b)(i)	Maintain or restore natural storage reservoirs and drainage corridors (including depressions, areas of permeable soils, swales, and ephemeral and intermittent streams)
F.1.c.(2)(b)(ii)	Construct pervious areas to effectively receive and infiltrate, retain and/or treat Runoff from Pervious areas, and to minimize soil compaction in these areas
F.1.c.(2)(b)(iii)	Construct low-traffic areas with permeable surfaces, where appropriate soil conditions exist
F.1.c.(2)(c)(i)	Structural Infiltration BMPs
F.1.c.(2)(c)(i)	Structural Harvest and Use BMPs
F.1.c.(2)(c)(ii)	Structural Bioretention BMPs

Source Control BMP Requirements	
F.1.d.(5)(a)	Prevent illicit discharges into the MS4
F.1.d.(5)(b)	Minimize storm water pollutants of concern in runoff
F.1.d.(5)(c)	Eliminate irrigation runoff
F.1.d.(5)(d)	Include storm drain system stenciling or signage
F.1.d.(5)(e)	Include properly designed outdoor material storage areas
F.1.d.(5)(f)	Include properly designed outdoor work areas
F.1.d.(5)(g)	Include properly designed trash storage areas
F.1.d.(5)(h)	Include water quality protection requirements applicable to individual priority project categories

- c) **The following process was implemented to verify that Site Design, Source Control, and Treatment Control BMPs were required on all applicable Priority Development Projects as required under Section F.1.d.(9) of the 2010 SMR MS4 Permit:**

The approved 2014 SSMP includes an updated guidance manual and template that all applicable Priority Development Projects must complete. In addition, a review checklist was created for plan check staff to utilize. These documents are available on the Flood Control District's website here: <http://www.floodcontrol.co.riverside.ca.us/NPDES/SantaMargaritaWS.aspx#SMmember>

2. CONSTRUCTION

(SECTION F.2. of ORDER NO. R9-2010-0016), CONT

4) Following are the names and locations of all Priority Development Projects that were granted a waiver from implementing LID BMPs pursuant to Section F.1.d.(4) of the 2010 SMR MS4 Permit K.3.c.(4)4: None

5) Treatment Control BMPs K.3.c.(4)5

a) A current copy of the Riverside County's BMP maintenance tracking database of approved Treatment Control BMPs and Treatment Control BMP maintenance required under F.1.f.(1) of the 2010 SMR MS4 Permit is attached. This database includes an identification of all high-priority Priority Development Projects that have a final approved Project-Specific WQMP and their structural post-construction BMPs implemented since July 2005.

A copy of the database is located in Attachment B.

b) The County of Riverside verifies that the following structural post-construction BMPs on the inventoried WQMP projects have been implemented, are maintained, and are operating effectively through inspections, self-certifications, surveys, or other equally effective approaches as required under the 2010 SMR MS4 Permit:

Reference	LID BMP Requirements
F.1c.(2)(a)	The implementation, operation, and maintenance of all (100 percent) approved and inventoried final public and private Project-Specific WQMPs are verified every five years
F.1c.(2)(b)	All (100 percent) projects with BMPs that are high priority are inspected annually prior to each Rainy Season
F.1c.(2)(c)	All (100 percent) of the Priority Development Projects with BMPs are inspected annually
F.1c.(2)(d)	As appropriate, the County of Riverside coordinates its inspections with the facility inspections implemented pursuant to Section F.3 of the 2010 SMR MS4 Permit
F.1c.(2)(e)	For verifications performed through a means other than direct inspection by the County of Riverside, adequate documentation is required to provide assurance that the required maintenance has been completed
F.1c.(2)(f)	Appropriate follow-up measures (including re-inspections, enforcement, maintenance. Etc.) are conducted to ensure the Treatment Control BMPs continue to reduce Storm Water Pollutants as originally designed
F.1c.(2)(b)(i)	Inspections note observations of vector conditions, such as mosquitoes. Where conditions are identified as contributing to mosquito production, the County of Riverside notifies its local vector control agency.

2. CONSTRUCTION
(SECTION F.2. of ORDER NO. R9-2010-0016), CONT

- 6) The following Priority Development Projects have been required to implement hydrologic control measures to protect downstream Beneficial Uses and prevent adverse physical changes to downstream channels in compliance with Section F.1.h of the 2010 SMR MS4 Permit K.3.c.(4)6:**

As noted in the letter from SDRWQCB Executive Officer David Gibson to the SMR Copermittees (reference CW-749045:wchiu), the Final SMR HMP required implementation on July 11, 2014. Any previously approved HCOCs for PDPs were completed under the requirements of the updated 2009 Riverside County WQMP, in compliance with provision F.1.h.(6) *Interim Hydromodification Criteria*. The FY 14/15 annual progress report will provide details on which PDPs have subsequently been approved with the new HMP criteria.

- 7) The following table provides a description of all activities related to the enforcement of the Stormwater Ordinance in New Development and Redevelopment Projects in the County of Riverside jurisdiction as required under Section F.1.g. of the 2010 SMR MS4 Permit during the reporting period and a summary of the effectiveness of the enforcement activities K.3.c.(4)7:**

See database in Attachment C. In addition, the Code Enforcement Department provides outreach via a newsletter called "The Posting" which highlights its achievements and recent abatement cases. Issues of The Posting, training information, and narrative summary of activities are located in Attachment C as well.

2. CONSTRUCTION
(SECTION F.2. of ORDER NO. R9-2010-0016), CONT

1) Ordinances K.3.c.(4)1

- a) Describe updated relevant ordinances as required under Section F.2.a. of the 2010 SMR MS4 Permit (attach copies)**

No new updates for this reporting period.

- b) Describe planned ordinance updates within the next Annual Reporting period, if applicable**

Ordinance 754 contains conflicting language regarding irrigation discharges. The Executive Office is working with County Counsel to get this resolved. Updates will be reporting in the FY 14/15 annual progress report.

2) Describe any changes to procedures used for identifying priorities for inspecting sites and enforcing control measures that consider the nature of the construction activity, topography, and the characteristics of soils and receiving water quality as required by Section F.2.e of the 2010 SMR MS4 Permit K.3.c.(4)2.

No changes to procedures used for identifying priorities for inspecting sites have been identified during this reporting period.

3) Describe any changes to the designated minimum and enhanced BMPs as described in Section F.2.d.(1) of the 2010 SMR MS4 Permit K.3.c.(4)3:

No changes to designated minimum and enhanced BMPs have been identified during this reporting period.

4) Summarize the finding of the Construction Inspection Program specified in Section F.2.e. of the 2010 MS4 Permit K.3.c.(4)4:

- a) Total number and date of inspection conducted at each Construction Site**

Please see database in Attachment D.

- b) Number, date, and types of enforcement actions by Construction Site**

Please see database in Attachment D.

2. CONSTRUCTION (SECTION F.2. of ORDER NO. R9-2010-0016), CONT

c) Brief description of each high-level enforcement action at Construction Sites including the effectiveness of the enforcement:

Currently, all Transportation Department Construction Projects with one (1) or more acres of new disturbance are uploaded to the the Storm Water Multiple Application and Report Tracking System (SMARTS). The Transportation Department will continue this practice for tracking Capital construction projects in FY14/15.

Please see Attachment E titled "Santa Margarita River Watershed Reportable Construction Sites" for a list of all active construction sites in FY13/14. The Department's Resident Engineer/Inspector conducts a site walk each day which includes a visual check of construction site BMPs. The Project QSP conducts and documents inspections in accordance with the Construction General Permit requirements.

The Department currently has an NPDES Coordinator who comprehensively administers the Department's NPDES Program. The NPDES Coordinator works closely with the Planning, Design, Construction and Operations and Maintenance Divisions. The NPDES Coordinator is also responsible to disseminate NPDES compliance information to Department staff. Monthly "Stormwater Pollution Prevention Bulletins" were emailed to appropriate employees in the Transportation Department to keep staff up to date on NPDES MS4 and Construction General Permit regulations. The NPDES Coordinator regularly attends the SMR TAC meetings.

Additionally, the Department is very supportive of NPDES training. A total of 33 staff received training in "NPDES Construction Site Inspection" for the FY13/14. Please see document titled "Santa Margarita River Watershed Transportation Department NPDES Program Attachment E" for further information. The Transportation Department ensures that its contractors have received the appropriate NPDES training as well.

NPDES training records for the other County Departments are also contained in Attachment I.

For private development construction projects, the County issues NOVs when appropriate. However, the environmental compliance inspectors lack the authority to issue monetary citations if corrections are not made pursuant to the NOV. Designation of this authority to the inspectors is currently being investigated. In the meantime, Code Enforcement officers will be utilized to issue monetary penalties, when needed. For construction sites where there is a Construction General Permit correction or deficiency, we will forward the report to the Regional Board with the deficiency outlined within the County of Riverside's report form.

3. MUNICIPAL (SECTION F.3 of ORDER NO. R9-2010-0016), CONT

- 1) **Attachment E contains the current inventory of all County of Riverside facilities and activities that have the potential to generate Pollutants as required under F.3.a.(1) of the 2010 SMR MS4 Permit [K.3.c.(4)1]**

The Transportation Department owns and operates a total of 889 Inlets, 109 Outlets, 704 Culverts, 22 Swales, 7 Channels and 1 Basin in the Santa Margarita River Watershed. The Transportation Department owns and operates a total of 2 Maintenance Yards and 2 Material Sites in the Santa margarita River Watershed. Please see Transportation Inventory Attachment E titled “Santa Margarita River Watershed Transportation Department Facility Inspections” for an inventory of the facilities and inspections results.

- 2) **Following is the current list of minimum BMPs for the County of Riverside facilities included in the inventory addressed in item 1) above K.3.c.(4)2**

BMP Code	Description	Used
SC-10	Non-Stormwater Discharges	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-11	Spill Prevention, Control and Clean-up	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-20	Vehicle and Equipment Fueling	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-21	Vehicle and Equipment Cleaning	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-22	Vehicle and Equipment Repair	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-30	Outdoor Loading/Unloading of Materials	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-31	Outdoor Liquid Container Storage	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-32	Outdoor Equipment Maintenance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-33	Outdoor Storage of Raw Materials	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-34	Waste Handling and Disposal	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-35	Safe Alternative Products	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-40	Contaminated or Erodible Areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-41	Building and Grounds Maintenance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-42	Building Repair and Construction	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-43	Parking/Storage Area Maintenance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-44	Drainage System Maintenance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-60	Housekeeping Practices	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-61	Safe Alternative Products	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-70	Road and Street Maintenance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-73	Landscape Maintenance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-74	Drainage System Maintenance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-75	Waste Handling and Disposal	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-76	Water and Sewer Utility Maintenance	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

**3. MUNICIPAL
(SECTION F.3 of ORDER NO. R9-2010-0016), CONT**

- 3) Describe any changes to procedures to assure that flood management projects assess the impacts on the water quality of Receiving Waters as required under Section F.3.a.(4) of the 2010 SMR MS4 Permit [K.3.c.(4)3]**

Please see the Flood Control and Water Conservation District's Annual Report.

- 4) Following is a summary and assessment of BMP retrofit projects implemented at flood control structures as specified in Section F.3.a.(4)(c) and F.3.d of the 2010 SMR MS4 Permit [K.3.c.(4)4]:**

- a) Listing of flood control facilities retrofitted:**

Please see the Flood Control and Water Conservation District's Annual Report.

- b) Listing and description of flood control structures evaluated for retrofitting:**

Please see the Flood Control and Water Conservation District's Annual Report.

- c) Listing of flood control structures still needing to be evaluated and the schedule for evaluation:**

Please see the Flood Control and Water Conservation District's Annual Report.

3. MUNICIPAL (SECTION F.3 of ORDER NO. R9-2010-0016), CONT

- 5) Following is a summary of the municipal structural Treatment Control BMP operations and maintenance activities as specified in F.3.a.(6) of the 2010 SMR MS4 Permit [K.3.c.(4)5]:

The County implements a schedule of inspection and maintenance activities to verify proper operation of all its Municipal Structural Treatment Controls BMPs designed to reduce storm water pollutant discharges to/from its MS4 facilities..

Type of Structural Treatment Control BMP	Number of Inspections	Findings
Detention Basin (Rancho California Rd & Anza Rd Roundabout WQMP)	2	Basin is operating properly.
Infiltration Trench (Scott Rd Improvements WQMP)	2	Infiltration Trench is operating properly
Fossil Filter Inlet Inserts in Landscaping and Lighting Maintenance District 89-1.	150	Inspected 3 times annually. Fossil Filters needing replacement were replaced promptly. Litter and debris are removed from filters during each inspection to ensure they are operating properly.
Glenoaks Fire Station Swales	1	Operating properly and free of trash and debris.
French Valley Airport Parking Lot Landscape Basins	24	Basins are clean and clear of debris.
Lake Skinner Recreation Area	1	Swales and filters are operating effectively

**3. MUNICIPAL
(SECTION F.3 of ORDER NO. R9-2010-0016), CONT**

6) Summary of the MS4 facilities operations and maintenance activities, including amount material removed from, including justification for less than annual inspection as required under Section F.3.a.(6)(b) of the 2010 SMR MS4 Permit [K.3.c.(4)(6)]:

MS4 Facility Type	Number of Facilities Maintained		Amount of Material Removed (tons)	Facilities Planned for Bi-Annual Inspections and Justification
MS4 Inspection & Cleaning Program	Inspected	Cleaned		<p>The Transportation Department owns and operates a total of 889 Inlets, 109 Outlets, 704 Culverts, 22 Swales, 7 Channels and 1 Basin in the Santa Margarita River Watershed.</p> <p>The Transportation Department inspect and remove accumulated waste from all MS4 facilities at least once a year between May 1 and September 30 (dry season) of each year; and additional MS4 facilities cleaning performed as necessary between October 1 and April 30 as specified in the MS4 permit.</p> <p>See document titled "Santa Margarita River Watershed Attachment E" for inspections and maintenance information.</p> <p>See document titled "Santa Margarita River Watershed Attachment E" for additional inspection schedule information</p>
Inlets	889	303		
Outlets	109	38		
Culverts	704	415		
Swales	22	10		
Channels	7	2		
Basins	1	0		
Total	1732	768	66.77 tons (wet weight)	
Roadside Litter Removal Program	53 Road Miles		42 tons (wet weight)	
Street Sweeping CSA-152	5,326 Curb Miles Santa Margarita River		845.61 tons Countywide (wet weight)	
	18,804 Curb Miles Countywide			
Cumulative Total			945.38 tons (wet weight)	

**3. MUNICIPAL
(SECTION F.3 of ORDER NO. R9-2010-0016), CONT**

3. MUNICIPAL (SECTION F.3 of ORDER NO. R9-2010-0016), CONT

7) The following table contains a Summary of municipal areas/programs inspection activities as specified by Section F.3.a.(8)(a&b) of the 2010 SMR MS4 Permit [K.3.c.(4)6] including:

- a) Number and date of inspections conducted at each facility [K.3.c.(4)7.(a)].
- b) BMP violations identified during each facility inspection [K.3.c.(4)7.(b)].
- c) The number, date and types of enforcement actions received at each facility [K.3.c.(4)7.(c)]
- d) Summary of inspection findings and follow-up activities for each inspected facility [K3.c.(4)7.(d)]

The Transportation Department owns and operates 2 Corporate Yards and 2 Material Sites for the storage of its materials, waste, equipment and vehicles in the Santa Margarita River Watershed. See Attachment E for further information.

Facility	Inspections		BMP Violation	Enforcement			Summary of Inspection	
	#	Date		#	Date	Type	Findings	Follow-up
Murrieta Yard	2	10/11/2013 2/27/2014	No		N/A		Site is Compliant	One follow up inspection was conducted (2/27/14)
Anza Yard	1	10/10/2013	No		N/A		Site is Compliant	N/A
East Benton Material Site	1	10/11/2013	No		N/A		Site is Compliant	N/A
Terwilliger Material Site	1	10/4/2013	No		N/A		Site is Compliant	N/A

**3. MUNICIPAL
(SECTION F.3 of ORDER NO. R9-2010-0016), CONT**

Anza Landfill	1	FY 13/14	No		N/A		Site is Compliant (IGP Coverage)	N/A
French Valley Airport	1	FY 13/14	No		N/A		Site is Compliant (IGP Coverage)	N/A
Lake Skinner Recreation Area	1	6/25/13	No		N/A		Site is Compliant	N/A
Glenoaks Fire Station	1	9/17/2013	No		N/A		Site is Compliant	N/A

The County inspects these sites annually, at minimum. Those sites requiring additional attention are revisited to ensure suggested improvements were followed. Operations of concern include: leak and spill clean-up, vehicle and equipment parking and storage, loading, unloading, handling and/or storing materials (e.g., asphalt, concrete, oil, paint, scrap metal, solvents, trash, debris) and general maintenance and cleaning. Note, the Anza landfill, French valley Airport, Lake Skinner Recreation Area, and Glenoaks Fire Station were inadvertently left out of last year’s annual report.

**3. MUNICIPAL
(SECTION F.3 of ORDER NO. R9-2010-0016), CONT**

8) The following activities implemented to address sewage infiltration into the MS4 as specified in F.3.a.(7) of the 2010 SM4 MS4 Permit [K.3.c.(4)8]

The County does not own any sanitary sewer facilities or infrastructure.

9) Describe BMPs and their implementation for unpaved roads construction and maintenance as specified in F.3.a.(10) of the 2010 SMR MS4 [K.3.c.(4)8]:

Description of Unpaved Road Construction and Maintenance BMPs	Used
See narrative below.	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No

Transportation Department Unpaved Roads Maintenance

The Transportation Department implements erosion and sediment control BMPs when conducting maintenance of unpaved roads. Whenever possible, unpaved roads that require maintenance are graded to direct runoff from unpaved roads onto adjacent flat, vegetated areas. When runoff must be direct onto a slope, the spacing of over side drains is reduced to minimize the volume and velocity of the runoff in any one location. Additionally, appropriate energy dissipation materials (gravel, bags, straw bales, riprap, fiber rolls, etc.) are used to reduce the velocity of flows and promote infiltration. Maintenance of County- owned unpaved roads that are directly adjacent to creeks and riparian habitat are maintained only when absolutely necessary to protect public safety. When re-grading and maintenance of unpaved roads is necessary, roads are graded with consideration of road safety and minimizing the potential for erosion and sedimentation. When major maintenance requires the replacement of culverts, the natural stream geomorphology is considered in order to minimize future maintenance and to reduce the potential for failure.

For unpaved roads crossing jurisdictional drainages, the Transportation Department has entered into a “Long Term Routine Maintenance Lake and Streambed Alteration Agreement” with the California Department of Fish and Wildlife (CDFW) for the operation and maintenance of its roads and related drainage improvements within unincorporated Riverside County. The County-maintained system includes hundreds of miles of roads with various drainage improvements, some of which may encroach onto areas under the jurisdiction of the CDFW. The agreement requires the Transportation Department to implement measures (BMPs) to avoid, minimize, and/or mitigate potential impacts associated with the maintenance activity. An annual report detailing all the maintenance activities within or affecting

**3. MUNICIPAL
(SECTION F.3 of ORDER NO. R9-2010-0016), CONT**

jurisdictional areas of the CDFW is prepared and submitted to the CDFW. Additionally, for maintenance activities beyond those described in the agreement and for a single maintenance activity affecting 0.5 acre or more, the Transportation Department must make a pre-notification for review and comment by CDFW.

The Transportation Department no longer constructs new unpaved roads. Further, the Transportation Department no longer accepts new unpaved roads into their system of County maintained roads.

**4. INDUSTRIAL / COMMERCIAL
(SECTION F.3.b. of ORDER NO. R9-2010-0016)**

- 1) Attachment F contains the updated inventory of Industrial and Commercial Facilities as required under Section F.3.b.(1) of the 2010 SMR Permit [K.3.c.(4)1&2]. This inventory includes the following information by facility or mobile business:
- a) Number and date of inspections conducted at each facility or mobile business.
 - b) BMP violations identified during the inspection.
 - c) Number, date, and type of enforcement actions.
 - d) Brief description of each high-level enforcement action at Industrial/Commercial sites including the effectiveness of the enforcement and follow-up activities.

See database contained in Attachment F.

- 2) All changes to the designated minimum and enhanced BMPs required under Section F.3.b.(2)b&c of the 2010 SMR MS4 Permit [K.3.c.(4)3]

Minimum BMP	CASQA BMP Fact Sheet	Used
Hazardous Waste/Materials storage areas are clean, no signs of leakage, and protected from rainfall and Runoff;	SC-34	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Trash bin areas are clean, the bin lids are closed, the bins are not filled with liquid, and no signs of leakage from the trash bins	SC-34	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Aboveground tanks have been properly maintained including no signs of leakage, and secondary containment in good condition	SC-11, SC-31, SC-33	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Onsite storm drain inlets are protect from inappropriate non-storm water discharges	SC-44	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Oil/water separators are connected to sanitary sewer	NA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Wash water from wash pads (steam cleaning or high pressure cleaning) is directed to the sanitary sewer and does not discharge to the MS4	SC-10	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Mop bucket wash water is discharged to sanitary sewer via clarifier	SC-10	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Parking lot areas are free of trash, debris, and fluids other than water	SC-43	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Facility has coverage under the Industrial General Permit, if appropriate	NA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Minimum BMP	CASQA	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Oil and grease Wastes are not discharged onto a parking lot, street or adjacent catch basin	SC-10	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

**4. INDUSTRIAL / COMMERCIAL
(SECTION F.3.b of ORDER NO. R9-2010-0016), CONT.**

Trash bin areas are clean, the bin lids are closed, the bins are not filled with liquid, and the bins have not been washed out into the MS4	SC-43	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Floor mats, filters and garbage containers are not washed in adjacent parking lots, alleys, sidewalks, or streets and that no wash water is discharged to MS4S	SC-10	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Parking lot areas are cleaned by sweeping, not by hosing down, and that facility operator uses dry methods for spill cleanup	SC-43	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

3) Provide a list of Industrial Facilities, including each name, address, and SIC code in the County of Riverside’s jurisdiction, that may require coverage under the General Industrial Permit, but has not submitted an NOI [K.3.c.(4)4]

See Database (column titled “referred to RWQCB”) contained in Attachment F.

**5. RESIDENTIAL
(SECTION F.3.c. of ORDER NO. R9-2010-0016)**

1) Provide an updated list of minimum BMPs required for residential areas and activities as required by Section F.3.c.(2)(b) of the 2010 SMR SM4 Permit [K.3.c.(4)1]

Area of Activity	Designated BMPs	Reference Material
<p>A Automobile repair, maintenance, washing and parking</p>	<ul style="list-style-type: none"> • Collect and properly dispose of automotive fluids and other waste • Clean up spills using dry cleanup methods where possible • Store Hazardous Materials away from rain and runoff • Avoid hosing down parking areas. • Prevent all wash water, leaks and/or spills from entering the street or MS4 	<p><u>Brochures¹</u> Automotive Maintenance and Car Care Brochure</p> <ul style="list-style-type: none"> • Outdoor Cleaning <p><u>CASQA BMP Fact Sheets:</u></p> <ul style="list-style-type: none"> • SC-20, • SC-21, • SC-22, • SC-43
<p>B Home and garden care activities and product use (pesticides, herbicides and fertilizers)</p>	<ul style="list-style-type: none"> • Prevent irrigation runoff • Store and apply pesticides, fertilizers and other chemicals in accordance with their labeling • Avoid applying pesticides, herbicides and fertilizers before forecasted rain 	<p><u>Brochures¹</u></p> <ul style="list-style-type: none"> • Landscape and Garden • 10 Ways to Save Water Outdoors <p><u>CASQA BMP Fact Sheets:</u></p> <ul style="list-style-type: none"> • SC-73, • SD-10, • SD-12
<p>C Disposal of trash, pet waste, green waste, and Household Hazardous Waste (e.g., paints, cleaning products)</p>	<ul style="list-style-type: none"> • Properly dispose of pet waste • Collect green waste and never blow such waste into the street, gutter or MS4 • Never dispose of waste in a street, gutter or MS4 • Take Household Hazardous Waste to a designated collection center 	<p><u>Brochures¹</u></p> <ul style="list-style-type: none"> • After the Storm • What's the Scoop • Tips for Horse Care • Landscape and Garden • Pools, Spas and Fountains <p><u>HHW and ABOP Collection Events</u> http://www.rivcowm.org/opencms/hhw/schedule.html</p> <p><u>Videos:</u></p> <ul style="list-style-type: none"> • Animal Care • Household Hazardous Waste • Managing your Lawn and Garden • Outdoor Activities <p>http://rcflood.org/stormwater/ (Videos found in the Media Library)</p>

Brochures¹: Brochures available at <http://rcflood.org/Stormwater/>

**5. RESIDENTIAL
(SECTION F.3.c of ORDER NO. R9-2010-0016) CONT.**

2) Provide a summary of the number and type of applicable runoff and stormwater enforcement actions taken within residential areas and activities as required under Section F.3.c.(3) of the 2010 SMR MS4 Permit [K.3.c.(4)2]:

Number by Area or Activity			Enforcement and Compliance Responses
A	B	C	
2		32	Education and information
2		59	Verbal Warning
2		29	Written Warning
		2	Notice of Non-Compliance
		0	Administrative Compliance Order
		0	Misdemeanor
		0	Infraction
		8	Citation
		0	Referral to SDRWQCB
			Total

3) Describe the County of Riverside’s efforts to manage runoff and Stormwater Pollution in common interest areas and mobile home parks as required under Section F.3.c.(4) of the 2010 SMR MS4 Permit [K.3.c.(4)2]:

The County responds to and investigates citizen complaints. If issues are verified and/or discovered by County staff, the Code Enforcement Department will open a case against the proposed violator and bring the situation to remedy in conformance with the JRMP Enforcement and Compliance strategy.

**6. RETROFITTING EXISTING DEVELOPMENT
(SECTION F.3.d. of ORDER NO. R9-2010-0016)**

- 1) Provide an updated inventory and prioritization of existing developments identified as candidates for retrofitting as required under Section F.3.d.(2) of the 2010 SMR MS4 Permit [K.3.d.(4)1]:**

APN: 964-450-030 Rancho Bella Vista Community Association and associated catch basins.

- 2) Describe the County of Riverside's efforts to retrofit existing developments during the reporting period as required under Section F.3.d.(2) of the 2010 SMR MS4 Permit [K.3.d.(4)2]:**

The County's ability to retrofit existing development is extremely constrained. The elimination of redevelopment agencies in 2011 has significantly affected the County's ability to enhance or restore properties with structural BMPs. However, the County is vigilant in identifying potential opportunities that could result in a public-public partnership, or private-public partnership. The county is currently seeking grant opportunities to retrofit several catch basins with connector pipe screens.

- 3) Describe the County of Riverside's efforts taken to encourage private landowners to retrofit existing development as required under Section F.3.d.(4) of the 2010 SMR MS4 Permit [K.3.d.(4)3]:**

As problem areas are identified, the County works with associated landowners to identify cost-effective solutions to retrofit those portions of their property that are known to produce pollutants of concern that impact receiving waters. The water districts, in conjunction with a recently awarded grant, are increasing the monetary value of their turf conversion rebate program.

Exceedances of nutrients and pathogens were reported at the County Monitoring Station located at APN: 964-450-030 which drains the Rancho Bella Vista Community.

Please see Attachment G for Investigation and Public Outreach responses conducted by the County of Riverside concerning the Dry Weather Monitoring Results. Additional detailed information can be found in the separately submitted SMR 2014 Monitoring Report.

- 4) Provide a list of all retrofit projects that have been implemented including site location, a description of the retrofit project pollutants expected to be treated, and the tributary acreage of runoff that will be treated as required under Section F.3.d.(5) of the 2010 SMR MS4 Permit [K.3.d.(4)4]:**

**6. RETROFITTING EXISTING DEVELOPMENT
(SECTION F.3.d. of ORDER NO. R9-2010-0016)**

The County is still in the process of identifying sites that have negative impacts to receiving water quality.

5) Describe any proposed retrofit or regional mitigation projects and timelines for future implementation [K.3.d.(4)5]:

Please see Attachment G for Investigation and Public Outreach responses conducted by the County of Riverside associated with the established community named Rancho Bella Vista.

6) Describe any proposed changes to the County of Riverside's overall retrofitting program [K.3.d.(4)6]:

The County is continually striving for success in an economic environment that is still difficult to navigate. Therefore, the County will continue to seek out partnerships (such as with the Eastern Municipal Water District) with those entities that it identifies as leading to successful retrofit of sites that have been previously identified as negatively impacting receiving water quality.

**7. ILLICIT DISCHARGE DETECTION AND ELIMINATION
(SECTION F.4 of ORDER NO. R9-2010-0016) CONT.**

- 1) Describe any changes to the legal authority to implement Illicit Discharge Detection and Elimination (IDDE) activities as required under Section F.4.a.(1) of the 2010 SMR MS4 Permit [K.3.d.(4)1]:**

No changes to legal authority during the reporting period.

- 2) Describe any changes to the established IDDE investigation procedures as specified under Section F.4.e. of the 2010 SMR MS4 permit [K.3.d.(4)2]:**

No changes to the established IDDE investigation procedures have been noted during this reporting period. However, the County is identifying methods of how departments can provide their reporting data to the Department of Environmental Health to ensure consistent response and tracking. The results of this identification will be reported in FY 14/15 annual report.

- 3) Describe any changes to public reporting mechanisms, including phone numbers and web pages as required under Section F.4.c of the 2010 SMR MS4 Permit [K.3.d.(4)3]**

None noted. See the Flood Control District's report for information regarding the telephone hotline and web pages. It was noted in a recent USEPA audit the representatives from USEPA could not call into the hotline due to recent telecom changes within the county. This problem has since been rectified.

- 4) Summarize Illicit Discharges (including spills and water quality data events) and how each significant case was resolved [K.3.d.(4)4]:**

See database in Attachment C and Outfall Follow up Report in Attachment G. The Department of Environmental Health in conjunction with CalFire responds to significant spill cases and reports them per OES guidelines.

- 5) Describe any instances when field screening and analytical data exceeded Action Levels, including those instances for which no investigation was conducted [K.3.d.(4)5]:**

On June 2, 2014 the Flood Control District sampled outfall No. 902MS4263 as part of the dry and wet weather screening. The results from the laboratory indicated that nutrient and pathogen constituents were exceeded as ponded water was sampled. The report and follow up actions are located in Attachment G.

**7. ILLICIT DISCHARGE DETECTION AND ELIMINATION
(SECTION F.4 of ORDER NO. R9-2010-0016) CONT.**

- 6) Describe the follow-up and enforcement actions taken in response to investigations of Illicit Discharges and a description of the outcome of the investigation/enforcement actions as required under Section F.4.e,f, & g. [K.3.d.(4)6]:

Illicit Discharge Incident	Follow-up and Enforcement Action	Outcome
6/2/14 – N. 902MS4263	Inspection Conducted by the County of Riverside Executive Office and Transportation Department – See Report in Attachment G.	The source of non-storm water discharge was due to irrigation overflow from Rancho Bella Vista residential properties.

8. WORKPLANS

1) Provide a summary of workplans including priorities, strategy, implementation schedule and effectiveness evaluations.

The Upper Santa Margarita Watershed Water Quality Workplan (Watershed Workplan) was developed in compliance with Directive G of the San Diego Regional Water Quality Control Board's Order No. R9-2010-0016.

The purpose of the Watershed Workplan is to:

- 1) Characterize the Receiving Water quality in the Upper Santa Margarita River Watershed's Receiving Waters
- 2) Identify and prioritize water quality problem(s) in terms of constituents by location in the Upper Santa Margarita River Watershed's Receiving Waters.
- 3) Identify the likely sources of the highest priority water quality problem(s) within the Upper Santa Margarita River Watershed.
- 4) Develop a watershed Best Management Practice (BMP) implementation strategy to attain Receiving Water Quality Objectives for the highest priority water quality problem(s).
- 5) Develop a strategy to monitor improvements in Receiving Water quality directly resulting from implementation of the BMP implementation strategy described in this Watershed Workplan.
- 6) Establish a schedule for development and implementation of the BMP and monitoring strategies outlined in this Watershed Workplan.

The Watershed Workplan is reviewed annually and updated to identify needed changes to prioritize water quality problem(s) listed in the Workplan.

Throughout Fiscal Year 2013-2014, the SMR Copermittees have been assessing the Watershed Workplan programs based upon the criteria set forth by CASQA. Section 12 of this JRMP Annual Report discusses the effectiveness of the implementation of the Watershed Workplan and the CASQA outcome levels achieved. The District and the Copermittees continue to implement the schedule as seen in Figure 1 of the Watershed Workplan that outlines implementation of various storm water programs.

8. WORKPLANS

9. NON-STORMWATER DISCHARGES

1) Identify any non-stormwater discharge category listed in Requirement B.2 of Order No. R9-2010-0016 that was identified as a source of Pollutants to Waters of the U.S. during the reporting period. For each identified category, the Copermittee must report whether it elected to prohibit the discharge or to require BMPs to reduce Pollutants in the discharge to the MEP. If the discharge is not prohibited, the BMPs that will be implemented, or required to be implemented, are described below:

Non-Stormwater Discharge Categories (per Requirement B.2)	Source of Pollutant	Prohibited	Required BMPs
Diverted stream flows	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Rising ground waters	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Uncontaminated ground water infiltration [as defined at 40 CFR 35.2005(20)] to MS4s	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Uncontaminated pumped ground water	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Foundation drains	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Springs	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Water from crawl space pumps	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Footing drains	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Air conditioning condensation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Flows from riparian habitats and wetlands	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Water line flushing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Discharges from potable water sources not subject to NPDES Permit No. CAG679001, other than water main breaks	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Individual residential car washing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Dechlorinated swimming pool discharges	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

9. NON-STORMWATER DISCHARGES CONT.

- 2) Provide a description of any updates to ordinances, orders, or similar means to prohibit non-storm water discharge categories identified under Section B.2 of the 2010 SMR MS4 Permit.**

No planned updates at this time. The County's storm water ordinance effectively prohibits applicable non-stormwater discharge categories as required by the permit. Upon enrollment into the Regional Permit, the County will revise its storm water ordinance as required and applicable.

- 3) Identify any control measures to be required and implemented for non-stormwater discharge categories identified as needing controls by the San Diego Water Board.**

In compliance with AB1881, the County adopted Ordinance 859, which stipulates stringent requirements for development with regard to water efficient landscaping. A copy of the Ordinance and submittal letter to the Department of Water Resources is located in Attachment H.

- 4) Provide a description of a program to address Pollutants from non-emergency firefighting flows identified by the County of Riverside to be significant sources of Pollutants:**

As part of preparation of the County's JRMP, the County has prepared and submitted with its JRMP the "Best Management Practices Plan for Firefighting Activities" as Appendix C.1 to the JRMP. The purpose of this plan is to identify Best Management Practices (BMPs) used by firefighting agencies for Runoff management in the Santa Margarita Region of Riverside County. Section B.3 of the 2010 SMR MS4 Permit adopted by the San Diego Regional Water Quality Control Board (Regional Board) requires each Copermittee to develop and implement a program to address Pollutants from non-emergency firefighting flows (i.e., flows from controlled or practice blazes and maintenance activities) identified as significant sources of Pollutants to Waters of the U.S.

The Riverside County MS4 Permittees in cooperation with the Riverside County Fire Agencies have developed fire department activity procedures to provide guidance to Fire Prevention and Firefighting personnel for management of Runoff. Guidance is provided in the form of recommended BMPs that are incorporated as part of the individual Jurisdictional Runoff Management Plans (JRMP), and as applicable into Facility Pollution Prevention Plans. When followed, implementation of the BMPs will minimize discharges of Runoff to the municipal separate storm sewer system (MS4) associated with non-emergency firefighting activities.

9. NON-STORMWATER DISCHARGES CONT.

10. RECEIVING WATER LIMITATIONS

This section includes the report required pursuant to Requirement A.3.a.(1) of Order No. R9-2010-0016, if applicable.

Requirement A.3.a.(1) states:

“Upon a determination by either a Copermittee or the San Diego Regional Board that storm water MS4 discharges are causing or contributing to an exceedance of an applicable water quality standard, the Copermittee must notify the San Diego Regional Board within 30 days and thereafter submit a report to the San Diego Regional Board that describes BMPs that are currently being implemented and additional BMPs that will be implemented to prevent or reduce any Pollutants that are causing or contributing to the exceedance of Water Quality Standards. The report may be incorporated in the Annual Report unless the San Diego Regional Board directs an earlier submittal. The report must include an implementation schedule. The San Diego Regional Board may require modifications to the report;”

The County provides funding in support of the Flood Control District’s regional water quality monitoring program through the Implementation Agreement funding mechanism. The District provides notification to the County, where applicable, of any exceedances of an applicable water quality standard. In addition, the District has retained the services of a consultant to provide monitoring support within the upper SMR.

11. FISCAL ANALYSIS

- 1) The following table provides estimated expenditures for the current reporting period, the preceding reporting period, and the next reporting period. This table identifies the expenditures (such as capital, operation and maintenance, education, and administrative expenditures) necessary to accomplish the activities described in the County of Riverside's JRMP as required under Section H.2 of the 2010 SMR MS4 Permit.

Program Element	Fiscal Year 2013-2014		Fiscal Year 2014-2015	
	Capital Expenditures	O&M/Admin Expenditures	Capital Expenditures	O&M/Admin Expenditures
Program Management	0	\$125,000	\$0	\$135,000
Annual Fee for MS4 NPDES Permit	0	\$63,956	\$0	\$65,000
Implementation Agreement Shared Cost	0	\$137,841	\$0	\$402,000
Construction Inspections	0	\$80,000	\$0	\$80,000
Development Planning	0	\$5000	\$0	\$5000
Industrial and Commercial Inspections	0	\$80,000	\$0	\$80,000
Illicit Connections & Illegal Discharges Program	0	\$78000	\$0	\$78000
Municipal Facilities and Activities	0	\$10,000	\$0	\$25,000
Public Education & Outreach	0	Part of IA Cost	\$0	Part of IA Cost
Monitoring Program	0	Part of IA Cost	\$0	Part of IA Cost
Retrofit Program	0	IA/Grant	\$0	IA/Grant

11. FISCAL ANALYSIS

Other	0		0	
	0			
Z5508000 - NPDES Program Administration	0	\$88,471	\$0	
Z5508000 - NPDES Watershed	0	\$87,569	\$0	
Z5506000 - MS4 Mapping	0	\$88,471	\$0	
Z5502000 - Santa Margarita River Watershed Activity MS4 Facilities Inspection & Cleaning Program	0	\$77,007	\$0	
Z5502001 – Volcano Fire Stabilization	0	\$1,147	\$0	
Z5509000 – NPDES Municipal Inspections	0	\$8,837	\$0	
Z5509001 – NPDES Inspections Transportation Yard	0	\$33,368	\$0	
Street Sweeping CSA 152	0	\$403,929	\$0	
Servicing Catch Basin Fossil Filter Inserts – Santa	0	\$7,050	\$0	

11. FISCAL ANALYSIS

Margarita River				
Roadside Litter Removal Program	0	\$317,319	\$0	
*Overlay, Sealing	0	\$5,030,376	-	
Total		\$6,723,341	\$0	\$870,000

***Not part of the overall NPDES Program; however, considered a significant NPDES-related activity which reduces pollutants from comingling with storm water runoff caused by deteriorated road surfaces.**

ATTACHMENT A: ANNUAL REPORT CHECKLIST

A description of the source(s) of funds that are proposed to meet the necessary expenditures for the subsequent year.

11. FISCAL ANALYSIS

Source of Funds	Capital Expenditures	Percent of Total Program Funding	Restrictions on Use (if applicable)
Gas Tax		100%	Revenues are utilized to fund the MS4 Facilities Inspections & Cleaning Program, Roadside Litter Removal Program, road BMP maintenance activities within the County Maintained Road System, and enhancement of the MS4 Mapping & GIS databases
County Service Area (CSA 152)		100%	Revenues are utilized for CSA 152 benefit area for Street Sweeping.
Landscape and Lighting Maintenance Districts (L&LMD)		100%	Revenues are utilized for designated areas within L&LMDs to maintain fossil filter catch basin inserts
Transportation Improvement Projects (TIP)		100%	Revenues are provided to fund Transportation Projects including NPDES compliance activities during and post construction (e.g., SWPPP implementation, construction of permanent BMPs)
Measure A		100%	Revenues are provided to fund Transportation Projects including NPDES compliance activities during and post construction (e.g., SWPPP implementation, construction of permanent BMPs)
Developer Fees	100%		Revenues are to be utilized for NPDES compliance on a project specific basis

11. FISCAL ANALYSIS

Capital Projects	2%		Revenues are to be utilized for NPDES compliance on a project specific basis.
General Fund			Program Management

2) Provide a narrative description of circumstances resulting in a 25 percent or greater annual change for any budget line item.

N/A

1) The following is the *County of Riverside's* summary of its effectiveness assessments as required under Section J.3 of the 2010 SMR MS4 Permit. *The Program Effectiveness reporting must include:*

a) *The results of each of the effectiveness assessments performed pursuant to J.1.b, including the demonstrated CASQA effectiveness level(s);*

12.1.a.1 Illicit Discharge Detection and Elimination Effectiveness Assessment

Table 12-1: Illicit Discharge Detection and Elimination Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Number of IC/ID reports received (F.4.e.(3))	61	Level 1
Percentage/Number of Dry Weather Source ID	1	Level 5

11. FISCAL ANALYSIS

Efforts that were completed and Findings		
Estimated volume of anthropogenic trash removed from County of Riverside MS4 facilities (tons) (F.3.a.(6)(b)(vi))	133.96	Level 4

12.1.a.2 Municipal Areas and Activities Effectiveness Assessment

Table 12-2: Municipal Areas and Activities Program Effectiveness

See document titled "Santa Margarita River Watershed Attachment E" for a description of the inspections and maintenance of MS4 Facilities.

Measureable Metrics Collected	Data	CASQA Outcome Level
Percent/Number of County of Riverside facilities with appropriate BMPs identified (F.3.a.(2)(b))	8	Level 2
Number of County of Riverside facility and MS4 operators and maintenance staff that attended Municipal training (F.6.b.(1))	17	Level 1
Estimated tons of Waste removed by County of Riverside street sweeping, (F.3.a.(5))	845.6	Level 4
Estimated tons of Waste removed from County of Riverside Open Channels (F.3.a.(6)(b))	.3	Level 4
Estimated tons of Waste removed from County of Riverside storm drain inlets (and culverts) (F.3.a.(6)(b))	6.5	Level 4

12.1.a.3 Development Planning Effectiveness Assessment

Table 12-3: Development Planning Program Effectiveness

Measureable Metric Collected	Data	CASQA Outcome Level
Number of acres of Redevelopment projects that incorporated LID-based BMPs that are built and completed (F.1.f.(1))	0	Level 5
Number of applicable planning staff that	15 – Planning	Level 1

11. FISCAL ANALYSIS

attended WQMP training (F.6.b.(1))	9- RCTD	
------------------------------------	---------	--

12.1.a.4 Private Development Construction Activity Effectiveness Assessment

Table 12-4: Private Development Construction Activity Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Construction Site inventory updated (F.2.b.)	Up to Date	Level 1
Number of construction inspection staff that attended Construction training (F.6.b.(b))	33-RCTD	Level 1

12.1.a.5 Industrial and Commercial Effectiveness Assessment

Table 12-5: Industrial and Commercial Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Industrial and Commercial Facilities inventory updated (F.3.b.(1)(a))	Up to Date	Level 1
Number of applicable Industrial and Commercial Facility inspection staff that attended Industrial-Commercial training (F.6.b.(1)(c))	16- Code Enf. 7-RCTD	Level 1

12.1.a.6 Residential Effectiveness Assessment

Table 12-6: Residential Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Gallons of used oil collected at collection events (F.3.c.(2)(c))	50049	Level 4
Total pounds collected at HHW/ABOP events (F.3.c.(2)(c))	1,465,788	Level 4

*SMR data, not Copermittee specific

12.1.a.7 Retrofit Program Effectiveness Assessment

Table 12-7: Retrofit Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Number of times the Retrofit Program has identified a potential solution to a specific identified problem	1	Level 1

11. FISCAL ANALYSIS

12.1.a.8 Public Education Effectiveness Assessment

Table 12-8: Public Education Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Number of outreach events to schools	See District Report	Level 1
Number of Public Events where outreach was conducted	See District Report	Level 1
Pounds of trash removed through watershed cleanup events	See District Report	Level 4
Number of home improvement stores provided outreach / customer education information for pesticide use	See District Report	Level 1
Number of E-Newsletters signups	See District Report	Level 2
% of E-Newsletters clicked	See District Report	Level 2

12.1.a.9 Watershed Workplan Effectiveness Assessment

Table 12-9: Watershed Workplan Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Annual Public Review Meeting conducted	1	Level 1
Updated Characterization of Receiving Water Quality	(See Below)	Level 1
Updated prioritization of water quality problems	(Refer to SMR Annual Monitoring Report, Table 41)	Level 1
Descriptions of likely sources updated	(Refer to SMR Monitoring Annual Report, Section 5.3)	Level 1
Updated BMP Implementation Strategy	(See Below)	Level 1
BMPs implemented according to schedule	(See Below)	Level 1
Number of Collaborative Meetings Attended	See footnote	Level 1

The County participates with the TAC, Executive Office Water Quality Committee meetings, and NNE meetings.

Updated Characterization of Receiving Water Quality:

11. FISCAL ANALYSIS

The overall water quality conditions of Receiving Waters within SMR appear to be getting better, based on the number of 303(d) listed constituents in the upper SMR watershed with statistically significant downward trends. Fiscal Year 2013-2014 was the second year of implementing the new JRMP and monitoring requirements for the 2010 MS4 Permit Order (R9-2010-0016). The monitoring results and follow up investigation indicated that water quality can substantially be improved upon with an effective landscape irrigation outreach and enforcement program to area residents and HOAs. Business and commercial landscape irrigations should also be evaluated in 2014-2015 for added efforts to improve water quality in Receiving Waters within SMR Watershed.

The SMR Copermittees expect that future monitoring and the associated data will foster a better understanding of Pollutants and their impacts to Receiving Waters. Results from monitoring activities/studies will continue to guide the Copermittees in assessing and managing their programs to protect Receiving Waters in the SMR to the maximum extent practicable.

Updated BMP Implementation Strategy:

The County is still implementing the current BMP Implementation Strategy per Section 4 of the Upper Santa Margarita River Watershed Workplan.

BMPs Implemented According to Schedule:

N/A

b) Response to effectiveness assessments:

See below for further information.

c) A description of any steps to be implemented to improve the Copermittees' ability to assess program effectiveness.

As previously discussed in last year's annual report, County continues its commitment toward effective and efficient program management that delivers exceptional value to the taxpayer while ensuring that receiving water quality is of the highest priority. The Department of Building & Safety, the Code Enforcement and Transportation Departments, continue to work collaboratively amongst themselves and with Regional Board staff to find creative solutions to problems out in the field. Furthermore, the County is eager to look for joint funding opportunities with other municipalities, the Flood Control District and area Water Districts, and the Development Community to bring to fruition those potential locations identified as possible retrofit opportunities. Because the County's gas tax funding is restricted, and the General Fund obligations for public safety are paramount, the joint funding of projects is crucial.

11. FISCAL ANALYSIS

This section includes proposed revisions to the Copermittees JRMP, including areas in need of improvement based on the assessment of effectiveness of each program component.

Revision to the JRMP for FY 14/15 will be as follows:

- **More clearly delineate departmental procedures in terms of IC/ID response and reporting to the Department of Environmental Health.**
- **The Executive Office is spearheading the formation of a program whereby the Transportation Department Environmental Compliance Inspectors perform inspections county-wide for all departments, both public and private facilities. It is expected to begin FY 15/16. The purpose is to ensure consistency in inspections and reporting throughout the county. The current approach whereby each individual department is responsible for its own inspections is not yielding efficient and effective results. Upon rollout, the JRMP will be updated accordingly.**

11. FISCAL ANALYSIS

Annual Report Summary Checklist	
<u>Order Requirements</u>	
Were All Requirements of Order No. R9-2010-0016 met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<u>Construction</u>	
Number of Active Sites	206
Number of Inactive Sites	40
Number of Sites Inspected	246
Number of Violations	54
Number of Construction Enforcement Actions Taken	0
<u>New Development</u>	
Number of Development Plan Reviews	269
Number of Grading Permits Issued	310
Number of Projects Exempted from Interim/Final Hydromodification Requirements	0
<u>Post Construction Development</u>	
Number of Priority Development Projects	3
Number of SUSMP Required Post-Construction BMP Inspections	15
Number of SUSMP Required Post-Construction BMP Violations	0
Number of SUSMP Required Post-Construction BMP Enforcement Actions Taken	0
<u>Illicit Discharges and Connections</u>	
Number of IC/IC Inspections	23
Number of IC/ID Detections by Staff	23
Number of IC/ID Detections from the Public	7
Number of IC/ID Eliminations	16
Number of IC/ID Violations	15
Number of IC/ID Enforcement Actions Taken	8
<u>MS4 Maintenance</u>	

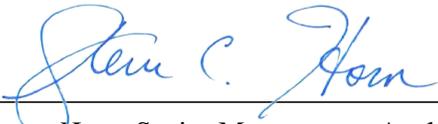
11. FISCAL ANALYSIS

Number of Inspections Conducted	1732
Amount of Waste Removed	66.77T
Total Miles of MS4 Inspected	299

ATTACHMENT A: ANNUAL REPORT CHECKLIST CONT.

Annual Report Summary Checklist (cont.)	
<u>Municipal/Commercial/Industrial</u>	See databases
Number of Facilities	
Number of Inspections Conducted	
Number of Facilities Inspected	
Number of Violations	
Number of Enforcement Actions Taken	

I certify under penalty of law that this Annual Report Summary Checklist was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signed: 
 Steven Horn, Senior Management Analyst

Follow-up Dry Weather Numeric Action Level (NAL) Investigation Reporting Form

GENERAL INFORMATION

Agency:	Riverside County Transportation Department			
Date (MM/DD/YYYY):	7/2/2014	Outfall ID:	902MS4263	
Time (24-HR):	8:00AM	Latitude (DMS):	33 ° 34 ' 5.228 "	
Weather:	Sunny	Longitude (DMS):	117 ° 6 ' 37.265 "	
Date of Last Rain (MM/DD/YYYY):	April 25, 2014 (.15 inch)			

SUMMARY OF LABORATORY ANALYSIS DATA

Complete the following based on the information received in the NAL Exceedance Notification.

NAL General Constituents (SMR MS4 Permit, Table 3.a)

Parameter	Result	Units	Exceeds NAL?		Parameter	Result	Units	Exceeds NAL?	
			Y	N				Y	N
Fecal Coliform	400	MPN/100mL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Total Nitrogen	1	mg/L	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Enterococci	61	MPN/100ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Total Phosphorous	0.1	mg/L	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Turbidity		NTU	<input type="checkbox"/>	<input type="checkbox"/>	MBAS		mg/L	<input type="checkbox"/>	<input type="checkbox"/>
pH		-	<input type="checkbox"/>	<input type="checkbox"/>	Iron		mg/L	<input type="checkbox"/>	<input type="checkbox"/>
Dissolved Oxygen		mg/L	<input type="checkbox"/>	<input type="checkbox"/>	Manganese		mg/L	<input type="checkbox"/>	<input type="checkbox"/>

NAL Priority Constituents (SMR MS4 Permit, Table 3.b)

Parameter	Result	Units	Exceeds NAL?		Parameter	Result	Units	Exceeds NAL?	
			Y	N				Y	N
Cadmium		µg/L	<input type="checkbox"/>	<input type="checkbox"/>	Lead		µg/L	<input type="checkbox"/>	<input type="checkbox"/>
Copper		µg/L	<input type="checkbox"/>	<input type="checkbox"/>	Nickel		µg/L	<input type="checkbox"/>	<input type="checkbox"/>
Chromium III		µg/L	<input type="checkbox"/>	<input type="checkbox"/>	Silver		µg/L	<input type="checkbox"/>	<input type="checkbox"/>
Chromium VI		µg/L	<input type="checkbox"/>	<input type="checkbox"/>	Zinc		µg/L	<input type="checkbox"/>	<input type="checkbox"/>

NAL INVESTIGATION INSTRUCTIONS

Begin investigation at the outfall where the NAL exceedance(s) were identified. Note observations such as strange odors, colors, or staining. Attempt to trace the discharge or signs of discharge which may have caused the NAL exceedance to its origin and identify its source. Start at **SOURCE DETERMINATION – STEP ①**. Note relevant observations in **NAL SOURCE DETERMINATION SUMMARY**. Take sufficient photographs to document the investigation and support any conclusions.

Follow-up Dry Weather Numeric Action Level (NAL) Investigation Reporting Form

SOURCE DETERMINATION – STEP ①

Is the source of the exceedance **not due to human influence** in origin and in conveyance to the MS4 and consist of either:

- Rising Groundwater;
 - Springs; or
 - Flows from riparian habitats and wetlands.
- ✓ If any of the above boxes are checked, then the source of the exceedance likely resulted from a **NATURAL SOURCE**. Skip to the **SOURCE DETERMINATION – STEP ⑥** below and select **NATURAL SOURCE** ; or
- ✓ If none of the boxes above are checked continue to **SOURCE DETERMINATION – STEP ②**.

SOURCE DETERMINATION – STEP ②

Does the source of the exceedance result from (conditionally exempt discharges):

- Diverted stream flows;
 - Uncontaminated ground water infiltration to MS4s. As defined in 40 CFR 35.3005(20), this consists of water other than wastewater that enters a sewer system (including sewer service connections and foundation drains) from the ground through such means as defective pipes, pipe joints, connections, or manholes. Infiltration does not include, and is distinguished from inflow;
 - Uncontaminated pumped ground water;
 - Foundation drains. Discharge requires enrollment under *Groundwater Extraction And Similar Discharges To Surface Waters Within The San Diego Region Except For San Diego Bay Permit*;
 - Water from crawl space pumps;
 - Footing drains. Discharge requires enrollment under *Groundwater Extraction And Similar Discharges To Surface Waters Within The San Diego Region Except For San Diego Bay Permit*;
 - Air conditioning condensation;
 - Water line flushing;
 - Discharges from potable water sources not subject to NPDES Permit No. CAG679001 (*Discharges Of Hydrostatic Test Water And Potable Water To Surface Waters And Storm Drains Or Other Conveyance Systems Within The San Diego Region*), other than water main breaks;
 - Individual residential car washing; or
 - Dechlorinated swimming pool discharges.
- ✓ If the above boxes are checked, then skip to **SOURCE DETERMINATION – STEP ⑥** below and select **EXEMPTED CATEGORY OF NON-STORMWATER DISCHARGE** .
- ✓ If none of the boxes above are checked continue to **SOURCE DETERMINATION – STEP ③**.

Follow-up Dry Weather Numeric Action Level (NAL) Investigation Reporting Form

SOURCE DETERMINATION – STEP ③

Does the source of the exceedance consist of a NPDES permitted non-stormwater discharge? Examples of NPDES permits are listed below:

- Construction General Permit
- Industrial General Permit
- De-Minimus Permit (*Groundwater Extraction And Similar Discharges To Surface Waters Within The San Diego Region Except For San Diego Bay*)
- Groundwater Permit
- Individual NPDES/WDR Permit
- Reclaimed/Recycled Water; or
- Other NPDES Permit: _____

- ✓ If any of the above boxes are checked then there may be a potential violation of a **SEPARATE NPDES PERMITTED NON-STORMWATER DISCHARGE**. Skip to **SOURCE DETERMINATION – STEP ⑥** and select **SEPARATE NPDES PERMITTED DISCHARGE**;
- ✓ If none of the boxes are checked continue to **SOURCE DETERMINATION – STEP ④**.

SOURCE DETERMINATION – STEP ④

Identify whether the source of the exceedance was caused by an illicit discharge or illegal connection:

- Unauthorized storm drain connection; or
- Evidence of an illegal discharge; or
- Non-NPDES permitted non-stormwater discharge: Irrigation Overflow

- ✓ If any of the above boxes are checked, then there may be an **ILLICIT DISCHARGE OR CONNECTION**. Skip to **SOURCE DETERMINATION – STEP ⑥** and select **ILLICIT DISCHARGE OR CONNECTION**.
- ✓ If none of the boxes are checked continue to **SOURCE DETERMINATION – STEP ⑤**.

SOURCE DETERMINATION – STEP ⑤

- ✓ The source of the exceedance is unknown. This may occur if evidence of what caused the NAL exceedance is not present. An example includes the case when no flow is observed and there are no identifying signs such as staining or odor is present. Select **INDETERMINATE SOURCE** in the **SOURCE DETERMINATION – STEP ⑥**. Provide additional details in the **NAL SOURCE DETERMINATION SUMMARY** as to why the source could not be identified.

Follow-up Dry Weather Numeric Action Level (NAL) Investigation Reporting Form

SOURCE DETERMINATION – STEP ⑥

Based on Steps ① through ⑤ of the source determination, select the likely source of the NAL exceedance:

<input type="checkbox"/> <i>NATURAL</i>	<input checked="" type="checkbox"/> <i>ILLICIT DISCHARGE OR CONNECTION</i>	<input type="checkbox"/> <i>EXEMPTED NON-STORM WATER CATEGORY</i>	<input type="checkbox"/> <i>SEPARATE NPDES PERMITTED DISCHARGE</i>	<input type="checkbox"/> <i>INDETERMINATE SOURCE</i>
Follow steps in Option A of the flow chart ¹ .	Follow Steps in Option B of the flow chart ¹ .	Follow Steps in Option C of the flow chart ¹ .	Follow Steps in Option D of the flow chart ¹ .	Follow Steps in Option E of the flow chart ¹ .

¹Refer to the Santa Margarita Region NAL Response Actions Flow Chart for further actions. When conducting focused sampling to attempt to identify an indeterminate source use the **FOCUSED SAMPLING FIELD DATA SHEET** below.

NAL SOURCE DETERMINATION SUMMARY

Based on the investigation and the weight of the evidence, it has been determined that the source of the NAL exceedance is likely due to:

Photos attached?

Riverside County Transportation Department (RCTD) performed aerial photo and field investigations.
The source of non-storm water discharge is due to irrigation overflow from residents and County Service Area (CSA) 103. Sunlight and decaying vegetative matter and improper storage of vegetation waste are most likely the cause of high bacteria levels.
Pet and wildlife wastes are likely sources of elevated fecal coliform levels as well. Irrigation overflow improper storage and over application of fertilizers are most likely the cause of elevated nutrient (total nitrogen and phosphorous) levels.

If applicable, describe enforcement actions taken:

The County of Riverside, will contact the HOA and CSA 103 to address adjustments to sprinkler timers, direction and amount of irrigation flow as well as fertilizer storage and use. The RCTD will replace "Only Rain in the Drain" curb markers at all storm drain inlets. The County will initiate an educational outreach program to HOA, CSA and area residents on proper irrigation schedules and methods, proper fertilizer application and storage, and the importance of "Only Rain in the Drain".
--

Inspector Printed Name: Claudia Steiding **Title:** Senior Transportation Planner/NPDES Coordinator

Inspector Signature: _____ **Date:** 7/3/2014

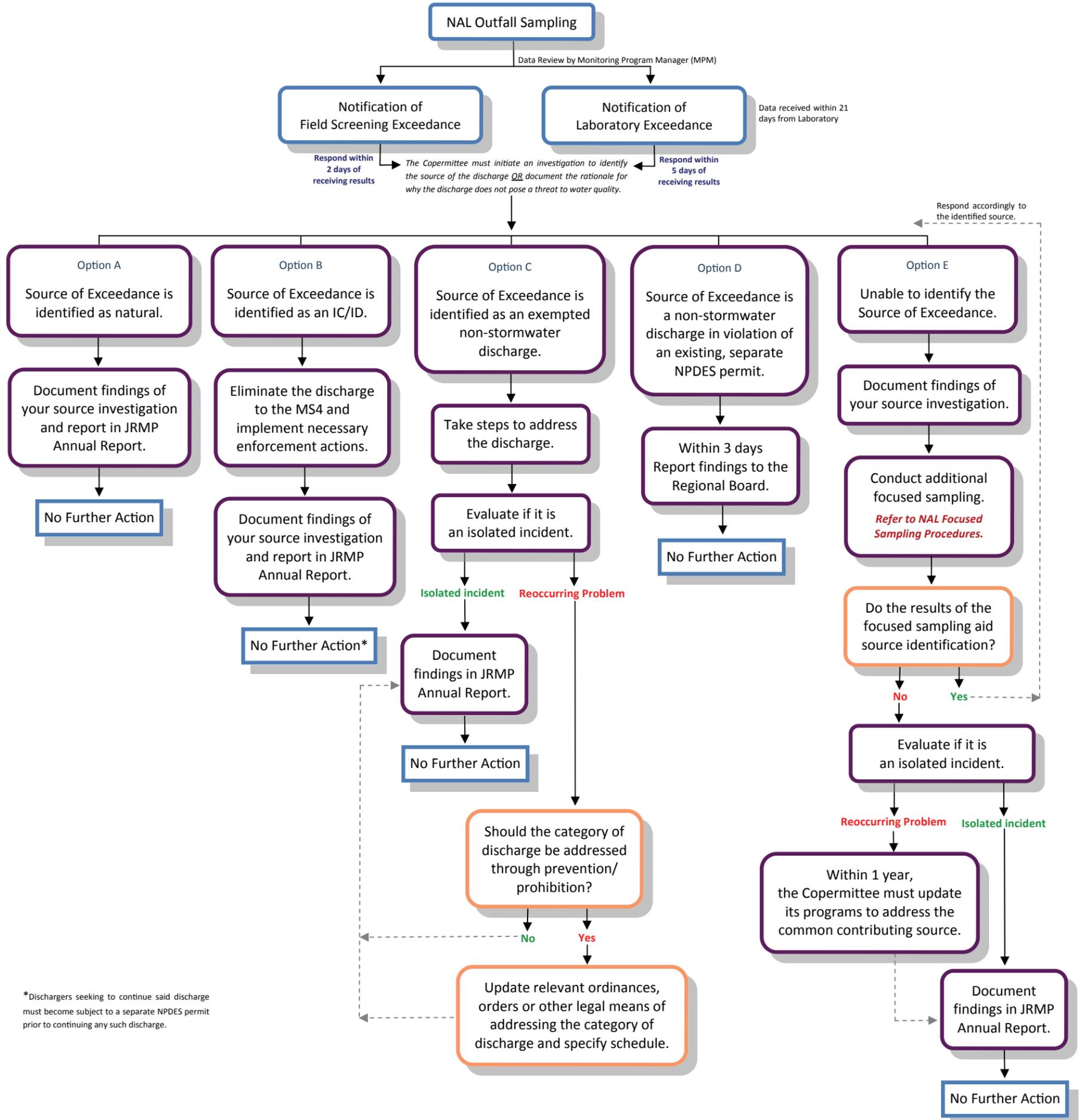
Follow-up Dry Weather Numeric Action Level (NAL) Investigation Reporting Form

FOCUSED SAMPLING FIELD DATA SHEET

Summarize focused samples in the table below. The Sample Id consists of {Outfall or Receiving Water ID} + {Letter}. Under notes provide relevant information such as the location where the sample was taken.

#	Sample ID	Date (DD/MM/YYYY)	Sample Time (24 HR)	Notes	Latitude (DMS)	Longitude (DMS)
EX	902MS4144A	10/31/2013	13:15	Collected sample at U/S catchbasin on Butterfield Stg Rd.	33°28'56.50"N	117° 04'35.72"W
1	902MS4263	6/2/2014		Collected sample at Outfall (902MS4263) on Encanto Rd.	33 34' 5.228" N	117 6' 37.265 W
2						
3						
4						
5						
6						
7						
8						
9						
10						

Santa Margarita Region NAL Response Actions Flowchart



*Dischargers seeking to continue said discharge must become subject to a separate NPDES permit prior to continuing any such discharge.



RIVERSIDE COUNTY OUTFALL - 902MS4263

- | | | | | | |
|---|---------------------------|--|---------------------|--|-----------------|
| ○ | MS4 MAJOR OUTFALLS | | RECEIVING WATER | | CITY BOUNDARY |
| ● | RCFC OUTFALLS | | RECEIVING WATER | | FREEWAY/HIGHWAY |
| ● | CITY OUTFALLS | | RCFC MS4 FACILITIES | | MAJOR ROAD |
| ● | RIVERSIDE COUNTY OUTFALLS | | CITY MS4 FACILITIES | | |



**RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT
GEOGRAPHIC INFORMATION SYSTEM**

November 27, 2012



COUNTY OF RIVERSIDE

TRANSPORTATION AND LAND MANAGEMENT AGENCY

George A. Johnson · Agency Director

Planning Department

Ron Goldman – Planning Director

December 3, 2009

Mr. Simon O. Eching
Department of Water Resources
Statewide Integrated Water Management
Water Use and Efficiency Branch
P.O. Box 942836
Sacramento, CA 94230-0001

SUBJECT: Riverside County Compliance with AB1881 – Adoption of Ordinance No. 859.2

Dear Mr. Eching:

On October 20, 2009, the County of Riverside adopted the following items for the purpose of ensuring the County's compliance with AB1881. These documents are attached for your reference.

1. Ordinance No. 859.2 – An Ordinance of the County of Riverside Amending the Water Efficient Landscape Requirements
2. Notice of Exemption
3. Resolution No. 2009-289
4. Board Policy H-25 Concerning Water Efficient Landscape for County Owned or Maintained Facilities

The revised ordinance, resolution, and Board policy capture the changes required by AB1881. Adoption of Ordinance No. 859.2 is found to be exempt from the California Environmental Quality Act because it assures the maintenance and protection of a natural resource (water) by requiring that the resource be conserved through the implementation of water-efficient landscape practices.

With the adoption of Ord. No. 859.2, the Planning Department is updating our award winning Riverside County Guide to California Friendly Landscaping to reflect the new requirements. The revised Landscaping Guide will be available in early January 2010 at the following web site www.tlma.co.riverside.ca.us/planning/content/devproc/landscape/landscape.html.

The County Planning Department maintains a Landscape Division dedicated to the implementation of Ordinance No. 859.2. This Division includes landscape professionals who review landscape plans for consistency with Ordinance No. 859.2 and other elements addressed in our Landscaping Guide. County Landscape Inspectors inspect each new landscape three times over the course of a year to ensure plant viability and irrigation functionality. Applicants are required to provide a security deposit to further ensure the installed landscape and irrigation components.

Through the efforts of the Riverside County Water Task Force, the County remains actively connected to local water agencies and stakeholders. Through that forum, the County and stays abreast of new legislation and trends that affect water efficient landscaping and regional water supply. The County, the Water Task Force, and local water purveyors continue their out-reach to the community through workshops, water symposia, promotion of water efficient public gardens, regional water conservation

messaging, and programs which integrate water efficient landscape practices at the grassroots level. More information about the Water Task Force can be found at www.h2oriversidecounty.org/ .

In addition to the information listed above, we have included a table on the following page which documents that the County's Ordinance No. 859.2 is "as effective as" the State's Model Ordinance. If you have any questions, please do not hesitate to call my staff, Kristi Lovelady, at 951-955-0781.

Very truly yours,

RIVERSIDE COUNTY PLANNING DEPARTMENT
Ron Goldman, Planning Director

Attachments:

State Ordinance/County Ordinance Comparison Table

Ordinance No. 859.2 – An Ordinance of the County of Riverside Amending the Water Efficient Landscape Requirements

Notice of Exemption

Resolution No. 2009-289

Board Policy H-25 Concerning Water Efficient Landscape for County Owned or Maintained Facilities

CC: Damian Meins, Assistant Planning Director

Kristi Lovelady, Principal Planner

Riverside County: As Effective as the State's Model Ordinance

State Model Ordinance Key Points	County Ordinance No. 859.2	Delegated to Water Purveyor	County Guide to CA Friendly Landscaping
Applicability	√+		√+
Definitions	√		
Exempt Landscapes	√		√
Landscape Documentation Pkg.	√		√+
ET Adjustment Factor	√		√
Soils Management Report	√		√+ County Inspects
Landscape Plan	√+		√+
Irrigation Plan	√		√+
Grading Design Plan	√		√
Certificate of Completion	√		√+ County Inspects
Certificate of Installation	N/A County Inspects		√+ County Inspects
Irrigation Scheduling	√		√
Maintenance Schedules	√		√
Irrigation Audit	√+		√+ County Audits New Landscapes
Complying with Water Budgets	√		√+
Recycled Water	√+		√+
Public Education	√+		√+
Programs for Existing Landscapes		√	
Water Waste Prevention	√	√	√
County Added Features			
County Landscaping Guide	√+		√+
Comprehensive Plant List	√+		√+
List of Invasive Plants			√+

√ As effective as the State's Model Ordinance

√+ Exceeds State Model Ordinance Requirements

**ORDINANCE NO. 859
(AS AMENDED THROUGH 859.2)
AN ORDINANCE OF THE COUNTY OF RIVERSIDE
AMENDING ORDINANCE NO. 859 THE WATER EFFICIENT
LANDSCAPE REQUIREMENTS**

The Board of Supervisors of the County of Riverside ordains as follows:

Section 1. Ordinance No. 859 is hereby amended in its entirety to read as follows:

Section 1. **SHORT TITLE.** This Ordinance shall be known as the Water Efficient Landscape Requirements Ordinance.

Section 2. **INTENT.** It is the intent of the Board of Supervisors in adopting this Ordinance to:

- A. Establish provisions for water management practices and water waste prevention;
- B. Establish a structure for planning, designing, installing, maintaining, and managing water efficient landscapes in new and rehabilitated projects;
- C. To reduce the water demands from landscapes without a decline in landscape quality or quantity;
- D. To retain flexibility and encourage creativity through appropriate design;
- E. To assure the attainment of water efficient landscape goals by requiring that landscapes not exceed a maximum water demand of seventy percent (70%) of its reference evapotranspiration (ET_o) or any lower percentage as may be required by state legislation, whichever is stricter;
- F. To eliminate water waste from overspray and/or runoff;
- G. To achieve water conservation by raising the public awareness of the need to conserve water through education and motivation to embrace an effective water demand management program; and
- H. To implement the requirements of the California Water Conservation in Landscaping Act 2006 and the California Code of Regulations Title 23, Division 2, Chapter 2.7.

Section 3. **DEFINITIONS.** The terms used in this Ordinance shall have the meaning set forth below:

- a. “backfilling” means to refill an excavation, usually with excavated material.
- b. “backflow prevention device” means a safety device used to prevent pollution or contamination of the water supply due to the reverse flow of water from the irrigation system.
- c. “check valve” or “anti-drain valve” means a valve located under a sprinkler head or other location in the irrigation system to hold water in the system to prevent drainage from the sprinkler heads when the system is off.
- d. “established landscape” means the point at which plants in the landscape have developed a significant root growth into the site. Typically, most plants are established after one or two years of growth.
- e. “estimated annual water use” or “EAWU” means estimated total water use per year as calculated by the formula contained in Section 5.B.12.n.

- f. “hydrozone” means a portion of the landscaped area having plants with similar water needs. A hydrozone may be irrigated or non-irrigated.
- g. “invasive species” are non-indigenous species (e.g. plants or animals) that adversely affect the habitats they invade economically, environmentally, or ecologically. Lists of invasive species are included within the Western Riverside County Multiple Species Habitat Conservation Plan and the Coachella Valley Multiple Species Habitat Conservation Plan. Said lists are hereby incorporated by reference.
- h. “landscape architect” means a person who holds a license to practice landscape architecture in the State of California.
- i. “landscaped area” or “LA” means all of the planting areas, turf areas, and water features in a landscape design plan subject to the Maximum Applied Water Allowance (MAWA) calculation. The landscape area does not include footprints of buildings, or structures, sidewalks, driveways, parking lots, decks, patios, gravel or stone walks, other pervious or impervious hardscapes, and other non-irrigated areas designated for non-development (e.g., open space and existing native vegetation).
- j. “local water purveyor” means any entity, including a public agency or private water company that provides retail water service to customers in the unincorporated area of Riverside County.
- k. “low volume irrigation” means the application of irrigation water at low pressure through a system of tubing or lateral lines and low volume emitters such as drip, to apply small volumes of water slowly at or near the root zone of plants.
- l. “Maximum Applied Water Allowance” or “MAWA” means the upper limit of annual applied water allowed for the established landscaped area.
- m. “overhead sprinkler irrigation systems” means systems that deliver water through the air (e.g. pop ups, impulse sprinklers, spray heads and rotors, etc.).
- n. “reference evapotranspiration” or “ETo” means a standard measurement of environmental parameters which affect the water use of plants. ETo is given in inches per day, month, or year. Reference evapotranspiration is used as the basis of determining the Maximum Applied Water Allowances so that regional differences in climate can be accommodated. Reference evapotranspiration numbers shall be taken from the most current EvapoTranspiration Zones Map developed by the California Department of Water Resources. For geographic areas not covered by the EvapoTranspiration Zones Map, data from nearby areas shall be used.
- o. “rehabilitated landscapes” means any re-landscaping of a project that requires a discretionary permit.
- p. “special landscape area” means an area of the landscape dedicated to edible plants, areas irrigated with recycled water, and publicly accessible areas dedicated to active play such as parks, sports fields, golf courses, where turf provides a playing field or where turf is needed for high traffic activities.
- q. “temporarily irrigated” means irrigation for the purposes of establishing plants, or irrigation which will not continue after plant establishment. Temporary irrigation is for a period of six months or less.

- r. “water-intensive landscaping” means a landscape with a WUCOLS plant factor of 0.7 or greater.
- s. “WUCOLS” means the publication entitled “Water Use Classification of Landscape Species” by the University of California Cooperative Extension (1999 or most current version).

Section 4. APPLICABILITY.

- A. The water-efficient landscape requirements contained in this Ordinance shall be applicable to all new and rehabilitated landscapes associated with residential uses (including single family and multi-family units/projects) with a total landscape area equal to or greater than 2,500 square feet which require a discretionary permit and/or approval and all new and rehabilitated landscapes associated with commercial or industrial uses which require a discretionary permit and/or approval.
- B. In the event Covenants, Conditions and Restrictions are required for any permit subject to this Ordinance, a condition shall be incorporated into any project approval prohibiting the use of water-intensive landscaping and requiring the use of low water use landscaping pursuant to the provisions of this Ordinance in connection with common area/open space landscaping. Additionally, such a condition shall also require the Covenants, Conditions and Restrictions to incorporate provisions concerning landscape irrigation system management and maintenance. This Ordinance shall not be construed as requiring landscaping of common areas or open space that is intended to remain natural. Covenants, Conditions and Restrictions shall not prohibit use of low-water use plants or the replacement of turf with less water intensive plant species.
- C. Recognizing the special landscape needs of cemeteries, new and rehabilitated landscapes within a cemetery are subject only to the provisions set forth in Sections 6.A. and 6.B. of this Ordinance.
- D. The following uses and/or projects are exempt from the provisions of this Ordinance:
 - 1. Registered local, state or federal historical sites;
 - 2. Ecological restoration projects that do not require a permanent irrigation system and have an establishment period of less than 5 years;
 - 3. Mined land reclamation projects that do not require a permanent irrigation system; and
 - 4. Botanical gardens and arboretums open to the public.

Section 5. LANDSCAPE DOCUMENTATION REQUIREMENTS. An applicant proposing any new or rehabilitated landscape for a project subject to the requirements of Section 4 of this Ordinance shall prepare and submit to the Planning Director documentation including the following: 1. project information; 2. a planting plan; 3. an irrigation design plan; 4. a soil management plan; and 5. a grading design plan. The “Riverside County Guide to California Friendly Landscaping” (Landscaping Guide) as may be periodically amended by the Planning Director is hereby incorporated by reference to assist in designing, constructing and maintaining a water efficient landscape and efficient irrigation system.

It is recommended that an applicant proposing any new or rehabilitated landscape that is designated for recycled water use consult with the appropriate local water purveyor early in the development review process to ensure that future recycled water facilities meet the projected demand and that the aforementioned plans when submitted comply with the applicable standards, approvals and implementation requirements of this Ordinance, the local water purveyor and any applicable maintenance entity.

Water systems for common open space areas shall use non-potable water if approved facilities are made available by the local water purveyor. Provisions for a non-potable water system shall be provided within the irrigation design plan. Water systems designed to utilize non-potable water shall be designed to meet all applicable standards of the applicable Regional Water Quality Control Board and the Riverside County Health Department.

A. PROJECT INFORMATION.

1. date;
2. name of applicant and contact information;
3. name of project owner and contact information;
4. project address including parcel and lot numbers;
5. total landscape area in square feet;
6. project type (e.g. new or rehabilitated, and residential, commercial, or industrial);
7. water supply (e.g. potable, well, recycled; use of recycled water is encouraged);
8. applicant's signature and date with statement, "I agree to comply with the requirements of Ordinance No. 859 and submit a complete Landscape Documentation Package."

B. PLANTING PLAN REQUIREMENTS.

1. Plant types shall be grouped together in regards to their water, soil, sun and shade requirements and in relationship to the buildings. Plants with different water needs shall be irrigated separately. Plants with the following classifications shall be grouped accordingly: high and moderate, moderate and low, low and very low. Deviation from these groupings shall be not be permitted.
2. Trees for shade shall be provided for residential, commercial and industrial buildings, parking lots and open space areas. These trees can be deciduous or evergreen and are to be incorporated to provide natural cooling opportunities for the purpose of energy and water conservation.
3. Plants shall be placed in a manner considerate of solar orientation to maximize summer shade and winter solar gain.
4. Plant selection for projects in high fire hazard areas shall address fire safety and prevention. A defensible space or zone around a building or structure is required pursuant to Public Resources Code Section 4291 and Ordinance No. 695. Fire-prone plant materials and highly flammable mulches shall be avoided.
5. Invasive species of plants shall be avoided especially near parks, buffers, greenbelts, water bodies, conservation areas/reserves and other open space areas because of their potential to cause harm to environmentally sensitive areas.

6. All exposed surfaces of non-turf areas within the developed landscape area shall be mulched with a minimum three inch (3") layer of material, except in areas with groundcover planted from flats where mulch depth shall be one and one half inches (1 1/2").
7. Stabilizing mulching products shall be used on slopes.
8. Turf areas shall be used in response to functional needs and in compliance with the water budget.
9. Decorative water features shall use re-circulating water systems.
10. Where available, recycled water shall be used as the source for irrigation and decorative water features.
11. Planting plans shall identify and site the following:
 - a. new and existing trees, shrubs, ground covers, and turf areas within the proposed landscaped area;
 - b. a planting legend indicating all plant species by botanical name and common name, spacing, and quantities of each type of plant by container size;
 - c. designation of hydrozones;
 - d. area, in square feet, devoted to landscaping and a breakdown of the total area by landscape hydrozones;
 - e. property lines, streets, and street names;
 - f. building locations, driveways, sidewalks, retaining walls, and other hardscape features;
 - g. appropriate scale and north arrow;
 - h. any special landscape areas;
 - i. type of mulch and application depth;
 - j. type and surface area of water features;
 - k. type and installation details of any applicable stormwater best management practices;
 - l. planting specifications and details, including the recommendations from the soils analysis, if applicable;
 - m. maximum Applied Water Allowance (MAWA):
 - i. Planting plans shall be prepared using the following Water Budget Formula:
$$\text{MAWA (in gallons)} = (\text{ETo})(0.62)[0.7 \times \text{LA} + 0.3 \times \text{SLA}]$$
where ETo is reference evapotranspiration
SLA is the amount of special landscape area in square feet
LA is total landscape area (including the SLA) in square feet; and
 - ii. For the purposes of determining the MAWA, average irrigation efficiency is assumed to be 0.71. Irrigation systems shall be designed, maintained, and managed to meet or exceed an average irrigation efficiency of 0.71.
 - n. Estimated Annual Water Use (EAWU):
 - i. EAWU for a given hydrozone is calculated as follows:
$$\text{EAWU (in gallons)} = (\text{ETo})(0.62)[((\text{PF} \times \text{HA})/\text{IE}) + \text{LA}]$$
where ETo is reference vapotranspiration PF is Plant Factor HA is hydrozone area in square feet IE is

- irrigation efficiency (minimum 0.71) SLA is the amount of special landscape area in square feet;
- ii. Landscaping plans shall provide EAWU (in the same units as the MAWA) for each valve circuit in the irrigation hydrozone. The sum of all EAWU calculations shall not exceed the MAWA for the project;
 - iii. The plant factor used shall be from WUCOLS. The plant factor for low water use plants range from 0 to 0.3, for moderate water use plants range from 0.4 to 0.6, and for high water use plants range from 0.7 to 1.0.
 - iv. The plant factor calculation is based on the proportions of the respective plant water uses and their plant factor, or the factor of the higher water using plant used.
 - v. The surface area of a water feature shall be included in the high water use hydrozone area of the water budget calculation and temporarily irrigated areas in the low water use hydrozone.
12. Planting plans and Irrigation plans (Section 5.C.) shall be drawn at the same size and scale.
 13. The Planting plan shall be prepared by a Landscape Architect licensed by the State of California.

C. IRRIGATION DESIGN PLAN REQUIREMENTS.

1. Irrigation systems shall be designed, maintained, and managed to meet or exceed an average irrigation efficiency of 0.71.
2. All irrigation systems shall be designed to prevent runoff, overspray, lowhead drainage and other similar conditions where water flows off-site on to adjacent property, non-irrigated areas, walk, roadways, or structures. Irrigation systems shall be designed, constructed, managed, and maintained to achieve as high an overall efficiency as possible. The irrigation system shall be designed to ensure that the dynamic pressure at each emission device is within the manufacturer's recommended pressure range for optimal performance.
3. Landscaped areas shall be provided with a smart irrigation controller which automatically adjusts the frequency and/or duration of irrigation events in response to changing weather conditions unless the use of the property would otherwise prohibit use of a timer. The planting areas shall be grouped in relation to moisture control zones based on similarity of water requirements (i.e., turf separate from shrub and groundcover, full sun exposure areas separate from shade areas, top of slope separate from toe of slope). Additional water conservation technology may be require, where necessary, at the discretion of the Planning Director.
4. Water systems for common open space areas shall use non-potable water, if approved facilities are made available by the water

- purveyor. Provisions for the conversion to a non-potable water system shall be provided within the landscape plan. Water systems designed to utilize non-potable water shall be designed to meet all applicable standards of the California Regional Water Quality Control Board and the Riverside County Health Department.
5. Separate valves shall be provided for separate water use planting areas, so that plants with similar water needs are irrigated by the same irrigation valve. All installations shall rely on highly efficient state of the art irrigation systems to eliminate runoff and maximize irrigation efficiency as required by the Landscaping Guide.
 6. Static water pressure, dynamic or operating pressure and flow reading of the water supply shall be measured. These pressure and flow measurements shall be conducted at the design stage. If the measurements are not available at the design stage, the measurements shall be conducted at the installation.
 7. The capacity of the irrigation system shall not exceed:
 - a. the capacity required for peak water demand based on water budget calculations;
 - b. meter capacity; or
 - c. backflow preventer type and device capacity.
 8. Sprinkler heads and other emission devices shall have matched precipitation rates, unless otherwise directed by the manufacturer.
 9. In mulched planting areas, the use of low volume irrigation is required to maximize water infiltration into the root zone.
 10. Slopes greater than 25 percent shall not be irrigated with an irrigation system with a precipitation rate exceeding 0.75 inches per hour. This restriction may be modified if the landscape designer specifies an alternative design or technology, as part of the landscape documentation required to be submitted pursuant to this Ordinance, and if there is a clear demonstration that no runoff or erosion will occur. Prevention of runoff and erosion must be confirmed during the irrigation audit.
 11. Long-narrow, or irregularly shaped areas including turf less than eight (8) feet in width in any direction shall be irrigated with subsurface irrigation or low-volume irrigation technology.
 12. Overhead irrigation shall not be permitted within 24 inches of any non-permeable surface. There are no restrictions on the irrigation system type if the landscape area is adjacent to permeable surfacing and no overspray and runoff occurs.
 13. Overhead irrigation shall be limited to the hours of 8 p.m. to 9 a.m.
 14. All irrigation systems shall be equipped with the following:
 - a. A smart irrigation controller as defined in Section 5.C.4. of this Ordinance;
 - b. A rain sensing device to prevent irrigation during rainy weather;
 - c. Anti-drain check valves installed at strategic points to minimize or prevent low-head drainage;
 - d. A manual shut-off valve shall be required as close as possible to the point of connection of the water supply, to

- minimize water loss in case of an emergency or routine repair;
 - e. A pressure regulator when the static water pressure is above or below the recommended operating pressure of the irrigation system;
 - f. Backflow prevention devices; and
 - g. Riser protection components for all risers in high traffic areas.
15. Dedicated landscape meters shall be required for all projects greater than 2,500 square feet except single-family residences.
16. Irrigation design plans shall identify and site the following:
- a. Hydrozones:
 - i. Each hydrozone shall be designated by number, letter or other designation.
 - ii. A hydrozone information table shall be prepared for each hydrozone;
 - b. The areas irrigated by each valve;
 - c. Irrigation point of connection (POC) to the water system;
 - d. Static water pressure at POC
 - e. Location and size of water meter(s), service laterals, and backflow preventers;
 - f. Location, size, and type of all components of the irrigation system, including automatic controllers, main and lateral lines, valves, sprinkler heads and nozzles, pressure regulator, drip and low volume irrigation equipment;
 - g. Total flow rate (gallons per minute), and design operating pressure (psi) for each overhead spray and bubbler circuit, and total flow rate (gallons per hour) and psi for each drip and low volume irrigation circuit;
 - h. Precipitation rate (inches per hour) for each overhead spray circuit;
 - i. Irrigation legend with the manufacturer name, model number, and general description for all specified equipment, separate symbols for all irrigation equipment with different spray patterns, spray radius, and precipitation rate;
 - j. Irrigation system details for assembly and installation;
 - k. Recommended irrigation schedule for each month, including number of irrigation days per week, number of start times (cycles) per day, minutes of run time per cycle, and estimated amount of applied irrigation water, expressed in gallons per month and gallons per year, for the established landscape; and
 - l. Irrigation design plans shall contain the following statement, "I agree to comply with the criteria of Ordinance No. 859 and to apply the criteria for the efficient use of water in the irrigation design plan."
17. For each valve, two irrigation schedules shall be prepared, one for the initial establishment period of six months and one for the

established landscape, which incorporate the specific water needs of the plants and turf throughout the calendar year.

18. Irrigation design plans and planting plans (Section 5.B.) shall be drawn at the same size and scale.

D. SOIL MANAGEMENT PLAN REQUIREMENTS.

1. After mass grading, the project applicant shall:
 - a. perform a preliminary site inspection;
 - b. determine the appropriate level of soil sampling and sampling method needed to obtain representative soil sample(s);
 - c. conduct a soil probe test to determine if the soil in the landscape area has sufficient depth to support the intended plants; and
 - d. obtain appropriate soil sample(s).
2. The project applicant shall submit soil sample(s) to a laboratory for analysis and recommendation. The soil analysis may include:
 - a. soil texture;
 - b. infiltration rate determined by laboratory test or soil texture infiltration rate tables;
 - c. pH;
 - d. total soluble salts;
 - e. sodium; and
 - f. recommendations.
3. The project applicant shall prepare documentation describing the following:
 - a. soil type;
 - b. identification of limiting soil characteristics;
 - c. identification of planned soil management actions to remediate limiting soil characteristics; and
 - d. submit the soil analysis report and documentation verifying implementation of soil analysis report recommendations to the County pursuant to the requirements of Section 7.C.

E. GRADING DESIGN PLAN REQUIREMENTS.

1. The landscape documentation submitted shall also include rough/precise grade elevations prepared for the project by a licensed civil engineer.

Section 6. LANDSCAPE IRRIGATION AND MAINTENANCE. This section shall apply to all projects subject to the provisions of this Ordinance as set forth in Section 4.

- A. Two irrigation schedules shall be prepared, one for the initial establishment period of six months and one for the established landscape, which incorporate the specific water needs of the plants and turf throughout the calendar year. The irrigation schedule shall take into account the particular characteristics of the soil; shall be continuously available on site to those responsible for the landscape maintenance; and shall contain specifics as to optimum run time and frequency of watering, and irrigation hours per day. The schedule currently in effect shall be posted at the controller.

- B. A regular maintenance schedule and Certificate of Completion shall be submitted to the Planning Director, property owner, and water purveyor. A regular maintenance schedule shall include, but not be limited to, routine inspection, adjustments, and repair of the irrigation system and its components; aerating and dethatching turf areas; replenishing mulch; fertilizing; pruning; weeding in all landscape areas and removing any obstruction to irrigation devices. Repair of all irrigation equipment shall be done with the originally installed components or equivalent.
- C. All model homes that are landscaped shall use signs and written information to demonstrate the principles of water efficient landscapes described in this Ordinance.
- D. Information shall be provided to owners of new, single family residential homes regarding the design, installation, management, and maintenance of water efficient landscapes.

Section 7. COMPLIANCE/PLAN SUBMITTAL PROCESS. Prior to issuance of a building permit for the project, the project applicant shall:

- A. Submit all landscape documents for review and approval by the Planning Director. The planting plan, irrigation design plan, and soils management plan shall be reviewed by an independent licensed landscape architect to ensure that all components of the plans adhere to the requirements of this Ordinance. The licensed landscape architect shall sign the plans verifying that the plans comply with this Ordinance. Any plans submitted without the signature of a licensed landscape architect shall not be accepted for review.
- B. Prior to issuance of a certificate of occupancy or final inspection for the project, a regular maintenance schedule and a Certificate of Completion shall be submitted to the Planning Director certifying that the landscaping has been completed in accordance with the approved planting, irrigation design, soil management, and grading design plans for the project. The Certificate of Completion shall be signed by a licensed landscape architect and shall indicate:
 - 1. Date;
 - 2. Project information:
 - a. Project name;
 - b. Project applicant name, telephone and mailing address;
 - c. Project address and location; and
 - d. Property owner name and mailing address;
 - 3. Prior to backfilling, evidence that the party responsible for irrigation installation conducted a preliminary field inspection of the irrigation system (evidence of field inspection shall be attached);
 - 4. The landscaping has been installed in conformance with the approved planting and irrigation design plans;
 - 5. Irrigation audit report performed by a certified irrigation auditor after project installation (audit report shall be attached);
 - 6. The smart irrigation controller has been set according to the irrigation schedule;
 - 7. The irrigation system has been adjusted to maximize irrigation efficiency and eliminate overspray and runoff; and

8. A copy of the approved landscape documentation (Section 5), the irrigation schedule (Section 6.A.) and the maintenance schedule (Section 6.B.) has been given to the property owner and local water purveyor.
 9. Verification that the maintenance schedule has been provided to the Planning Director.
- C. At a minimum, all landscape irrigation audits shall comply with the "Irrigation Association Certified Landscape Irrigation Auditor Training Manual" (2004 or most current) and shall be conducted by a certified landscape irrigation auditor.
 - D. The Planning Director or his/her designee shall have the right to enter upon the project site at any time before, during and after installation of the landscaping, to conduct inspections for the purpose of enforcing this Ordinance.

Section 2. The provisions of this Ordinance shall not take effect until thirty (30) days after its adoption.

Adopted:

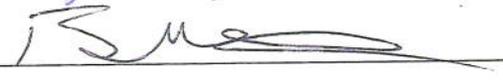
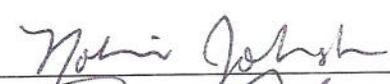
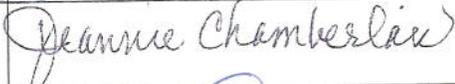
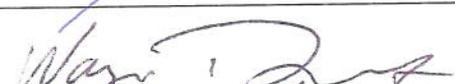
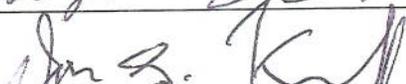
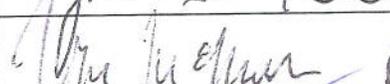
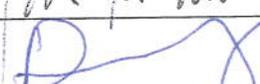
859 Item 16.1 of 12/19/2006 (Eff: 01/18/2007)

Amended:

859.1 Item 15.1 of 03/25/2008 (Eff: 04/25/2008)

859.2 Item 3.62 of 10/20/2009 (Eff: 11/19/2009)

Flood Control IC/ID NPDES Training
 Tues., 05/20/2014 from 1:00 p.m. until 5:00 p.m.
 Flood Control in Riverside

	NAME	ATTENDED	SIGNATURE
1.	Mary Ortiz Supervising CEO	Yes	
2.	Britt Starkweather Supervising CEO	Yes	
3.	Hector Viray Supervising CEO	"	
4.	Jose Cruz Sr. Code Enf. Officer	"	
5.	Nohemi Johnston Sr. Code Enf. Officer	yes	
6.	James Palmer Sr. Code Enf. Officer	YES	
7.	Michael Sanders Sr. Code Enf. Officer	No	Vacation
8.	Sara Cervantes Code Enf. Officer	yes	
9.	Jeannie Chamberlain Code Enf. Officer	"	
10.	Jacob Dietrich Code Enf. Officer	YES	
11.	Wayne Durant Code Enf. Officer	"	
12.	Jon Kirchoff Code Enf. Officer	YES	
13.	Thomas McMullen Code Enf. Officer	"	
14.	Donna Payne Code Enf. Officer	"	
15.	Brett Pollard Code Enf. Officer	YES	
16.	Jane Tate Code Enf. Officer	"	
17.	JAMES PACE CODE ENF. OFFICER	yes	
18.		-	

IC/ID = Illicit Connections / Illicit Discharge



Construction

9/25/2013

AM

@ Temecula

<u>Department</u>	<u>Name Last</u>	<u>Name First</u>	<u>Municipality</u>	<u>Phone</u>	<u>Email</u>
TLMA	Maxwell	Ward	County of Riverside	9519558614	
Transportation	Hylkema	David	County of Riverside	9518506075	
Transportation	Martinez	Alfredo	Riverside County	(951) 955-0086	Almartin@rctlma.org
Transportation	Martinez	Joseph	Riverside County	(951) 892-5587	Josmarti@rctlma.org
Transportation	Munoz	Gabriel	Riverside County	(951) 955-6885	Gmunoz@rctlma.org
Transportation	Nguyen	Trai	Riverside County	(951) 961-9363	tnnguyen@rctlma.org
Transportation	Ramirez	Devona	Riverside County	(951) 955-6885	dlramire@rctlma.org
Transportation	Robbins	Justin	Riverside County	(951) 955-6885	Jrobbins@rctlma.org

9/30/2013

PM

@

<u>Department</u>	<u>Name Last</u>	<u>Name First</u>	<u>Municipality</u>	<u>Phone</u>	<u>Email</u>
Transportation	Axtell	Freeman	Riverside County	9518506084	
Transportation	Castillo	Paul	Riverside County	(951) 955-6885	Pcastill@rctlma.org
Transportation	Gutierrez	Cesar	Riverside County	(951) 640-3221	Ctgutier@rctlma.org
Transportation	Hughes	Mark	Riverside County	(951) 955-6767	Marhughe@rctlma.org
Transportation	Jackson	William	Riverside County	9519615500	
transportation	Wann	Steve	Riverside County	9519556885	
Transportation	Yassa	George	Riverside County	(951) 955-1834	Gyassa@rctlma.org
Transportation	Yzaguirre	Alec	Riverside County	(951) 955-6885	Ayzaquir@rctlma.org

10/15/2013

AM

@ Palm Springs

<u>Department</u>	<u>Name Last</u>	<u>Name First</u>	<u>Municipality</u>	<u>Phone</u>	<u>Email</u>
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Construction**10/15/2013****AM****@ Palm Springs**

<u>Department</u>	<u>Name Last</u>	<u>Name First</u>	<u>Municipality</u>	<u>Phone</u>	<u>Email</u>
Transportation	Lohr	Eric	Riverside County	(951) 955-1845	elohr@rctlma.org
Transportation	Sison	Nick	Riverside County	(951) 955-6778	Nsison@rctlma.org

4/17/2014**AM****@ Temecula**

<u>Department</u>	<u>Name Last</u>	<u>Name First</u>	<u>Municipality</u>	<u>Phone</u>	<u>Email</u>
Transportation	Berg	Doug	Riverside County	(951) 955-8423	dberg@rctlma.org
Transportation	Cho	Benjie	Riverside County	(951) 961-6366	bcho@rctlma.org
Transportation	Mendoza	Claudia	Riverside County	(951) 955-6794	cmendoza@rctlma.org
Transportation	Nicholson	Dan	Riverside County	(951) 955-6790	djnichol@rctlma.org
Transportation	Steiding	Claudia	Riverside County	(951) 955-1694	Csteiding@rctlma.org
Transportation	Wagner	Jeremy	Riverside County		Jwagner@rctlma.org

5/6/2014**AM****@ Palm Springs**

<u>Department</u>	<u>Name Last</u>	<u>Name First</u>	<u>Municipality</u>	<u>Phone</u>	<u>Email</u>
Transportation	Ashlock	John	Riverside County	(955) 951-1511	jashlock@rctlma.org

5/15/2014**AM****@ RCFC**

<u>Department</u>	<u>Name Last</u>	<u>Name First</u>	<u>Municipality</u>	<u>Phone</u>	<u>Email</u>
EDA	Crispin	Marc	Riverside County	(951) 955-0167	MCrispin@rivcoeda.org
EDA	Rossmann	Jim	Riverside County	(951) 955-4560	JRossmann@rivcoeda.org
Transportation	Gibbon	Jarrold	Riverside County	(951) 955-3185	Jgibbon@rctlma.org
Transportation	Gillette	Kevin	Riverside County	(951) 955-6793	kgillette@rctlma.org
Transportation	Hull	Derrick	Riverside County	(951) 955-6792	dlhull@rctlma.org
Transportation	King	Scot	Riverside County		Rcking@rctlma.org
Transportation	Meyer	Julie	Riverside County	(951) 955-6790	jumeyer@rctlma.org

Construction**5/15/2014 AM @ RCFC**

<u>Department</u>	<u>Name Last</u>	<u>Name First</u>	<u>Municipality</u>	<u>Phone</u>	<u>Email</u>
Transportation	Roth	Luana	Riverside County	(951) 955-6888	lroth@rctlma.org
Transportation	Soares	Adriana	Riverside County	(951) 955-1862	ASoares@rctlma.org
Transportation	Trinidad	Chris	Riverside County	(951) 955-8116	Ctrinida@rctlma.org

IC/ID**9/30/2013 AM @ RCFC**

<u>Department</u>	<u>Name Last</u>	<u>Name First</u>	<u>Municipality</u>	<u>Phone</u>	<u>Email</u>
Transportation	Soares	Adriana	Riverside County	(951) 955-1862	Asoares@rctlma.org

5/20/2014 PM @ RCFC

<u>Department</u>	<u>Name Last</u>	<u>Name First</u>	<u>Municipality</u>	<u>Phone</u>	<u>Email</u>
Code Enforcement	cervantes	Sara	Riverside County		scervant@rctlma.org
Code Enforcement	Chamberlain	Jean	Riverside County	(951) 791-3915	jchamber@rctlma.org
Code Enforcement	Cruz	Jose	Riverside County		jcruz@rctlma.org
Code Enforcement	Dietrich	Jacob	Riverside County		JADIETRI@rctlma.org
Code Enforcement	Durant	Wayne	Riverside County		WDURANT@rctlma.org
Code Enforcement	johnston	Nohemi	Riverside County		njohnsto@rctlma.org
Code Enforcement	Kirchoff	Jon	Riverside County		jkirchof@rctlma.org
Code Enforcement	McMullen	Tom	Riverside County		tmcmulle@rctlma.org
Code Enforcement	Ortiz	Mary	Riverside County	(951) 955-9549	maortiz@rctlma.org
Code Enforcement	Palmer	James	Riverside County	(951) 791-3900	jpalmer@rctlma.org
Code Enforcement	Payne	Donna	Riverside County		DPAYNE@rctlma.org
Code Enforcement	Pollard	Brett	Riverside County		BRPOLLAR@rctlma.org

IC/ID**5/20/2014 PM @ RCFC**

<u>Department</u>	<u>Name Last</u>	<u>Name First</u>	<u>Municipality</u>	<u>Phone</u>	<u>Email</u>
Code Enforcement	Starkweather	Britt	Riverside County	(951) 776-3233	bstarkwe@rctlma.org
CODE ENFORCEMENT	TATE	JANE	Riverside County	(951) 892-1371	JTATE@RCTLMA.ORG
Code Enforcement	viray	hector	Riverside County	(951) 696-1606	hviray@rctlma.org
TLMA	Soares	Adriana	Riverside County		
TLMA Code Enforcement	Pike	James	Riverside County		
Transportation	Gibbon	Jarrold	Riverside County		JGibbon@rctlma.org
Transportation	King	Scot	Riverside County		SCKing@rctlma.org
Transportation	Trinidad	Chris	Riverside County		CTRinida@rctlma.org
Transportation	Wagner	Jeremy	Riverside County		JWagner@rctlma.org

Industrial-Commercial**4/29/2014 PM @ Temecula**

<u>Department</u>	<u>Name Last</u>	<u>Name First</u>	<u>Municipality</u>	<u>Phone</u>	<u>Email</u>
Transportation	Steiding	Claudia	Riverside County	(951) 955-1694	CSteiding@rctlma.org
Transportation	Wagner	Jeremy	Riverside County		JWagner@rctlma.org

5/21/2014 AM @ RCFC

<u>Department</u>	<u>Name Last</u>	<u>Name First</u>	<u>Municipality</u>	<u>Phone</u>	<u>Email</u>
Transportation	Gibbon	Jarrold	Riverside County		JGibbon@rctlma.org
Transportation	King	Scot	Riverside County		SCKing@rctlma.org
Transportation	Trinidad	Chris	Riverside County		CTRinida@rctlma.org

Municipal

Municipal

10/8/2013	PM	@ RCFC				
<u>Department</u>	<u>Name Last</u>	<u>Name First</u>	<u>Municipality</u>	<u>Phone</u>	<u>Email</u>	
Transportation	Abdulovski	Marven	Riverside County	(951) 955-2062	SPMcfarl@rctlma.org	
Transportation	Wampler	Cathy	Riverside County	(951) 955-6803	Cwampler@rctlma.org	
4/29/2014	AM	@ Temecula				
<u>Department</u>	<u>Name Last</u>	<u>Name First</u>	<u>Municipality</u>	<u>Phone</u>	<u>Email</u>	
Transportation	Berg	Doug	Riverside County	(951) 955-8423	dberg@rctlma.org	
Transportation	Cho	Benjie	Riverside County	(951) 961-6366	bcho@rctlma.org	
Transportation	Mendoza	Claudia	Riverside County	(951) 955-6794	cmendoza@rctlma.org	
Transportation	Nicholson	Dan	Riverside County	(951) 955-6790	djnichol@rctlma.org	
Transportation	Steiding	Claudia	Riverside County	(951) 955-1694	Csteiding@rctlma.org	
Transportation	Wagner	Jeremy	Riverside County		Jwagner@rctlma.org	
4/29/2014	AM	@ Temecula				
<u>Department</u>	<u>Name Last</u>	<u>Name First</u>	<u>Municipality</u>	<u>Phone</u>	<u>Email</u>	
Transportation	Steiding	Claudia	Riverside County	(951) 955-1694	csteiding@rctlma.org	
Transportation	Wagner	Jeremy	Riverside County		jwagner@rctlma.org	
5/21/2014	PM	@ RCFC				
<u>Department</u>	<u>Name Last</u>	<u>Name First</u>	<u>Municipality</u>	<u>Phone</u>	<u>Email</u>	
Transportation	Gibbon	Jarod	Riverside County	(951) 955-3185	jgibbon@rctlma.org	
Transportation	Hahn	Brigitte	Riverside County	(951) 955-6263	bhahn@rctlma.org	
Transportation	Hughes	Mark	Riverside County	(951) 955-6767	marhughe@rctlma.org	
Transportation	King	Scott	Riverside County	(951) 955-2268	scking@rctlma.org	
Transportation	Soares	Adriana	Riverside County	(951) 955-1862	asoares@rctlma.org	
Transportation	Trinidad	Chris	Riverside County	(951) 955-8116	ctrinida@rctlma.org	

Municipal**5/21/2014 PM @ RCFC**

<u>Department</u>	<u>Name Last</u>	<u>Name First</u>	<u>Municipality</u>	<u>Phone</u>	<u>Email</u>
Transportation	Woodard	David	Riverside County	9519554233	

Transportation Project Guidance**10/22/2013 AM @ RCFC**

<u>Department</u>	<u>Name Last</u>	<u>Name First</u>	<u>Municipality</u>	<u>Phone</u>	<u>Email</u>
Transportation	Mendoza	Jesse	Riverside County	(951) 955-6885	Jesmendo@rctlma.org
Transportation	Robbins	Justin	Riverside County	(951) 955-9824	JRobbins@rctlma.org
Transportation	Tolentino	Cesar	Riverside County	(951) 955-1520	Ctolenti@rctlma.org

6/3/2014 PM @ RCFC

<u>Department</u>	<u>Name Last</u>	<u>Name First</u>	<u>Municipality</u>	<u>Phone</u>	<u>Email</u>
Transportation	Cornejo	Jose	Riverside County	(951) 955-6781	jcornejo@rctlma.org
Transportation	Craig	Brett	Riverside County	(951) 955-6819	brcraig@rctlma.org
Transportation	Huynh	Andy	Riverside County	(951) 955-6787	ahuynh@rctlma.org
Transportation	Krantz	Michael	Riverside County	(951) 955-6809	mkrantz@rctlma.org
Transportation	Marcinek	John	Riverside County	(951) 955-3727	mmarcine@rctlma.org
Transportation	Martinez	Alfredo	Riverside County	(951) 955-0086	almartin@rctlma.org
Transportation	Mueting	Michael	Riverside County	(951) 955-1642	mmueting@rctlma.org
Transportation	Ramos	Gilbert	Riverside County	(951) 955-6813	gramos@rctlma.org
Transportation	Saglam	Tayfun	Riverside County	(951) 955-2871	tsaglam@rctlma.org
Transportation	Steiding	Claudia	Riverside County	(951) 955-1694	CSTEIding@rctlma.org
Transportation	Wampler	Cathy	Riverside County	(951) 955-6803	cwampler@rctlma.org

WQMP-SA/SM**9/25/2013****PM****@ temecula**

<u>Department</u>	<u>Name Last</u>	<u>Name First</u>	<u>Municipality</u>	<u>Phone</u>	<u>Email</u>
Flood Control	Martin	Michele	Riverside County	(951) 955-1320	mmmartin@rcflood.org
Transportation	Crissman	Chris	Riverside County	(951) 955-6770	Ccrissma@rctlma.org
Transportation	De Sagun	Dennis	Riverside County	(951) 955-0342	Ddesagun@rctlma.org
Transportation	Martinez	Alfredo	Riverside County	(951) 955-0086	ALmartin@rctlma.org
Transportation	Tsang	Kevin	Riverside County	(951) 955-6828	Ktsang@rctlma.org

10/17/2013**PM****@ RCFC**

<u>Department</u>	<u>Name Last</u>	<u>Name First</u>	<u>Municipality</u>	<u>Phone</u>	<u>Email</u>
Flood Control	Martin	Michele	Riverside County	(951) 955-1320	mmmartin@rcflood.org
Transportation	Khorashadi	Farah	Riverside County	(951) 955-2091	FKHORASH@rctlma.org
Transportation	Tadessee	Tesfu	Riverside County	(951) 955-8571	Ttadesse@rctlma.org

5/15/2014**PM****@ RCFC**

<u>Department</u>	<u>Name Last</u>	<u>Name First</u>	<u>Municipality</u>	<u>Phone</u>	<u>Email</u>
EDA	Alfred	John	Riverside County	(951) 955-4844	JAlfred@rivcoeda.org
EDA	Ballesteros	Laura	Riverside County	(951) 955-9619	LBallesteros@rivcoeda.org
EDA	Cano	Nancy	Riverside County	(951) 955-0392	NCano@rivcoeda.org
EDA	Gonzales	Frank	Riverside County	(951) 955-8467	FGonzales@rivcoeda.org
EDA	Medellin	Rita	Riverside County	(951) 955-0395	RMedellin@rivcoeda.org
EDA	Pena	Sergio	Riverside County	(951) 955-2809	SEPena@rivcoeda.org
EDA	Perez	Gloria	Riverside County	(951) 955-9056	GPerez@rivcoeda.org
EDA	Sydow	Erik	Riverside County	(951) 955-8274	ESydow@rivcoeda.org
EDA	Tsagris	Rebecca	Riverside County	(951) 955-8764	RTsagris@rivcoeda.org
Transportation	Gibbon	Jarrod	Riverside County		JGIBBON@RCTLMA.ORG

WQMP-SA/SM

5/15/2014 PM @ RCFC

<u>Department</u>	<u>Name Last</u>	<u>Name First</u>	<u>Municipality</u>	<u>Phone</u>	<u>Email</u>
Transportation	Steiding	Claudia	Riverside County	(951) 955-1694	CSTEIDing@rctlma.org

6/11/2014 AM @ Murrieta

<u>Department</u>	<u>Name Last</u>	<u>Name First</u>	<u>Municipality</u>	<u>Phone</u>	<u>Email</u>
general	Huddleston	Paul	Riverside County	(951) 509-7031	phuddleston@roadrunner.com

CITY OF MURRIETA ANNUAL PROGRESS REPORT

Reporting Period
July 1, 2013 to June 30, 2014

Santa Margarita River Watershed



FOR
SAN DIEGO REGIONAL WATER QUALITY CONTROL BOARD
(ORDER NO. R9-2010-0016)

**SANTA MARGARITA WATERSHED NPDES
MUNICIPAL STORMWATER PERMIT
(NPDES No. CAS0108766)**

**JURISDICTIONAL RUNOFF
MANAGEMENT PROGRAM (JRMP)
ANNUAL REPORT**

FOR

**CITY OF MURRIETA
FISCAL YEAR 2013 – 2014**

October 31, 2014

Certification

- I. Executive Summary
- II. Introduction
 1. Development Planning
 2. Construction
 3. Municipal
 4. Industrial/Commercial
 5. Residential
 6. Retrofitting Existing Development
 7. Illicit Discharge Detection and Elimination
 8. Workplans
 9. Non-Stormwater Discharges
 10. Receiving Water Limitations
 11. Fiscal Analysis
 12. Assessment and Response Reporting
 13. Conclusions
 14. Recommendations
- Appendix A Annual Report Checklist

ORDER NO. R9-2010-0016

Submitted to

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

SAN DIEGO REGION

II. EXECUTIVE SUMMARY

CERTIFICATION



I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signed: _____

Robert K. Moehling
ROBERT K. MOEHLING, P.E.
CITY ENGINEER

I. EXECUTIVE SUMMARY

This Annual Progress Report describes the current status of the storm water management program for the City of Murrieta (City) in the Santa Margarita River Watershed. The reporting period is for fiscal year 2013 / 2014 beginning July 1, 2013 and ending June 30, 2014. Each section addresses individual programs that were implemented to comply with the requirements of the municipal separate storm sewer system permit (MS4 Permit) issued to the Santa Margarita Watershed Permittees by the San Diego Regional Water Quality Control board on November 10, 210 (Order No. R9-2010-0016).

Overall, water quality conditions in SMR receiving waters appear to be getting better, based on the number of Clean Water Act (CWA) Section 303(d)-listed constituents in the Upper Santa Margarita River Watershed with statistically significant downward trends. Pollutants with upward trends are in the process of being addressed by the Copermitees through their management programs and activities. Samples exhibiting toxicity are no longer persistent at the mass loading stations, largely attributed to the decreasing detections of pesticides. While all So Call IBI scores have been trending downward, there is a direct correlation, particularly at Temecula Creek, that the So Cal IBI scores may be impacted by multiple years of drought.

II. INTRODUCTION

The City of Murrieta previously had approximately 375 acres of land in the most northern portion of the city in the Santa Ana Watershed (Region 8). The City requested to be regulated by one MS4 permit, pursuant to the Water Code section 13228. Subsequently, both the Santa Ana and San Diego Regional Boards approved this request. However, Murrieta must continue to comply with the Total Maximum Daily Load (TMDL) requirements for Lake Elsinore and Canyon Lake.

A large part of the Education Program is covered through the Implementation Agreement with Riverside County Flood Control (RCFC). RCFC contracts with S. Goner Associates for the Public Education Program which included education to school students, stores, businesses, contractors, etc. This information is included in the RCFC's Annual Report. In addition, the City has organized and conducted Household Hazardous Waste Collection Events on Fall (9/7/13) and Spring (3/22/14); a Community Cleanup Event on December 7, 2013; added three links to Water Board Video's on the City's website; and add "Saving Water in Your Yard" by Rancho California Water District to the City cable channel. They are broadcast on Verizon channel 33 and Time Warner channels 3 and 29. The City Employees participate in annual training. Waste Management is the city wide trash collection company which allows residents 3 free bulk item curb side pickups each year as part of their weekly service. Lastly, residences can drop off used oil, latex paint, batteries and anti freeze at the ABOP collection facility on 25315 Jefferson Avenue at Murrieta Hot Springs Road.

The City updated the Stormwater Ordinance which prohibits discharges per the current NPDES permit. City Council approved the Ordinance on July 3, 2012. The NPDES permit is defined in the Ordinance as any NPDES permit setting waste water discharge requirements for discharges from the MS4's draining the City of Murrieta. And Prohibited discharges which contains any pollutant from public or private property to the MS4 system which are otherwise prohibited by the NPDES permit. Note that the Stormwater Ordinance is worded such that it does not require updating when the NPDES permit changes, thus allowing the Regional Permit to go into effect once the MS4 Permit expires.

The City adopted the Jurisdictional Runoff Management Plan (JRMP) on June 26, 2012. The JRMP describes the specific runoff management programs and activities implemented to comply with the requirements of the MS4 permit.

The City recently received a construction inspection audit report from the San Diego Water Board. As a result, the City anticipates making updates to the Stormwater Ordinance, JRMP, Municipal Code, and possibly the Grading Manual. Any updates will be reported in next year's 2014/15 Annual Report.

**1. DEVELOPMENT PLANNING
(SECTION F.1. of ORDER NO. R9-2010-0016)**

New Development

1) General Plan/Environmental Review K.3.c.(4)1

- a) Description of any amendments/updates to the General Plan as required by Section F.1.a. of the 2010 SMR MS4 Permit:** The 2035 General Plan update was adopted on 7/19/2011. This update adopted policies to utilize Low Impact Development techniques to manage storm water, minimize surface runoff, retain and restore natural drainage courses and their function where health and safety are not jeopardized.

Description of any amendments/updates to the environmental review process as required by Section F.1.b. of the 2010 SMR MS4 Permit. All projects, regardless if they are Priority Development Projects (PDP) or not, are checked to confirm they comply with the 2010 MS4 permit and if, a 401 water quality certification is required. A WQMP Applicability Checklist is required to be completed by the applicant and Preliminary WQMP is submitted if applicable. Where a project specific WQMP is not applicable, the project will be required to incorporate BMP's.

Description of any planned updates to the General Plan or the environmental review process within the next Annual Reporting period as required by Sections F.1.a.&b of the 2010 SMR MS4 Permit. No updates are planned.

2) SSMP status as required under Section F.1.d. of the 2010 SMR MS4 Permit K.3.c.(4)2.

Description of all revisions to the SSMP, including where applicable:

- a) Identification and summary of where the SSMP fails to meet the requirements of the 2010 SMR MS4 Permit as required under Section F.1.d. of the 2010 SMR MS4 Permit:** The WQMP (aka SSMP) was conditionally approved in a letter dated 9/16/13 by the Executive Officer. There are a few items listed in this letter that must be removed or revised and resubmitted to the Regional Board for approval; items include no credit for removal of existing impervious surfaces and Public Works Projects meeting the PDP requirements must meet retention and hydromodification requirements.
- b) Updated procedures for identifying Pollutants of Concern for each Priority Development Project as required under Section F.1.d.(3) of the 2010 SMR MS4 Permit:** Tables 2-1 and F-1, "Potential Pollutants by Land Use Type" provides this information. These tables are found in the approved 2014 WQMP which also directs one to the link for 303(d) listing with the impairments of the water body. Each project must identify their project pollutants and pay special attention to pollutants of concern of the

**1. DEVELOPMENT PLANNING
(SECTION F.1. of ORDER NO. R9-2010-0016), CONT**

impaired water body.

- c) **Updated Treatment Control BMP ranking matrix as required by Section F.1.d.(6)(b)(i) of the 2010 SMR MS4 Permit:** Treatment Control BMP ranking matrix is found in Appendix E, BMP Pollutant Removal Effectiveness, of the 2014 WQMP. It is also known as Design Handbook for Low Impact Development Best Management Practices prepared by Riverside County Flood Control.

- d) **Updated site design and Treatment Control BMP design standards as required by Sections F.1.d.(4)(c)(i) and F.1.d.(6)(b)(ii) of the 2010 SMR MS4 Permit.** LID site design requirements have been incorporated into the approved 2014 WQMP. Treatment Control BMP design standards are in the Design Handbook for Low Impact Development Best Management Practices prepared by Riverside County Flood Control.

3) Priority Development Projects K.3.c.(4)3

- a) **The City of Murrieta reviewed and approved four (4) Priority Development Projects during the reporting period.** Sugarberry by KB Homes, The Ridge by DR Horton on Monroe, Veneto Apartment at SCGA, and TPM 33621 Condos

- b) **The following LID and Source Control BMPs were required as applicable approved Priority Development Projects as required by the 2010 SMR MS4 Permit:**

Reference	LID BMP Requirements
F.1c.(2)(a)	Conserve natural areas, including existing trees, other native vegetation, and soils.
F.1c.(2)(b)	Construct streets, sidewalks, or parking lots aisles to the minimum widths necessary, provided that public safety is not compromised.
F.1c.(2)(c)	Minimize the impervious footprint of the project
F.1c.(2)(e)	Minimize disturbances to natural drainages
F.1c.(2)(f)	Disconnect impervious surfaces through distributed pervious areas
F.1c.(2)(b)(ii)	Construct pervious areas to effectively receive and infiltrate, retain and/or treat Runoff from Pervious areas, and to minimize soil compaction in these areas
F.1c.(2)(c)(i)	Structural Infiltration BMPs
F.1c.(2)(c)(i)	Structural Harvest and Use BMPs
F.1c.(2)(c)(ii)	Structural Bioretention BMPs

**1. DEVELOPMENT PLANNING
(SECTION F.1. of ORDER NO. R9-2010-0016), CONT**

Source Control BMP Requirements	
F.1.d.(5)(a)	Prevent illicit discharges into the MS4
F.1.d.(5)(b)	Minimize storm water pollutants of concern in runoff
F.1.d.(5)(c)	Eliminate irrigation runoff
F.1.d.(5)(d)	Include storm drain system stenciling or signage
F.1.d.(5)(e)	Include properly designed outdoor material storage areas
F.1.d.(5)(f)	Include properly designed outdoor work areas

- c) **The following process was implemented to verify that Site Design, Source Control, and Treatment Control BMPs were required on all applicable Priority Development Projects as required under Section F.1.d.(9) of the 2010 SMR MS4 Permit:** Every project must go through Planning Department which includes the checklist to determine if a WQMP is required. Additional Engineering Department confirms if a WQMP is required. If one is required, then Engineering reviews the Preliminary WQMP to make certain the proposed project has incorporated Site Design, Source Control, and Treatment Control BMP's.
- 4) **Following are the names and locations of all Priority Development Projects that were granted a waiver from implementing LID BMPs pursuant to Section F.1.d.(4) of the 2010 SMR MS4 Permit K.3.c.(4)4:** No PDP has been granted a waiver from implementing LID BMP's. All PDP's have been required to treat onsite.
- 5) **Treatment Control BMPs K.3.c(4)5**
- a) **A current copy of the City of Murrieta BMP maintenance tracking database of approved Treatment Control BMPs and Treatment Control BMP maintenance required under F.1.f.(1) of the 2010 SMR MS4 Permit is in Attachment A on a Excel spreadsheet. This database includes an identification of all high-priority Priority Development Projects that have a final approved Project-Specific WQMP and their structural post-construction BMPs implemented since July 2005.**
- b) **The City of Murrieta verifies that the following structural post-construction BMPs on the inventoried WQMP projects have been implemented, are maintained, and are operating effectively through inspections, self-certifications, surveys, or other equally effective approaches as required under the 2010 SMR MS4 Permit:**

**1. DEVELOPMENT PLANNING
(SECTION F.1. of ORDER NO. R9-2010-0016), CONT**

Reference	LID BMP Requirements
F.1c.(2)(a)	The implementation, operation, and maintenance of all (100 percent) approved and inventoried final public and private Project-Specific WQMPs are verified every five years
F.1c.(2)(b)	All (100 percent) projects with BMPs that are high priority are inspected annually prior to each Rainy Season
F.1c.(2)(c)	All (100 percent) of the Priority Development Projects with BMPs are inspected annually
F.1c.(2)(d)	As appropriate, the City of Murrieta coordinates its inspections with the facility inspections implemented pursuant to Section F.3 of the 2010 SMR MS4 Permit
F.1c.(2)(e)	For verifications performed through a means other than direct inspection by the City of Murrieta, adequate documentation is required to provide assurance that the required maintenance has been completed
F.1c.(2)(f)	Appropriate follow-up measures (including re-inspections, enforcement, maintenance. Etc.) are conducted to ensure the Treatment Control BMPs continue to reduce Storm Water Pollutants as originally designed
F.1c.(2)(b)(i)	Inspections note observations of vector conditions, such as mosquitoes. Where conditions are identified as contributing to mosquito production, the City of Murrieta notifies its local vector control agency.

- 6) The following Priority Development Projects have been required to implement hydrologic control measures to protect downstream Beneficial Uses and prevent adverse physical changes to downstream channels in compliance with Section F.1.h of the 2010 SMR MS4 Permit K.3.c.(4)6: The projects shown below have implemented hydrologic control based on detaining the increased runoff for the 10-year storm event for development larger than 1-acre. The HMP had not been approved yet so continuous simulation was not used.

Name	Location	Planned Management Measures
Sugarberry by KB Homes	Sugarberry @ Lincoln	Bio-retention basin, CB inserts and Filterra type CB inserts
Veneto Apartments @ SCGA Golf Course	MHS Rd., Clear Brook, Via Princesa	Filtration trench, bioswales, CB inserts
The Ridge by DR Horton	Monroe across from Calvary Church	Project was previously graded so conventional CB inserts were used

**1. DEVELOPMENT PLANNING
(SECTION F.1. of ORDER NO. R9-2010-0016), CONT**

7) The following table provides a description of all activities related to the enforcement of the Stormwater Ordinance in New Development and Redevelopment Projects in the City of Murrieta jurisdiction as required under Section F.1.g. of the 2010 SMR MS4 Permit during the reporting period and a summary of the effectiveness of the enforcement activities K.3.c.(4)7:

Violation	Project Name & Address	Enforcement Action	Effectiveness
SWPPP	Palmilla Shopping Center on Jackson at Nutmeg	Written notices and \$3,800 fines	Is now complying with permit requirements

**1. DEVELOPMENT PLANNING
(SECTION F.1. of ORDER NO. R9-2010-0016)**

ATTACHMENT A

Structural Post-Construction BMP Inspections ~ Private Development

All City/WP/Common/Engineer/WQMP Structural Post-Construction BMP Inspection - Private.xls

PROJECT GENERAL INFORMATION					Priority (Low or High)	Construct Date	Inspect Date	Structural BMP Type	Responsible Party			Refer to Vector Agency	CONTACT Name, address, phone
Facility Name	Project Location			Project Type					POA / HOA	Observation	Maintenance / Action		
	Street Address	Cross Street	Site (Acres)										
Paradise Watersports	41085 Golden Gate Cir, 92562 - tributary to Warm Springs Creek, boat sales / showroom	Madison St., PM 21997, Pcl 13	2.2	Commercial	High	2006	9/18/12	CB Inserts	no	debris in drop inlet WQ inserts	remove debris from insert and install one 12 x 12 insert	No	Brian Mckeehan, 41085 Golden Gate Cir, 951-973-7340, brian@paradisessocal.com
Date-Margarita Office Condos	39755 Date St, 92563, medical offices in 2-3 story building	Margarita, PM 29083, Pcls 2-5	2.97	Commercial	High	2006	9/18/12	Vegetate Swale detention basin	no	remove leaves, minor trash, paint, and thin set		No	Katie Gelormino, prop mgr. , 296-5640, Equity Mangm't Co. 42430 Winchester Rd, Temecula 92590
Faith Quality Auto Body	41130 Nick Lane, 92562 - tributary to Warm Springs Creek	Madison St. PM 26357, Pcl 2	1.2	Commercial	High	2007	9/18/12	Bio-swale	no	trash, debris, and dead plants	remove trash, debris, and replant	No	Tony Amaradio, owners son and mgr., 41130 Nick Lane, 951-698-8215, tony@faithqualityautobody.com
Antelope Square	33040 Antelope Road, 92563	PM 32258	7.82	Commercial	High	2007	9/20/12	CB inserts, underground infiltration / detention	Yes	clean CB inserts, check underground infiltration system		No	Charlene Kussner, Continental Dev. 25467 Medical Center Dr, #201, Murrieta Ph 600-8600 ckussner@continentaldev.com
Jax Bicycle Center	26612 Margarita Rd, 92563	Date Street, PM 29083 Pcls 1 & 7	1.45	Commercial	High	2008	9/20/12	CB inserts, sump pump, underground detention	no	remove leaves and check sump pump		No	Jordan Frates, onsite mgr, 239-8239, jordan@jaxbicycles.com
Sonic	39540 MHS Rd, 92562	Margarita, PM 32921, Pcl 6	0.75	Commercial	High	2009	9/18/12	CB Inserts	no	CB inserts need cleaning		No	Monica Laboy, onsite mgr, store6014@sonicpartner.net
Physician's Hospital	28062 Baxter Road, 92563	Antelope Rd, PM 35011 & PM 110/62	17.03	Commercial	High	2010	10/4/12	sand filters	no	sand filters are clean & well maintained		No	Chad Youngquist, Facility Technician, 951-290-4124, cell 760-315-1131, cyoungquist@llu.edu
MOB Physician's Hospital	28078 Baxter Road, 92563	Antelope Rd, PM 35011 & PM 110/62	13.65	Commercial	High	2010	10/4/12	sand filters, Kristar Treepod	no	sand filters are clean & well maintained, Treepods need minor trimming and maintain per Kristar specs		NO	Kimberly Bailey, Property Mgr, 506-6010, cell 526-7649, ksimmms@hcreit.com

NOTES:

PROJECT GENERAL INFORMATION									Responsible Party			CONTACT	
Facility Name	Project Location			Project Type	Priority (Low or High)	Construct Date	Inspect Date	Structural BMP Type	POA / HOA	Observation	Maintenance / Action	Refer to Vector Agency	Name, address, phone
	Street Address	Cross Street	Site (Acres)										

High Priority = within Warm Springs Creek tributary area 902.33 which is a 303(d) listed waterbody
 Low Priority = anything that is not a high priority

Hazardous Materials, Riverside County Vector Control 951-766-1818

Riverside County Vector Control, Contact Doug Osborn 951-766-9454, DOSBORN@rivcocha.org, DOSBORN@co.riverside.ca.us

FINAL WQMP's on File

FINAL WQMP

10/9/2014

Project	Map #	Eng. Project #	Approval Date	WQMP Date	Comments	BMP Type	Location	Watershed	Date Const.	Responsible Party	Site Contact	Date Insp.	Findings	Actions (1.)
1 Briggs Road	MB 8/359	IST 1456	3/8/2010	2/25/2010	DR Horton tract 29484 is in the County									
2 Washington Plaza	MB 8/359 Lots 1-5	08-37128		12/1/2006	SUMP PUMP, PGP Dwg# 08-121									
3 Superior Ready Mix	MB 8/359 Lot 4		2/19/2009		Recorded 3/10/09									
4 ARCO Fueling Facility #5934	MB 8/359 Lot 98	Minor Variance 007-25417		5/28/2008	CUP-006-1877 or 1887									
5 Jefferson Business Park	MB 8/359 Lot 91	DPO-004-233	8/25/2006	8/17/2006	Jeff Endicott signed it									
6 Goddard School on Juniper Street	MB 8/359 Lot 13	DPO-005-1771		4/21/2006	next to Fire Station #1									
7 Fig Street Crossing @ Jefferson	MB 8/358 Lot 86	DPO-006-2173		10/17/2006		not constructed								
8 Riv. Co. Office of Education	MB 8/359 Lot 87		3/21/2011	1/31/2011	Guava and Madison									
9 Retail Shops @ Lowes / Kohl's Center	MB 8/359 Lot 93	DPO-004-073		6/29/2005	for Pick-up Stixs center next to Chevron Gas									
10 Ivy Street Business Park	MB 8/359 Lot 11	DPO-007-2399		7/10/2008										
11 Murrieta Education Center	MB 8/359 Lot 125	DPO-007-2560	2/5/2010	10/26/2009	AG Kading project	not constructed								
12 Triangle Center	MB 8/359 Lot 127	DPO-004-205	11/30/2011	11/4/2011	EXT-010-2917	not constructed								
13 Fast 5 Express Car Wash	MB 8/359, Lot 156	13-45463GP9180	10/24/2013	Aug. 2013										
14 Korean Presbyterian Church	PM 5301, Pcls 3 & 4	RPO-005-1775		10/21/2007	do no know if this is the Final WQMP									
15														
16 Park-n-Ride, Spencer's Crossing	PM 6026, Pcl 3	DPO-007-2322		3/12/2007	not a final version	CB Insert, Stormfilter	Los Alamos at Briggs Rd	902.33	2007	City of Murrieta	Mike Brooks			
17 KIP	PM 6703, Pcl 1	2006-32420	7/23/2009	2/2/2007	SCO-006-2143									
18 Crossroads Church	PM 8246, Pcl 2	CUP-006-1866		2/18/2010		not constructed								
19 Canyon Ranch Child Care Center	PM 8279, Pcl 4	CUP-004-056	2/5/2009	1/29/2009	Julio Pacheco									
20 Temecula Valley Bank DB-254	PM 10245				no WQMP & has infiltration basins BMP									
21 Ivy Business Development	PM 11124, Pcl 2	DPO-006-1910		2/22/2007										
22 Town Center Plaza	PM 12442, Pcls 1-4	06-32899 GP 2856	Farida	10/20/2006										
23 St. Martha's Church	TR. 15882	11-42718 GP8400	3/12/2012	2/7/2012	for adding onto parish phases 1 & 2									
24 Bear Creek Condos	Tr. 20829, Lot 2	12-44780 GP 8994	8/12/2013	4/10/2013	8 condos in four building, Glenn Abbey Lane	construction has not started								
25 Oak Grove Institute	PM 21068, Pcl 4	08-37450 GP7967	5/6/2013	3/28/2013										
26 Eastman Auto Service Center	PM 21184-1, Pcl 8	DPO-004-232		9/28/2005	project is built but WQMP is prel.									
27 Paradise Watersports	PM 21997, Pcl 13	CUP-005-1812		2/17/2006	04-20288 GP 2648	CB inserts	41125 Golden Gate Cir.	902.33	2007	Tom & Ronna Hellw	same? 951-208-2814			
28 Amanda Park Garages Addition	Tract 23108, Lot 3	11-4220-GP8220	9/8/2011	9/1/2011	app'd Delta 1 10/5/11, Retrofit BMP's									
29 McDonald's on Cal Oaks / Ralph's Center	PM 24020, Pcl 1	12-94721 GP8972	4/25/2013	4/25/2013										
30 Nutmeg Professional Building	PM 22436, Pcl 2	11-41972 GP 8129	9/28/2011	8/16/2011	Yoon and Millie Lee Day Care									
31 Fire Station #5	PM 24808, Pcl 4													
32 Gateway Medical Center	PM 25451, Pcl 6	DPO-006-1923		11/27/2006	whitewood @ Ave. Acacia next 2 BofA	not constructed								
33 Los Alamos Car Wash	PM 25451, Pcl 8	CUP-004-060	7/7/2010	7/1/2010	across from Shell Gas	not constructed								
34 Faith Auto Body	PM 26537, Pcl 2	DPO-006-2002		March. 2007		bio infiltration, trash screen	41130 Nick Lane	902.33	2007	Lee Amaradio	same? 698-8215			
35 Pacific Landing Apartments	PM 27379, Pcl 4	Engr-013-68GP190	1/8/2014	11/1/2013	aka Adessa Landing									
36 Cal Oaks Group	PM 28439, Pcl 2	BV 16776-91		1/10/2007	building is constructed									
37 JAX Plaza	PM 29083, Pcls 1 & 7	08-37347 GP 5890		6/23/2008	DPO-007-2289	cb inserts, underground detenti	26612 Margarita Rd	902.33	2009	Dave Hanson	same? 949-262-7287			
38 Date - Margarita Medical Condos	PM 29083, Pcl 2-5	DPO-004-069		3/17/2006	building is constructed	detention basin	Margarita e/o Date	902.33	2007	Edward Anderson	same? 951-723-8366			
39 Discount Tire	PM 29157	RPO-004-063		12/12/2006	preliminary WQMP									
40 Taco Bell	11-089 PGP WQMP, ECP	PM 29157, Pcl 2	DPO-010-2916	10/19/2011	8/31/2011	app'd over the counter to expedite								
41 Youngman Residence	Tract 29429, Lot 3	DPO-013-3305	9/26/2013	6/1/2013	custom home 42804 Calle Ortega	bio retention basin								
42 BMW	PM 30289, Pcl 9				need recorded Restrictive Covenant	not constructed, yet								
43 Kenton Place by Capital Pacific Homes	Tract 30954, Lots 1-46			4/20/2007	Farida had comments, KB Homes built out									
44 Village Walk Retail	PM 31093	DR-01-0147		7/18/2006										
45 Los Alamos Widening	VPM 31102	DPO-002-152		6/22/2007	Cameo Homes / G Companies									
46 Miguel's Junior Restaurant 10-132 PGP	PM 31339, Pcl 9	40137GP7355	9/15/2010	7/8/2010	SCO-009-2785									
47 In-N-Out	PM 31339, Pcl 11	DPO-003-247		4/10/2007										
48 A.C. Magnolia Washington	Tract 31467	DPO-003-328	10/24/2006	6/22/2006	across from Murrieta Valley HS	not constructed								
49 A.C. Magnolia Lemon	Tract 31497	DPO-003-320	6/1/2006	5/16/2006	next to Lamb's Fellowship Church	not constructed								
50 Murrieta Health 46 Bed Addition	PM 31785, Pcl 1	09-39133 GP 6944	10/22/2009	10/21/2009	11-001 PGP									
51 Hunter's Ridge	Tract 31878	TTM-004-076	5/22/2006	5/8/2006		Not constructed								
52 Kenton Place by Capital Pacific Homes	Tract 31956, Lots 1-7			4/20/2007	not a final version									
53 Aviv Court by 3G Development	Tract 31997	DPO-010-2992	4/6/2011	3/8/2011										
54 Murrieta Marketplace - Regency	PM 32123	CUP-004-062		9/18/2008		Not constructed								
55 Murrieta Marketplace - CKR Breakout	PM 32123	"	8/6/2009	Aug. 2009	Clinton Keith Road extension by Regency	Not constructed								
56 Zaita Office Buildings	PM 32256, Pcls 1 & 2	DPO-004-193		8/26/2005	project is built, basin in pkwy. L.S. area									
57 Monte Vista II	PM 31290, Pcl 2	DPO-010-2924	1/11/2012	10/7/2011	Delta 1 app'd 3/6/12									
58 Hampton Inn	PM 32256, Pcls 3,4,5,6	12-44055 GP 8848	12/11/2013	12/3/2013	CUP-009-2871									
59 Antelope Square	PM 32258			10/30/2006	preliminary WQMP	underground detention								
60 North Oaks by DR Horton	Tract 32475	DPO-004-065		7/7/2006	project is say 50% built out		e/o Antelope @ Scott Rd	Santa Ana	2009	??	??			
61 Antelope Square Restaurant	PM 32558	11-42606 GP8363	3/6/2012	11/29/2011	Drive thru coffee shop & restaurant	Not constructed								
62 Orchards	PM 32893	DPO-03-161	9/17/2007	9/14/2007										
63 AM/PM Gas Station	PM 32893, Pcl 3	12-42941 GP8482	5/1/2012	4/25/2012	app'd per P.Thomas direction	Not constructed								
64 Margarita Ville	PM 32921			1/31/2006		CB inserts								
65 Sonic Drive-In	PM 32921, Pcl 3	09-38861 GP 6785		6/15/2009	still missing a few items, do not release bonds	CB inserts	39520 MHS Rd w/o Marga	902.33	2007	??				
66 North Island Credit Union	PM 32921, Pcl 6	DPO-008-2726	8/6/2009			Not constructed	39490 MHS Rd w/o Marga	902.33	2010	Hans Egenes	?? 505-238-3000			
67 The Ridge by DR Horton	PM 33621	13-170GP354	4/15/2014	1/20/2014	SCO-013-153									
68 Murrieta Apartments 144 / Cameo	PM 33439		5/29/2006	4/17/2006										

FINAL WQMP's on File

FINAL WQMP

10/9/2014

Project	Map #	Eng. Project #	Approval Date	WQMP Date	Comments	BMP Type	Location	Watershed	Date Const.	Responsible Party	Site Contact	Date Insp.	Findings	Actions (1.)
69 Summer Creek Homes	Tract 34250	13-45676GP922E	3/20/2014	11/14/2013	Chris Sheppard to record Amend #1 of CC&R's									
70 Olivewood Phases 1 & 2	PM 34265	06-33942-GP6224	1/13/2010	1/6/2010										
71 The Shops at the Courtyard & Courtyard III	PM 34630, Pcl 2	DPO-006-19232		9/15/2006										
72 Murrieta Creek Center	PM 34685, Pcl 1	DPO-004-248	5/25/2006	5/23/2006	project is built but WQMP is prel.									
73 Physician's Hospital & MOB	PM 35011, Pcl 1 & 2	08-38010 GP6588		6/1/2010										
74 Rancho Springs Medical Building	PM 35497	DPO-005-1736												
75 Palmilla 09-160 PGP	PM 35975	08-37770	7/15/2009	6/1/2009	app'd by BV									
76 Gateway Plaza / Sierra Lane	PM 36268	DPO-008-2749	9/14/2010	8/23/2010	returned 1/19/11 when rec'd Append. 'G'									
77 Rancon MHS 20 @ Date / MHS Rd	TPM 36440	TPM-012-3160	12/6/2012	11/26/2012	interim, new project with have own WQMP									
78 Melia Homes @ Mitchell / CKR	PM 36281 - Backbone	TPM-010-2895	7/11/2013	6/1/2013	Master for streets - ea. Parcel will have their own									
79 Melia Homes @ Mitchell Xing 1	PM 36281, Pcl 1&3	DPO-014-301	7/23/2014	5/29/2014										
80 Sugarberry, KB Homes	Tract 36595	2014-225GR 428	8/21/2014	5/15/2014										

CIP PROJECTS

Stepp Road
 Whitewood
 CKR
 Torrey Pines Park
 Fire Station #5
 Line D/D1, CIP 8157
 Madison Ave. Phase 1, CIP 8357
 Madison Ave. Phase 2, CIP 8357

detention basin
 infiltration trench
 Filterra inlets
 CB inserts, biofiltration basin
 CB insert

NOTES:

1. Must note if the site was referred to the local vector control agency or department
2. 902.33 Warm Springs Creek 303 (d) listed

2. CONSTRUCTION
SECTION F.2. of ORDER NO. R9-2010-0016)

1) Ordinances K.3.c.(4)1

a) Describe updated relevant ordinances as required under Section F.2.a. of the 2010 SMR MS4 Permit there were no ordinance updates processed during the reporting term.

b) Describe planned ordinance updates within the next Annual Reporting period, if applicable – the city anticipates making updates to the Stormwater Ordinance, JRMP, Municipal Code, and possibly the Grading Manual as a result of recent construction inspection audit report from the San Diego Water Board.

2) Describe any changes to procedures used for identifying priorities for inspecting sites and enforcing control measures that consider the nature of the construction activity, topography, and the characteristics of soils and receiving water quality as required by Section F.2.e of the 2010 SMR MS4 Permit K.3.c.(4)2. Copies of the grading permits are transmitted to the NPDES inspector. The inspector inputs the grading permit into the data base and assigns the inspection priority using the 2010 permit requirements. Please see blank form in **Attachment B** titled, “NPDES Construction Activity Compliance Inspection Notice”

3) Describe any changes to the designated minimum and enhanced BMPs as described in Section F.2.d. (1) of the 2010 SMR MS4 Permit K.3.c.(4)3: None this year

4) Summarize the finding of the Construction Inspection Program specified in Section F.2.e. of the 2010 MS4 Permit K.3.c.(4)4:

a) Total number and date of inspection conducted at each Construction Site see spreadsheet in **Attachment B** showing the summary of inspections.

b) Number, date, and types of enforcement actions by Construction Site the NPDES construction inspector reported 15 active sites, 8 inactive sites, 23 sites inspected, 12 violations and 2 sites with enforcement action taken.

**2. CONSTRUCTION
(SECTION F.2. of ORDER NO. R9-2010-0016), CONT**

Brief description of each high-level enforcement action at Construction Sites including the effectiveness of the enforcement: 3 sites were given written warnings and they subsequently complied. The Palmilla project at the corner of Nutmeg and Jackson received \$3,800 in fines.

2. CONSTRUCTION
(SECTION F.2 of ORDER NO. R9-2010-0016)

ATTACHMENT B

		NPDES Construction Activity Compliance Inspection Notice Public Works Department/NPDES 1 Town Square Murrieta, California 92562 (951)304-2489		
Tract # /Parcel #:	Project Name:	Weather:	Rain Total:	Date:
Permit Number:	Developer:	Inspector:	Date Last Inspected:	
NOI/SWPPP on site: Yes [] No []	Project Risk Level: 1 2 3	WDID Number:	Inspection Priority: L M H	
Project Location:		Estimated Disturbed Acreage:		
Notice: In conformance with the National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS 4) Permit for Santa Margarita/Santa Ana Watersheds, the City of Murrieta is mandated to perform construction site inspections to ensure compliance with Storm Water Ordinances, codes and regulations.				
Item Inspected		Yes	No	Notes
1	Stabilized construction entrance & tracking controls in place at all exits.	[]	[]	
2	Source control BMP's in place and maintained.	[]	[]	
3	Perimeter control BMP's are in place and maintained.	[]	[]	
4	Evidence of tracking beyond project perimeter.	[]	[]	
5	Interior and affected exterior streets are clean and free of pollutants.	[]	[]	
6	BMP's at catch basin's and discharge points are in place and maintained	[]	[]	
7	Sediment discharge in area requiring protection.	[]	[]	
8	Evidence of non-storm water discharges.	[]	[]	
9	Construction materials stored in designated areas.	[]	[]	
10	Liquid materials stored properly.	[]	[]	
11	Concrete wash-outs in place and maintained.	[]	[]	
12	Construction debris stored properly.	[]	[]	
13	BMP's in place for equipment maintenance activities.	[]	[]	
14	Litter / covered trash enclosures / housekeeping maintained.	[]	[]	
15	SWPPP properly maintained i.e. inspections documented, REAPs etc.	[]	[]	
16	Erosion Control Plan up to date.	[]	[]	
NOTICE: The Porter-Cologne Water Quality Control Act of the State of California states in part that persons violating water quality objectives can be held civilly and criminally liable and the Federal Clean Water Act states in part that persons violating the Act may be held civilly and criminally liable.				
Comments: _____ _____ _____ _____ _____ _____ _____ _____ _____ _____				
Site Contact:	Received By:	Phone:	Time:	
ACTION TAKEN: Written Notification [] Second Written Warning [] Stop Work Notice [] Withhold C of O [] Code Enforcement Citation [] Notify SDRWQCB []				

2. CONSTRUCTION
(SECTION F.2 of ORDER NO. R9-2010-0016)

ATTACHMENT B

3. MUNICIPAL
(SECTION F.3 of ORDER NO. R9-2010-0016), CONT

- 1) Attachment C contains the current inventory of all City of Murrieta facilities and activities that have the potential to generate Pollutants as required under F.3.a.(1) of the 2010 SMR MS4 Permit [K.3.c.(4)1]
- 2) Following is the current list of minimum BMPs for the City of Murrieta facilities included in the inventory addressed in item 1) above K.3.c.(4)2

BMP Code	Description	Used
SC-10	Non-Stormwater Discharges	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-11	Spill Prevention, Control and Clean-up	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-20	Vehicle and Equipment Fueling	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-21	Vehicle and Equipment Cleaning	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-22	Vehicle and Equipment Repair	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-30	Outdoor Loading/Unloading of Materials	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
SC-31	Outdoor Liquid Container Storage	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-32	Outdoor Equipment Maintenance	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
SC-33	Outdoor Storage of Raw Materials	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-34	Waste Handling and Disposal	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-35	Safe Alternative Products	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
SC-40	Contaminated or Erodible Areas	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
SC-41	Building and Grounds Maintenance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-42	Building Repair and Construction	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-43	Parking/Storage Area Maintenance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-44	Drainage System Maintenance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-60	Housekeeping Practices	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-61	Safe Alternative Products	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-70	Road and Street Maintenance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-73	Landscape Maintenance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-74	Drainage System Maintenance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-75	Waste Handling and Disposal	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-76	Water and Sewer Utility Maintenance	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

**3. MUNICIPAL
(SECTION F.3 of ORDER NO. R9-2010-0016), CONT**

- 3) **Describe any changes to procedures to assure that flood management projects assess the impacts on the water quality of Receiving Waters as required under Section F.3.a.(4) of the 2010 SMR MS4 Permit [K.3.c.(4)3]** flood management projects must go through CEQA. CIP Manager reviews the project to see if a WQMP is required and if so, a WQMP is prepared in accordance to the 2010 SMR MS4 permit.

- 4) **Following is a summary and assessment of BMP retrofit projects implemented at flood control structures as specified in Section F.3.a.(4)(c) and F.3.d of the 2010 SMR MS4 Permit [K.3.c.(4)4]:**
 - a) **Listing of flood control facilities retrofitted:** Guava Street and Linc D box culvert, CIP 8059 constructed water quality infiltration trench to treat street runoff for portions of Guava Street.

 - b) **Listing and description of flood control structures evaluated for retrofitting:** None

 - c) **Listing of flood control structures still needing to be evaluated and the schedule for evaluation:** None

3. MUNICIPAL
(SECTION F.3 of ORDER NO. R9-2010-0016), CONT

5) Following is a summary of the municipal structural Treatment Control BMP operations and maintenance activities as specified in F.3.a.(6) of the 2010 SMR MS4 Permit [K.3.c.(4)5]:

Type of Structural Treatment Control BMP	Number of Inspections	Findings
See 44 Page List in Attachment C		

**3. MUNICIPAL
(SECTION F.3 of ORDER NO. R9-2010-0016), CONT**

6) Summary of the MS4 facilities operations and maintenance activities, including amount material removed from, including justification for less than annual inspection as required under Section F.3.a.(6)(b) of the 2010 SMR MS4 Permit [K.3.c.(4)(6)]:

MS4 Facility Type	Number of Facilities Maintained	Amount of Material Removed (tons)	Facilities Planned for Bi-Annual Inspections and Justification
Catch Basins			
Total	267	6.545 tons (wet weight)	
Street Sweeping	996 miles per mo.	1877 tons (wet weight)	
Debris / Detention Basins	<u>See Spread Sheet in Attachment C</u>		
Total		5 tons (wet weight)	
Open Channels	<u>See Spread Sheet in Attachment C</u>		
Total		10 tons (wet weight)	
Other MS4 Facilities	City Hall (new)	0.5 tons	
	City Hall (old)	0.5 tons	
	Senior Center	0.5 tons	
	Library	0.5 tons	
	Community Ctr.	0.5 tons	
	CSD Office@ Los Alamos Hills Sport Park	0.5 tons	
	Public Works Maintenance Yard	0.5 tons	
	Fire Stations 1-5	0.5 tons	
	Police Station	0.5 tons	
Facility Total		1903 tons (wet weight)	

3. MUNICIPAL
(SECTION F.3 of ORDER NO. R9-2010-0016), CONT

- 7) The following table contains a Summary of municipal areas/programs inspection activities as specified by Section F.3.a.(8)(a&b) of the 2010 SMR MS4 Permit [K.3.c.(4)6] including:
- a) Number and date of inspections conducted at each facility [K.3.c.(4)7.(a)].
 - b) BMP violations identified during each facility inspection [K.3.c.(4)7.(b)].
 - c) The number, date and types of enforcement actions received at each facility [K.3.c.(4)7.(c)]
 - d) Summary of inspection findings and follow-up activities for each inspected facility [K3.c.(4)7.(d)]

Facility	Inspections		BMP Violation	Enforcement			Summary of Inspection	
	#	Date		#	Date	Type	Findings	Follow-up
Police Station	4	Quarterly	None		None		Check dumpster, parking lot, landscape, irrigation spray, parking lot, covered & lock paints	
Fire Stations 1-5	2	Wet & dry season	None		None		Check dumpster, parking lot, landscape, irrigation spray, and parking lot, above ground fuel tanks,	Monitor Clearwater CB insert at Fire Station #5
City Hall, Library, Senior Center, Community Center, Public Works Maintenance Yard, Youth Center	12	Monthly	None		None		Check dumpster, parking lot, landscape, irrigation spray, and parking lot, backup generator	CB inserts at Youth Center
Parks	50	Bi-monthly	None		None		Check dumpster, parking lot, landscape, irrigation spray, and parking lot, pool	
Total	58							

**3. MUNICIPAL
(SECTION F.3 of ORDER NO. R9-2010-0016), CONT**

8) The following activities implemented to address sewage infiltration into the MS4 as specified in F.3.a.(7) of the 2010 SM4 MS4 Permit [K.3.e.(4)8]

Description of Sewage Infiltration Controls	Used
Adequate plan checking for construction and new development	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Incident response training for municipal employees that identify sanitary sewer spills	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Code enforcement inspections	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
MS4 maintenance and inspections	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Interagency coordination with sewer agencies	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Education of staff and contractors conducting field operations on the MS4 or its municipal sanitary sewer (if applicable)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

NOTE: City plan checks onsite private sewer and water improvements. The Water Districts review the sewer and water systems they will own and maintain. Sanitary sewer spills are handling as described in the JRMP, Section C.2, "Sanitary Sewer Overflow Procedures"

9) Describe BMPs and their implementation for unpaved roads construction and maintenance as specified in F.3.a.(10) of the 2010 SMR MS4 [K.3.c.(4)8]:

Description of Unpaved Road Construction and Maintenance BMPs	Used
Minimize soil disturbance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Compact lose sediment and stabilize with decomposed granite	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Haul lose sediment away that cannot be compacted	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Grade road to allow sheet flow and not concentrate flows	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Note: The City of Murrieta only has one (1) dirt road they maintain.

**3. MUNICIPAL
(SECTION F.3 of ORDER NO. R9-2010-0016)**

ATTACHMENT C

Facility	Address	Description	Comments
FIRE STATIONS			
Fire Station 1	41825 Juniper Avenue	Office, parking lot, above ground fuel tank, trash enclosure	
Fire Station 2	40060 California Oaks Road	Office, parking lot, above ground fuel tank, trash enclosure	
Fire Station 3	39985 Whitewood Road	Office and parking lot	
Fire Station 4	28155 Baxter Road	Office and parking lot	
Fire Station 5	38391 Vineyard Parkway	Office and parking lot, CB insert	
POLICE STATION			
Police Station	2 Town Square	Office, parking lot, above ground fuel tank, trash enclosure	

Facility	Address	Description	Comments
CITY BUILDINGS			
City Hall (New)	1 Town Square	Office, parking lot, above ground fuel tank, trash enclosure	
City Hall (Old)	Beckman Court	Office, parking lot, trash enclosure	
Library	8 Town Square	Office, parking lot, trash enclosure	
Senior Center	41717 Juniper Street	Office, parking lot, trash enclosure	
Community Ctr	41810 Juniper Street	Office, parking lot, trash enclosure	
Youth Center	40642 California Oaks Rd.	Office, parking lot, trash enclosure,	CB inserts
CORPORATE YARDS			
PW Mainten.	41625 Fig Street	Office, parking lot, trash enclosure, materials	retention / infiltration basin
CSD Mainten.	37275 Los Alamos Road	Office, parking lot, trash enclosure, materials	

**3. MUNICIPAL
(SECTION F.3 of ORDER NO. R9-2010-0016)**

ATTACHMENT C



COMMUNITY SERVICE DEPARTMENT

Daily Inspection Report

Completed by: _____
 Date: _____
 Vehicle #: _____

Mileage Out: _____
 Mileage In: _____
 Total Mileage: _____

*Fuel: full 3/4 1/2 1/4 Fuel added: _____
 Lights / brake lights / hazards: _____
 (check before leaving yard, circle if needs repair)

	Arrival Time	Departure Time	Barbecue	Baseball Fields	Basketball Court	Bike Path/Walking Trail	Catch and Release Pond	Football Field	Horseshoe Pits	Trees	Open Grass Areas	Parking Lot	Par Exercise Course	Picnic Tables or Park Benches	Restroom/Port-o-Lets	Shelters	Sidewalks	Soccer Field	Softball Field	Spray Turtles	Tennis Court	Tot Lot/Playground Equipment	Trash	Volleyball Court	Water Fountains	Open/Vegetated Channels	
Mountain Pride Park (Park #10)																											
California Oaks Sports Park***																											
Valley Vista Park																											
Echo Canyon Park																											
Glen Arbor Park (Park #11)																											
Crystal Aire Park																											
Century Park																											
Barratt Park																											
Meadowridge Park																											
Antelope Hills Park																											
Sweetsphire Park																											
Toulon Park																											
Wedgewood Park																											
Sycamore Park																											
Alta Murrieta Sports Park																											

*Fuel: no lower than 1/2 a tank

***Unlock Tennis Courts & Do Tot

Lot & Skateboard Park First

Notes: _____

East

COMMUNITY SERVICE DEPARTMENT

Daily Inspection Report

Completed by: _____
 Date: _____
 Vehicle #: _____

Mileage Out: _____
 Mileage In: _____
 Total Mileage: _____

*Fuel: full 3/4 1/2 1/4 Fuel added: _____
 Lights / brake lights / hazards: _____
 (check before leaving yard; circle if needs repair)

	Arrival Time	Departure Time	Barbecue	Baseball Fields	Basketball Court	Bike Path/Walking Trail	Catch and Release Pond	Football Field	Horseshoe Pits	Trees	Open Grass Areas	Parking Lot	Par Exercise Course	Picnic Tables or Park Benches	Restroom/Port-o-Lets	Shelters	Sidewalks	Soccer Field	Softball Field	Spray Turtles	Tennis Court	Tot Lot/Playground Equipment	Trash	Volleyball Court	Water Fountains	40 yrd Dumpster	Dog Park	Open/Vegetated Channels
Firefighters Park ****																												
Torrey Pines Park																												
Vinatge Reserve Park																												
Shady Maple Park																												
Carson Park																												
Pond Park																												
Whitewood Park (Park F)																												
Warm Springs Park & Preserve**																												
Eastgate Park																												
Monte Vista Park																												
Mira Mosa Park																												
Northstar Park																												
Palomar Park																												
Creekside Village Green Park																												
Isherwood Park: off of Sugarberry Ln.																												

*Fuel: no lower than 1/2 a tank

** Unlock Gate first before doing the park

**** Need to have the entire park completely maintained by 9:00 a.m.

Notes:

West

COMMUNITY POLICE DEPARTMENT

Daily Inspection Report

Completed by: _____
 Date: _____
 Vehicle #: _____

Mileage Out: _____
 Mileage In: _____
 Total Mileage: _____

*Fuel: full 3/4 1/2 1/4 Fuel added: _____
 Lights / brake lights / hazards: _____
 (check before leaving yard; circle if needs repair)

=Okay C=Needs correction
 D=Damaged V=Vandalism
 B=Broken F=Fallen/Leaning
 E=Emptied S=Stressed
 L=Locked U=Unlocked
 R=Raked

	Arrival Time	Departure Time	Barbecue	Baseball Fields	Basketball Court	Bike Path/Walking Trail	Catch and Release Pond	Football Field	Horseshoe Pits	Trees	Open Grass Areas	Parking Lot	Par Exercise Course	Picnic Tables or Park Benches	Restroom/Porto-Lets	Shelters	Sidewalks	Soccer Field	Softball Field	Spray Turtles	Tennis Court	Tot Lou/Playground Equipment	Trash	Volleyball Court	Water Fountains	Fences	Gates	Open/Vegetated Channels
Community Center/Hunt Field																												
Copper Canyon Park - Lower																												
Copper Canyon Park - Upper																												
Bear Valley Park - 1																												
Bear Valley Park - 2																												
Calle Cipress Park (Oak Tree)																												
Oak Tree Park																												
Antigua Park																												
Montafino Park																												
Mapleton Park																												
Rosewood Park																												
Town Square Park																												
Washington Street																												
Sykes Ranch Park																												
Springbrook Park																												
Blackmore Ranch Park																												
Grizzley Ridge Park																												
Equestrian Park																												
Calle Estancia Park																												
Rancho Acacia Park																												

*Fuel: no lower than 1/2 a tank

Notes:

Nir

COMMUNITY SERVICES DEPARTMENT

Daily Inspection Report

Completed by:
Date:

	Arrival Time	Departure Time	Barbecue	Baseball Fields	Basketball Court	Bike Path/Walking Trail	Catch and Release Pond	Football Field	Horseshoe Pits	Trees	Open Grass Areas	Parking Lot	Par Exercise Course	Picnic Tables or Park Benches	Restroom/Port-o-Lets	Shelters	Sidewalks	Soccer Field	Softball Field	Spray Fountains	Tennis Court	To-Lot/Playground Equipment	Trash	Volleyball Court	Water Fountains	Open/Vegetated Channels
Murrieta Elementary School Park B Street off Adams Avenue																										
Alta Murrieta Sports Park Alta Murrieta Drive																										
California Oaks Sports Park 40600 California Oaks Road																										
Mountain Pride Park (Park #10) Mountain Pride Drive																										
Warm Springs Park & Preserve Via Temprano (Park E)																										
Firefighters Park Murrieta Hot Springs Road																										
Community Center/Hunt Field*** 41810 Juniper Street																										
Mapleton Park																										
Mira Mosa Park																										

*** Empty Trash in the Community Center Bldg every night.

Notes:

Antigua Park																										
Bear Valley I																										
Montafino Park																										
Crystal Aire Park																										
Sycamore Park																										
Park E - Warm Springs																										
Park F - Whitewood																										

*** Empty Trash in the Community Center Bldg every night.

Notes:

**3. MUNICIPAL
(SECTION F.3 of ORDER NO. R9-2010-0016)**

ATTACHMENT C

CB_NO,	MAP_NC	LOCATION,C,30	ACCEPT_	INSPECT_	CLEAN_D	FILTER	SILT_	SILT_	TRA	TRA	ORG	ORG	COMMENTS,C,70	EDITC	WATI	FILTE	MAN_
12	P28C2	VIA MORENO	11/20/12	03/07/11		200	100	0	0	0	0	0	dirty	JJA	SM	NO	1.5
240	P32A2	WOODBRIAR DR	11/19/12	08/17/11		75	75	0	0	25	25	dirty	JJA	SM	NO	1	
321	P32D2	WHITEWOOD RD	12/04/12			0	0	0	0	0	0	dirty	JJA	SM	YES	0	
15	P28C2	VIA MORENO	11/20/12			0	0	0	0	0	0	ok	JJA	SM	NO	0	
251	P32A2	HANCOCK AVE	11/19/12			0	0	0	0	0	0	ok	JJA	SM	NO	0	
16	P28C2	VIA MORENO	11/20/12			0	0	0	0	0	0	ok	JJA	SM	NO	0	
													clean				
331	P33A2	CORTE ANACAPA	11/28/12	04/03/13		200	85	0	0	20	15		JJA	SM	NO	2.5	
32	P28A2	CLINTON KEITH RD	11/20/12	03/09/11		50	100	0	0	0	0	dirty	JJA	SM	YES	0.75	
252	P32A2	HANCOCK AVE	11/19/12			0	0	0	0	0	0	dirty	JJA	SM	YES	0	
													clean				
330	P33A2	CORTE ANACAPA	11/28/12	04/03/13		150	95	5	5	0	0		JJA	SM	NO	1	
105	P31C2	CALIFORNIA OAKS RD	12/04/12			0	0	0	0	0	0	dirty	JJA	SM	YES	0	
98	P31C2	CALIFORNIA OAKS RD	12/04/12			0	0	0	0	0	0	dirty	JJA	SM	YES	0	
265	P32A2	AVENIDA ARCONTE	11/19/12	02/15/12		100	99	0	0	1	1	dirty	JJA	SM	NO	1	
241	P32B2	NEW HAVEN DR	10/02/12	11/19/12	08/17/11	50	30	5	5	105	65	dirty	JJA	SM	NO	1	
243	P32B2	LEAFWOOD DR	10/02/12	08/17/11		25	50	5	25	10	25	ok	JJA	SM	NO	1	
242	P32B2	LEAFWOOD DR	10/02/12	11/19/12	08/17/11	24	75	15	25	0	0	dirty	JJA	SM	NO	1	
472	P31D2	VIA PRIMERO	11/19/12			0	0	0	0	0	0	ok	JJA	SM	NO	0	
473	P31D2	VIA NAVARRE	11/19/12			0	0	0	0	0	0	ok	JJA	SM	NO	0	
329	P32D2	LOS ALAMOS RD	09/19/11			0	0	0	0	0	0	dirty	JJA	SM	NO	0	
471	P31D2	VIA PRIMERO	11/19/12			0	0	0	0	0	0	dirty	JJA	SM	NO	0	
328	P32D2	LOS ALAMOS RD	12/04/12			0	0	0	0	0	0	dirty	JJA	SM		0	
120	P30D2	TROYES LN	11/14/12	06/13/11		75	99	1	1	0	0	ok	JJA	SM	NO	1	
467	P28C2	SETTLERS RDG	11/20/12	03/07/11		0	0	0	0	0	0	ok	JJA	SM	NO	0.25	
466	P28C2	SETTLERS RDG	11/20/12	03/07/11		0	0	0	0	0	0	ok	JJA	SM	NO	0.25	
319	P32D2	LOS ALAMOS RD	12/04/12			0	0	0	0	0	0	dirty	JJA	SM	NO	0	
332	P33B2	CALLE DE TRES AMIGOS	11/28/12			0	0	0	0	0	0	dirty	JJA	SM	NO	0	
117	P30C2	LORIENT CT	11/14/12			0	0	0	0	0	0	ok	JJA	SM	NO	0	
118	P30D3	LORIENT CT	11/14/12			0	0	0	0	0	0	ok	JJA	SM	NO	0	
39	P30B3	PATRI CIR	10/31/12	11/14/12		100	100	0	0	0	0	ok	JJA	SM	NO	1	
334	P33B3	WILLOWBEND DR	11/28/12			0	0	0	0	0	0	dirty	JJA	SM	NO	0	
333	P33B3	WILLOWBEND DR	11/28/12			0	0	0	0	0	0	dirty	JJA	SM	NO	0	
335	P33B3	VIA LAR	11/28/12			0	0	0	0	0	0	dirty	JJA	SM	NO	0	
369	P33B3	WHITEWOOD RD	11/28/12			0	0	0	0	0	0	dirty	JJA	SM	YES	0	
119	P30D3	TROYES LN	11/14/12	08/31/11		100	99	1	1	0	0	dirty	JJA	SM	NO	1	
336	P33B3	VIA LAR	11/28/12			0	0	0	0	0	0	dirty	JJA	SM	NO	0	
266	P32A3	VIA REATA	11/19/12			0	0	0	0	0	0	ok	JJA	SM	NO	0	
304	P30D3	MARSEILLE CT	11/14/12	06/13/11		50	100	0	0	0	0	dirty	JJA	SM	NO	0.75	
302	P30D3	MONROE AVE	11/14/12	06/15/11		200	99	1	1	0	0	ok	JJA	SM	NO	1.5	
303	P30D3	MONROE AVE	11/14/12	06/14/11		40	99	1	1	0	0	ok	JJA	SM	NO	0.75	

Sheet1

305	P30D3	MARSEILLE CT		11/14/12	08/30/11	0	0	0	0	0	0	0	dirty	JJA	SM	NO	0.25
40	P30B3	PATRI CIR	10/31/12	11/14/12		100	100	0	0	0	0	0	ok	JJA	SM	NO	1
470	P31D3	AVENIDA MUSICO		11/19/12		0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
469	P31D3	VIA SONORO		11/19/12		0	0	0	0	0	0	0	ok	JJA	SM	NO	0
468	P31D3	VIA SONORO		11/19/12		0	0	0	0	0	0	0	ok	JJA	SM	NO	0
42	P30B3	MAGNOLIA ST	10/31/12	11/14/12		75	100	0	0	0	0	0	ok	JJA	SM	NO	1
41	P30B3	MAGNOLIA ST	10/31/12	11/14/12		50	100	0	0	0	0	0	ok. added new stencil	JJA	SM	NO	1
420	P33A3	AVENIDA MIGUEL OESTE		11/28/12		0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
419	P33A3	AVENIDA MIGUEL OESTE		11/28/12	08/22/12	50	100	0	0	0	0	0	ok	JJA	SM	NO	1
465	P28C3	TRAIL BLAZE PASS		11/20/12	03/07/11	0	0	0	0	0	0	0	dirty	JJA	SM	NO	0.25
106	P31B3	CALIFORNIA OAKS RD		12/04/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
495	P32B3	APPIAN WY		11/19/12	01/25/12	200	43	20	6	200	43	ok, new rain/drain dot	JJA	SM	NO	4	
43	P30C3	SWEET WILLIAM LN		11/14/12		0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
418	P33A3	AVENIDA MIGUEL OESTE		11/28/12	08/22/12	50	99	0	1	0	0	0	ok	JJA	SM	NO	1
496	P32B3	ATHENA LN		11/19/12	02/14/12	100	80	0	0	30	20	ok	JJA	SM	NO	0.75	
633	P35B2	HAZEL GLEN RD		12/03/12	06/21/11	0	0	0	0	0	0	0	ok, Manhole lid has bolts	JJA	SM	NO	0.25
86	P49B1	MURRIETA HOT SPRINGS RD		12/04/12		0	0	0	0	0	0	0	dirty	JJA	SM		0
707	P48D2	MURRIETA HOT SPRINGS RD		11/26/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
616	P48D4	JEFFERSON AVE		11/26/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
641	P51D2	DELHAVEN ST		12/04/12		0	0	0	0	0	0	0	ok	JJA	SM	NO	0
608	P56B3	JEFFERSON AVE		11/26/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
614	P56B2	JEFFERSON AVE		11/26/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
907	P29D4	CARSON CT	11/01/12	09/20/11		100	100	0	0	0	0	0	ok	JJA	SM	YES	1
906	P29D4	JONATHAN PL	11/01/12	11/19/12		150	90	0	0	10	15	dirty	JJA	SM	YES	1	
905	P29D4	JONATHAN PL		11/19/12		0	0	0	0	0	0	0	ok	JJA	SM	YES	0
904	P29D4	JONATHAN PL		11/19/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
395	P42A3	KUCERA CT		11/28/12		0	0	0	0	0	0	0	ok	JJA	SM		0
615	P48D4	JEFFERSON AVE		11/26/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
607	P48D4	JEFFERSON AVE		11/26/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
606	P48D4	JEFFERSON AVE		11/26/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1222	P57A4	GOLDEN GATE CIR		11/26/12		0	0	0	0	0	0	0	dirty	JJA	SM		0
1287	P24A3	DOREEN DR		11/28/12		0	0	0	0	0	0	0	dirty	JJA	SM		0
1286	P24A3	DOREEN DR		11/28/12		0	0	0	0	0	0	0	dirty	JJA	SM		0
965	P24B3	HUNTER RD		11/28/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
963	P24A3	EUCALYPTUS ST		11/28/12	08/08/11	225	95	1	5	0	0	ok, replaced stencil, lid t	JJA	SM	YES	2	
962	P24A3	EUCALYPTUS ST		11/28/12	08/08/11	1	98	1	2	0	0	ok	JJA	SM	NO	1	
960	P24A3	LONG BRANCH AVE		11/28/12	08/08/11	100	100	0	0	0	0	0	dirty	JJA	SM	YES	1.5
961	P24A3	LONG BRANCH AVE		11/28/12	08/08/11	100	98	1	2	0	0	0	dirty	JJA	SM	YES	1
959	P23A2	LONG BRANCH AVE		11/28/12	08/15/11	260	95	2	4	1	1	dirty	JJA	SM	YES	1.5	
958	P23A2	LONG BRANCH AVE		11/28/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1201	P23A2	LONG BRANCH AVE		11/28/12	08/31/11	295	75	5	2	100	23	dirty	JJA	SM	YES	2	
1202	P23A2	LONG BRANCH AVE		11/28/12	08/31/11	300	65	10	5	140	30	dirty	JJA	SM	YES	2.25	



947	P23A2	WHITEWOOD RD		12/04/12		0	0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
964	P23A2	CANYON HILLS WY		11/28/12	08/08/11	145	99	1	1	0	0	0	0	dirty	JJA	SM	YES	1.5
957	P23D2	RANCH HOUSE ST		11/28/12	05/11/11	150	85	3	15	0	0	0	0	dirty	JJA	SM	YES	1.5
956	P23D2	RANCH HOUSE ST		11/28/12		0	0	0	0	0	0	0	0	dirty, bolts "attempted"	JJA	SM	YES	0
955	P23D2	FOREST CT		11/28/12	08/31/11	100	85	0	0	25	15	0	0	dirty	JJA	SM	YES	1
954	P23D3	SUNSET WY		11/28/12		0	0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
986	P47C1	KALMIA ST	10/18/12	11/26/12	10/18/12	100	70	0	0	40	30	0	0	ok	JJA	SM	YES	1.25
985	P47C1	WASHINGTON AVE		11/26/12	10/18/12	125	80	0	0	25	20	0	0	ok	JJA	SM	YES	1
988	P47C1	KALMIA ST	10/18/12	11/26/12	10/18/12	100	75	5	5	20	20	0	0	ok	JJA	SM	YES	1.25
NM?	P52A3	WINCHESTER RD				0	0	0	0	0	0	0	0		UNK	SM		0
937	P34D4	SPUR DR		12/03/12		0	0	0	0	0	0	0	0	ok	JJA	SM	NO	0
938	P34D4	SPUR DR		12/03/12		0	0	0	0	0	0	0	0	ok	JJA	SM	NO	0
665	P51A3	TORREY PINES RD		07/27/11		0	0	0	0	0	0	0	0	ok	JJA	SM	NO	0
981	P51A4	EVERGREEN AVE		11/27/12		0	0	0	0	0	0	0	0	ok	JJA	SM	NO	0
982	P51A4	EVERGREEN AVE		11/27/12		0	0	0	0	0	0	0	0	ok	JJA	SM	NO	0
933	P51B4	DATE ST		07/26/11		0	0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
NM	P51D2	GLEN EAGLE APTS				0	0	0	0	0	0	0	0		JJA	SM		0
173	P11D3	GINGERBREAD DR		11/13/12		0	0	0	0	0	0	0	0	ok	JJA	SM	NO	0
705	P12B3	CLINTON KEITH RD		12/06/12	02/10/11	150	60	0	0	1	40	0	0	dirty, needs # dot (did not)	JJA	SM	YES	1.5
172	P11D3	GINGERBREAD DR		11/13/12	05/18/11	100	100	0	0	0	0	0	0	ok	JJA	SM	NO	1
166	P12A3	TINDERBOX WY		11/13/12	05/18/11	100	100	0	0	0	0	0	0	dirty	JJA	SM	NO	1
178	P11D3	PATCHWORK LN		11/13/12	05/23/11	75	100	0	0	0	0	0	0	ok	JJA	SM	NO	1
171	P11D3	GINGERBREAD DR		11/13/12	05/18/11	100	100	0	0	0	0	0	0	dirty	JJA	SM	NO	1
175	P11D3	SPINNING WHEEL DR		11/13/12	05/23/11	125	99	1	1	0	0	0	0	dirty	JJA	SM	NO	1.5
170	P11D3	GINGERBREAD DR		11/13/12	05/18/11	100	100	0	0	0	0	0	0	dirty	JJA	SM	NO	1
176	P11D3	SPINNING WHEEL DR		11/13/12	05/23/11	150	95	1	5	0	0	0	0	dirty	JJA	SM	NO	1.5
177	P11D3	MILLSTONE PL		11/13/12	05/23/11	100	98	1	2	0	0	0	0	dirty	JJA	SM	NO	1.25
169	P11D3	CANDY APPLE WY		11/13/12		0	0	0	0	0	0	0	0	ok	JJA	SM	NO	0
168	P11D3	GINGERBREAD DR		11/13/12	05/17/11	100	100	0	0	0	0	0	0	ok	JJA	SM	NO	1
167	P12A3	GINGERBREAD DR		11/13/12	05/17/11	100	100	0	0	0	0	0	0	ok	JJA	SM	NO	1
441	P12A4	TINDERBOX WY		11/13/12		0	0	0	0	0	0	0	0	ok	JJA	SM	NO	0
439	P12A4	GINGERBREAD DR		11/13/12	05/17/11	100	100	0	0	0	0	0	0	ok	JJA	SM	NO	1
440	P12A4	GINGERBREAD DR		11/13/12	05/17/11	100	100	0	0	0	0	0	0	ok	JJA	SM	NO	1
515	P12A4	GINGERBREAD DR		11/13/12	05/17/11	200	100	0	0	0	0	0	0	ok	JJA	SM	NO	2
478	P12A4	NUTMEG ST		12/06/12		0	0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
576	P12A4	BELVEDERE CT		11/13/12	08/27/12	50	100	0	0	0	0	0	0	new rain/drain dot	JJA	SM	NO	1
445	P22B2	MORNING DOVE LN		11/14/12		0	0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
446	P22B2	MORNING DOVE LN		11/14/12		0	0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
145	P21B3	VIA CEDRO		11/13/12		0	0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
137	P21B3	NUTMEG ST		12/06/12		0	0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
144	P21A3	VIA CEDRO		11/13/12		0	0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
236	P23A3	LAS BRISAS RD		11/19/12	04/08/13	100	0	0	0	0	0	0	0		JJA	SM		0.75

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113	P21D4	JACKSON AVE		11/14/12		0	0	0	0	0	0	dirty and bolts	JJA	SM	NO	0
146	P21B4	CANYON OAK DR		11/13/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
143	P21A4	VIA OLIVA		11/13/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
224	P23C4	VIA LAS QUINTAS		11/19/12	04/01/13	350	90	15	10	0	0	clean	JJA	SM	NO	3
114	P21D4	JACKSON AVE		11/14/12		0	0	0	0	0	0	dirty	JJA	SM		0
142	P21A4	VIA OLIVA		11/13/12		0	0	0	0	0	0	dirty-replaced damaged	JJA	SM	NO	0
225	P23C4	VIA LAS QUINTAS		11/19/12		0	0	0	0	0	0	dirty, new rain/drain dot	JJA	SM	NO	0
149	P21D4	VIA DIAMANTE		11/14/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
150	P21D4	VIA DIAMANTE		11/14/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
135	P21C4	MOUNTAIN PRIDE DR		11/14/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
476	P21A4	VIA CEDRO		11/13/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
867	P21B4	SIERRA OAK DR		11/13/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
30	P19B1	FLORAL CREEK DR	10/02/12	11/20/12	09/25/12	250	0	0	0	0	0	dirty	JJA	SM	NO	1
29	P19C4	WILD ROSE LN		11/20/12	03/09/11	0	0	0	0	0	0	dirty , needs stencil	JJA	SM	NO	0.25
245	P23C4	CALLE SAN VINCENTE		11/19/12		0	0	0	0	0	0	dirty, bolts stripped "atte	JJA	SM	NO	0
227	P23C4	WALNUT CREEK CIR		11/19/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
518	P19B1	CLINTON KEITH RD		11/20/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
28	P19C4	WILD ROSE LN		11/20/12	03/09/11	0	0	0	0	0	0	dirty	JJA	SM	NO	0.25
869	P21B4	CORK OAK CIR		11/13/12		0	0	0	0	0	0	ok-add new stencil dot	JJA	SM	NO	0
246	P23C4	CALLE SAN VINCENTE		11/19/12		0	0	0	0	0	0	ok, bolts "attempted", di	JJA	SM	NO	0
226	P23C4	WALNUT CREEK CIR		11/19/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
128	P21C4	MOUNTAIN PRIDE DR		11/14/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
141	P21B4	VIA OLIVA		11/13/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
134	P21B4	CARDINAL FLOWER DR		11/14/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
475	P21B4	GERANIO CIR		11/13/12		0	0	0	0	0	0	dirty- replaced damaged	JJA	SM	NO	0
127	P21C4	MOUNTAIN PRIDE DR		11/14/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
124	P21C4	MORNING GLORY DR		11/14/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
125	P21C4	MOUNTAIN PRIDE DR		11/14/12		0	0	0	0	0	0	ok.Added new stencil dc	JJA	SM	NO	0
126	P21C4	MOUNTAIN PRIDE DR		11/14/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
99	P31C1	CALIFORNIA OAKS RD		12/04/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
36	P30A1	MANDRA ST		11/13/12	05/16/11	100	100	0	0	0	0	ok	JJA	SM	NO	1.5
19	P28D1	DEEP WOOD DR		11/20/12	09/24/12	20	50	0	0	20	50	ok	JJA	SM	NO	1
18	P28D1	DEEP WOOD DR		11/20/12	09/24/12	50	50	0	0	50	50	ok	JJA	SM	NO	1
25	P28C1	HUCKABY LN		11/20/12	03/09/11	0	0	0	0	0	0	ok, needs stenil	JJA	SM	NO	0.25
24	P28C1	SILVER HAWK WY		11/20/12	09/25/12	145	100	0	0	0	0	ok	JJA	SM	NO	1
23	P28C1	SILVER HAWK WY		11/20/12	09/24/12	20	20	0	0	20	80	ok	JJA	SM	NO	1
8	P28B1	JOAQUIN RIDGE DR		11/20/12	07/03/12	0	0	0	0	0	0	bolts 'attempted'	JJA	SM	NO	0.25
9	P28B1	JOAQUIN RIDGE DR		11/20/12	07/03/12	40	50	10	15	20	35	ok	JJA	SM	NO	1
7	P28B1	JOAQUIN RIDGE DR		11/20/12	07/03/12	0	0	15	20	45	80	ok	JJA	SM	NO	1
132	P30B1	HYACINTH DR		11/14/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
133	P30B1	HYACINTH DR		11/14/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
323	P32D1	VIA CUENCA		11/28/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0

27	P28C1	SPRING MEADOW DR	11/20/12	03/09/11	0	0	0	0	0	0	0	dirty	JJA	SM	NO	0.25
324	P32D1	VIA CUENCA	11/28/12		0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
21	P28D1	SILVER HAWK WY	11/20/12	09/25/12	135	100	0	0	0	0	0	ok	JJA	SM	NO	1
129	P30C1	MOUNTAIN PRIDE DR	11/14/12		0	0	0	0	0	0	0	dirty. Added new stencil	JJA	SM	NO	0
26	P28C1	HUCKABY LN	11/20/12	03/09/11	0	0	0	0	0	0	0	ok	JJA	SM	NO	0.25
20	P28D1	OLD OAK TER	11/20/12	09/25/12	150	100	0	0	0	0	0	ok	JJA	SM	NO	1
22	P28D1	SILVER HAWK WY	11/20/12	09/25/12	150	100	0	0	0	0	0	ok	JJA	SM	NO	1
1416	P30A1	AGEAN CT	11/13/12		0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
130	P30C1	HYACINTH DR	11/14/12		0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
1417	P30A1	AGEAN CT	11/13/12	01/10/12	200	85	5	5	30	10	0	dirty	JJA	SM	NO	1
131	P30C1	HYACINTH DR	11/14/12		0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
6	P28C1	JOAQUIN RIDGE DR	11/20/12	07/03/12	0	0	0	0	5	100	0	ok	JJA	SM	NO	0.5
5	P28C1	JOAQUIN RIDGE DR	11/20/12	03/08/11	15	0	5	100	0	0	0	dirty	JJA	SM	NO	0.25
123	P30C1	CHACO CANYON RD	11/14/12	06/14/11	400	85	20	10	5	5	0	dirty	JJA	SM	NO	4
136	P30C1	MOUNTAIN PRIDE DR	11/14/12		0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
11	P28B1	JOAQUIN RIDGE DR	11/20/12	03/08/11	25	95	0	0	5	5	0	manhole lid has bolts "at	JJA	SM	NO	0.5
10	P28B1	JOAQUIN RIDGE DR	11/20/12	03/08/11	10	100	0	0	0	0	0	ok, needs stencil	JJA	SM	NO	0.5
327	P33A2	AVENIDA SOMBRA	11/28/12	04/03/13	100	95	2	5	0	0	0	clean	JJA	SM	NO	1
264	P31D2	SKYVIEW RIDGE DR	11/19/12		0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
326	P33A2	AVENIDA SOMBRA	11/28/12	04/03/13	125	85	1	5	10	10	0	clean	JJA	SM	NO	1
122	P30C2	CHACO CANYON RD	11/14/12	06/14/11	250	95	5	3	1	2	0	full of water	JJA	SM	NO	1
4	P28C2	JOAQUIN RIDGE DR	11/20/12	07/03/12	30	20	0	0	80	80	0	dirty	JJA	SM	NO	1
3	P28C2	JOAQUIN RIDGE DR	11/20/12	07/03/12	20	85	0	0	5	15	0	ok	JJA	SM	NO	0.75
121	P30C2	CHACO CANYON RD	11/14/12	06/13/11	98	0	2	2	0	0	0	Storm Drain is Full of W	JJA	SM	NO	4.5
14	P28C2	VIA MORENO	11/20/12	03/07/11	0	0	0	0	0	0	0	dirty	JJA	SM	NO	0.5
239	P32A2	NEW HAVEN DR	11/19/12	08/17/11	0	0	0	0	35	100	0	dity, new rain/drain dot	JJA	SM	NO	0.5
13	P28C2	VIA MORENO	11/20/12	03/07/11	100	100	0	0	0	0	0	ok	JJA	SM	NO	1
44	P30C3	SWEET WILLIAM LN	11/14/12		0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
97	P31B3	CALIFORNIA OAKS RD	12/04/12		0	0	0	0	0	0	0	dirty. added missing nun	JJA	SM	YES	0
411	P33A3	WILLOWBEND DR	11/28/12	07/14/11	65	85	0	0	20	15	0	ok	JJA	SM	NO	0.75
412	P33A3	WILLOWBEND DR	11/28/12		0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
368	P33B3	WHITEWOOD RD	11/28/12	01/14/13	150	95	0	0	5	5	0	clean	JJA	SM	YES	1
367	P33B3	WHITEWOOD RD	11/28/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
456	P28C4	BENDING OAK CT	11/20/12	08/27/12	250	60	5	5	100	45	0	dirty	JJA	SM	NO	2
437	P33B4	BLACKTHORNE DR	11/28/12	08/28/12	25	100	0	0	0	0	0	dirty	JJA	SM	NO	0.75
457	P28C4	BENDING OAK CT	11/20/12	08/27/12	350	75	10	5	100	20	0	ok	JJA	SM	NO	3
296	P31C4	SUNFLOWER RD	11/19/12	10/27/11	100	99	1	1	0	0	0	dirty	JJA	SM	NO	1
297	P31C4	SUNFLOWER RD	11/19/12		0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
449	P33A4	AVENIDA MIGUEL OESTE	11/28/12	08/22/12	50	100	0	0	0	0	0	ok	JJA	SM	NO	1
109	P31A4	MONROE AVE	11/14/12	06/14/11	50	99	1	1	0	0	0	ok	JJA	SM	NO	0.75
450	P33A4	CALLE ENTRADERO	11/28/12		0	0	0	0	0	0	0	ok	JJA	SM	NO	0
110	P31A4	MONROE AVE	11/14/12	06/14/11	150	99	1	1	0	0	0	ok	JJA	SM	NO	1

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410	P33B4	BLACKTHORNE DR	11/28/12	07/14/11	75	60	0	0	50	40	ok	JJA	SM	NO	0.75
298	P31C4	SUNFLOWER RD	11/19/12	10/27/11	100	100	0	0	0	0	dirty	JJA	SM	NO	1
458	P28D1	BENDING OAK CT	11/20/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
448	P33A4	AVENIDA MIGUEL OESTE	11/28/12	08/20/12	50	90	5	10	0	0	dirty	JJA	SM	NO	0.75
459	P28D1	BENDING OAK CT	11/20/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
299	P31C4	MALBEC ST	11/19/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
460	P28D1	CALLE CIPRES	11/20/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
447	P33A4	AVENIDA MIGUEL OESTE	11/28/12	08/22/12	50	98	1	2	0	0	ok	JJA	SM	NO	1
464	P28C4	MOUNTAINSIDE CT	11/20/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
300	P31C4	SUNFLOWER RD	11/19/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
461	P28C4	RUSTIC RD	11/20/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
409	P33B4	BLACKTHORNE DR	11/28/12	08/15/11	100	99	1	1	0	0	ok	JJA	SM	NO	1
417	P33A4	AVENIDA PALIZADA	11/28/12	08/23/12	200	80	10	5	20	15	ok	JJA	SM	NO	1.5
462	P28C4	RUSTIC RD	11/20/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
416	P33A4	AVENIDA PALIZADA	11/28/12	07/14/11	75	75	0	0	25	25	ok	JJA	SM	NO	0.75
408	P33B4	BLACKTHORNE DR	11/28/12	08/15/11	150	100	0	0	0	0	ok	JJA	SM	NO	1.5
463	P28C4	MOUNTAINSIDE CT	11/20/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
48	P30B4	BEARSKIN CIR	11/19/12		0	0	0	0	0	0	dirty ok	JJA	SM	NO	0
47	P30B4	ELK RUN DR	11/19/12	10/31/12	200	70	20	10	70	20		JJA	SM	NO	2.5
337	P42C1	VIA TEMPRANO	11/28/12	07/13/11	0	0	0	0	0	0	bolts "attempted"	JJA	SM		0.25
45	P39B1	VALOR DR	11/19/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
46	P39B1	VALOR DR	09/20/11		0	0	0	0	0	0	ok	JJA	SM	NO	0
339	P42C1	VIA TEMPRANO	11/28/12	07/13/11	0	0	0	0	0	0	dirty	JJA	SM	NO	0.25
338	P42C1	VIA TEMPRANO	11/28/12	07/13/11	75	75	5	5	20	20	dirty	JJA	SM	NO	1
407	P42B2	BLACKTHORNE DR	11/28/12	08/15/11	85	100	0	0	0	0	dirty	JJA	SM	NO	1
398	P42B1	CASANDRA CT	11/28/12	08/15/11	100	95	0	0	1	5	ok	JJA	SM	NO	1
706	P40C1	MONROE AVE	09/15/11		0	0	0	0	0	0	ok	JJA	SM	NO	0
506	P40C1	MONROE AVE	09/22/11		0	0	0	0	0	0	installed # dot/ stencil/ b	JJA	SM	NO	0
341	P42C1	VIA MONTALVO	11/28/12	07/13/11	85	85	5	5	10	10	ok	JJA	SM	NO	1
340	P42C1	VIA MONTALVO	11/28/12	07/13/11	0	0	0	0	0	0	Manhole lid has bolts	JJA	SM	NO	0.25
507	P40C1	MONROE AVE	09/22/11		0	0	0	0	0	0	installed # dot/ stencil/ d	JJA	SM	NO	0
713	P42C1	VIA MONSERATE	11/28/12		0	0	0	0	0	0	bolts stripped "attempter	JJA	SM	NO	0
346	P42D1	VIA TEMPRANO	11/28/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
714	P42C1	VIA MONSERATE	11/28/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
348	P42D2	VIA DOMINIQUE	11/28/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
347	P42D2	VIA TEMPRANO	11/28/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
310	P41C2	VIA LAS LOMAS	11/28/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
309	P41C2	VIA LAS LOMAS	11/28/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
400	P42B2	RIDGEDALE DR	11/28/12		0	0	0	0	0	0	ok-replaced stencil	JJA	SM	NO	0
399	P42B2	RIDGEDALE DR	11/28/12		0	0	0	0	0	0	ok	JJA	SM	NO	0

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402	P42A2	MAGNUM LN	11/28/12		0	0	0	0	0	0	0	ok	JJA	SM	NO	0
345	P42D2	VIA TEMPRANO	11/28/12	07/13/11	0	0	0	0	0	0	0	ok	JJA	SM	NO	0.25
403	P42A2	MAGNUM LN	11/28/12		0	0	0	0	0	0	0	ok	JJA	SM	NO	0
344	P42D2	VIA TEMPRANO	11/28/12	07/13/11	0	0	0	0	0	0	0	ok	JJA	SM	NO	0.25
401	P42A2	MARVIN GARDENS WY	11/28/12		0	0	0	0	0	0	0	dirty, manhole lid has bc	JJA	SM	NO	0
343	P42D2	VIA TEMPRANO	11/28/12	07/13/11	125	100	0	0	0	0	0	dirty-replace stencil	JJA	SM	NO	0.75
872	P42C2	VIA TEMPRANO	11/28/12	07/13/11	0	0	0	0	0	0	0	ok	JJA	SM	NO	0.25
342	P42C2	VIA TEMPRANO	11/28/12		0	0	0	0	0	0	0	ok	JJA	SM	NO	0
406	P42A2	BIRCHTREE DR	11/28/12		0	0	0	0	0	0	0	ok bolts stripped "	JJA	SM	NO	0
405	P42A3	BIRCHTREE DR	11/28/12		0	0	0	0	0	0	0	ok	JJA	SM	NO	0
55	P39A3	FULLERTON RD	09/20/11		0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
404	P42A3	BIRCHTREE DR	11/28/12		0	0	0	0	0	0	0	ok	JJA	SM	NO	0
56	P39A3	FULLERTON RD	09/20/11		0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
423	P42A3	ALTA MURRIETA DR	08/24/11	01/09/13	300	80	0	0	40	20	clean	JJA	SM	YES	2.5	
1408	P42A3	ALTA MURRIETA DR	11/28/12	01/12/12	160	70	5	1	140	29	ok	JJA	SM	NO	1.75	
426	P42A3	ALTA MURRIETA DR	11/28/12	01/09/13	200	85	1	5	50	10	clean ... 1 of 2 filters brok	JJA	SM	YES	2	
425	P42A3	ALTA MURRIETA DR	11/28/12	01/10/13	100	60	0	0	75	40	1 of 2 filters broken	JJA	SM	YES	1.5	
493	P32B3	VIA ESPANA	11/19/12		0	0	0	0	0	0	0	ok	JJA	SM	NO	0
492	P32B3	VIA ESPANA	11/19/12		0	0	0	0	0	0	0	ok	JJA	SM	NO	0
248	P32B2	SUNROSE DR	11/19/12		0	0	0	0	0	0	0	dirty, new rain/drain dot	JJA	SM	NO	0
247	P32B2	SUNROSE DR	11/19/12		0	0	0	0	0	0	0	dirty, new rain/drain dot	JJA	SM	NO	0
229	P32C2	LAS BRISAS RD	11/19/12	04/08/13	65	95	0	0	5	5	clean	JJA	SM	NO	1	
228	P32C2	LAS BRISAS RD	11/19/12		0	0	0	0	0	0	0	ok	JJA	SM	NO	0
259	P32B4	VIA ESPANA	11/19/12		0	0	0	0	0	0	0	ok	JJA	SM	NO	0
258	P32B4	GIBRALTAR DR	11/19/12		0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
317	P41B1	LOS ALAMOS RD	12/04/12	10/27/11	100	100	0	0	0	0	0	ok	JJA	SM	NO	1
316	P41B1	LOS ALAMOS RD	12/04/12		0	0	0	0	0	0	0	ok	JJA	SM	NO	0
315	P41B1	LOS ALAMOS RD	12/04/12		0	0	0	0	0	0	0	ok	JJA	SM	NO	0
318	P41B1	LOS ALAMOS RD	12/04/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
311	P41C2	PARKCREST DR	11/28/12		0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
312	P41C2	PARKCREST DR	11/28/12		0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
422	P41D1	AVENIDA ACACIAS	11/28/12	02/15/12	85	98	0	0	3	2	ok	JJA	SM	NO	1	
320	P33A2	WHITEWOOD RD	08/22/11		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
322	P33A2	WHITEWOOD RD	08/22/11	01/14/13	300	85	0	0	20	15	clean	JJA	SM	YES	2.5	
370	P33A3	WHITEWOOD RD	11/28/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
371	P33A3	WHITEWOOD RD	11/28/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
364	P33C4	WHITEWOOD RD	11/28/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
365	P42C1	WHITEWOOD RD	11/28/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
366	P42C1	WHITEWOOD RD	11/28/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
726	P43C1	EAGLE DR	12/03/12		0	0	0	0	0	0	0	ok	JJA	SM	NO	0
727	P43C1	EAGLE DR	12/03/12		0	0	0	0	0	0	0	ok	JJA	SM	NO	0
724	P43C1	EDGEWOOD DR	12/03/12		0	0	0	0	0	0	0	replaced stencil, dirty	JJA	SM	NO	0

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725	P43C1	EAGLE DR		12/03/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
722	P43C1	OAKMONT CT		12/03/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
723	P43C1	EDGEWOOD DR		12/03/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
721	P43C1	OAKMONT CT		12/03/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
720	P43C1	EDGEWOOD DR		12/03/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
719	P43C1	EDGEWOOD DR		12/03/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
716	P43C1	PEBBLE BEACH DR		12/03/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
715	P43C1	PEBBLE BEACH DR		12/03/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
864	P34C4	BENT TREE DR		12/03/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
863	P34C4	BENT TREE DR		12/03/12		0	0	0	0	0	0	ok, bolts	JJA	SM	NO	0
718	P43D1	PEBBLE BEACH DR		12/03/12		0	0	0	0	0	0	ok	JJA	SM		0
717	P43D1	PEBBLE BEACH DR		12/03/12		0	0	0	0	0	0	ok	JJA	SM		0
623	P34D4	SPYGLASS CIR	07/25/11	12/03/12	10/27/11	50	100	0	0	0	0	dirty	JJA	SM	NO	0.5
624	P34D4	SPYGLASS CIR		12/03/12	10/27/11	50	100	0	0	0	0	ok bolts stripped	JJA	SM	NO	0.5
622	P34D4	WOODLANDS AVE		12/03/12	10/27/11	50	100	0	0	0	0	dirty	JJA	SM	NO	0.5
617	P34D4	CRESTA DEL REYO		12/03/12	10/27/11	50	100	0	0	0	0	dirty,	JJA	SM	NO	0.5
618	P34D4	CRESTA DEL REYO	07/25/11	12/03/12	10/27/11	50	100	0	0	0	0	bolts stripped "ok	JJA	SM	NO	0.5
619	P34D3	CRESTA DEL REYO		12/03/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
621	P34D3	ROSSITER RD		12/03/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
620	P34D3	ROSSITER RD		12/03/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
629	P34D2	HAZEL GLEN RD		12/03/12	06/21/11	200	100	0	0	0	0	ok	JJA	SM	NO	2
628	P34D2	HAZEL GLEN RD		12/03/12	09/18/12	45	50	20	20	30	30	ok	JJA	SM	NO	1
626	P35B2	YORKTON RD		12/03/12	06/21/11	0	0	0	0	0	0	ok	JJA	SM	NO	0.25
625	P35B2	YORKTON RD		12/03/12	06/21/11	0	0	0	0	0	0	ok, bolts "attempted"	JJA	SM	NO	0.25
631	P35A3	CALLE ANDRAS		12/03/12	09/18/12	25	20	15	25	45	45	ok	JJA	SM	NO	1
630	P35A3	CALLE ANDRAS		12/03/12	01/22/13	60	65			25	35		JJA	SM	NO	1
632	P35A3	CALLE ANDRAS		12/03/12	09/18/12	200	99	2	1	0	0	ok	JJA	SM	NO	2
634	P35A3	NEWCASTLE RD		12/03/12	07/12/11	100	75	0	0	50	25	ok	JJA	SM	NO	1
635	P35A3	NEWCASTLE RD		12/03/12	07/12/11	150	70	5	5	50	25	ok	JJA	SM	NO	1.25
637	P35A3	SHADY MAPLE RD		12/03/12	07/12/11	0	0	0	0	0	0	ok	JJA	SM	NO	0
636	P35A3	SHADY MAPLE RD		12/03/12	07/12/11	0	0	0	0	0	0	ok. bolts "	JJA	SM	NO	0
731	P44A1	HUNTER RD		12/03/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
730	P44A1	HUNTER RD		12/03/12		0	0	0	0	0	0	ok	JJA	SM		0
740	P35A4	VERANDA WY		12/03/12	07/12/11	125	75	0	0	50	25	ok Manhole lid has bolt:	JJA	SM	NO	1
728	P43D1	HUNTER RD		12/03/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
729	P34D4	HUNTER RD		12/03/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
741	P35A4	VERANDA WY		12/03/12	07/12/11	65	85	5	5	15	10	ok	JJA	SM	NO	0.75
742	P35A4	VERANDA WY		12/03/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
861	P35B4	SWEET MAGNOLIA WY		12/03/12		0	0	0	0	0	0	ok	JJA	SM		0
862	P35B4	SWEET MAGNOLIA WY		12/03/12		0	0	0	0	0	0	dirty,	JJA	SM		0
593	P38C2	HAYES AVE		11/20/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
591	P38C2	DUSTY TR		11/20/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0



589	P38C2	CHISOLM TR	11/20/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
590	P38C2	CHISOLM TR	11/20/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
592	P38C2	DUSTY TR	11/20/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
594	P38C2	OREGON TR	09/22/11		0	0	0	0	0	0	dirty	JJA	SM	NO	0
595	P38C2	OREGON TR	09/22/11		0	0	0	0	0	0	dirty/has bolts"attemptec	JJA	SM	NO	0
53	P39A2	WASHINGTON AVE	11/26/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
54	P39A2	WASHINGTON AVE	11/26/12	10/25/12	130	95	5	5	0	0	ok	JJA	SM	YES	1.5
866	P39B3	WASHINGTON AVE	11/26/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
1279	P39B3	WASHINGTON AVE	11/26/12	10/25/12	150	85	0	0	10	15	ok	JJA	SM	NO	1.5
525	P47B1	GENOVA CT	11/26/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
524	P47B1	WEeping WILLOW LN	11/26/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
523	P47B1	WEeping WILLOW LN	11/26/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
59	P47B1	WEeping WILLOW LN	11/26/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
60	P47B1	WEeping WILLOW LN	11/26/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
57	P39B4	WEeping WILLOW LN	11/26/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
58	P39B4	WEeping WILLOW LN	11/26/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
P	P48C1	MURRIETA SPRINGS PLAZA			0	0	0	0	0	0		JJA	SM		0
313	P40C4	LOS ALAMOS/MADISON	12/04/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
481	P40C4	MADISON AVE	09/15/11		0	0	0	0	0	0	dirty	JJA	SM	YES	0
88	P49B1	MURRIETA HOT SPRINGS RD	12/04/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
490	P49B1	SPARKMAN DR	11/28/12		0	0	0	0	0	0	dirty	JJA	SM		0
488	P41C4	HANCOCK AVE	09/14/11		0	0	0	0	0	0	dirty	JJA	SM	NO	0
487	P41C4	MEDICAL CENTER DR	11/28/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
432	P41C4	MEDICAL CENTER DR	09/15/11		0	0	0	0	0	0	ok	JJA	SM	NO	0
433	P41C4	MEDICAL CENTER DR	09/15/11		0	0	0	0	0	0	ok	JJA	SM	NO	0
434	P41C4	HANCOCK AVE	09/14/11		0	0	0	0	0	0	dirty	JJA	SM	NO	0
435	P41C4	HANCOCK AVE	09/14/11		0	0	0	0	0	0	dirty	JJA	SM	NO	0
314	P40D2	LOS ALAMOS RD	12/04/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
517	P41C4	WALSH CENTER DR	09/15/11		0	0	0	0	0	0	dirty	JJA	SM	NO	0
516	P41C4	WALSH CENTER DR	09/15/11		0	0	0	0	0	0	dirty	JJA	SM	NO	0
257	P41C2	HANCOCK AVE	09/14/11		0	0	0	0	0	0	dirty	JJA	SM	NO	0
256	P41C2	HANCOCK AVE	09/14/11		0	0	0	0	0	0	dirty	JJA	SM		0
372	P50B1	ROCKCREST DR	11/28/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
373	P50B1	ROCKCREST DR	11/28/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
361	P50C1	WHITEWOOD RD	12/04/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
362	P50C1	WHITEWOOD RD	08/22/11	01/14/13	100	90	0	0	5	10	clean	JJA	SM	YES	1
374	P50B1	ROCKCREST DR	11/28/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
514	P42B4	BRAEWOOD CT	11/28/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
387	P42B4	HIGHBURY DR	11/28/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
389	P42B4	DAPHNE DR	11/28/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
390	P42B4	DAPHNE DR	11/28/12		0	0	0	0	0	0	dirty,	JJA	SM	NO	0
388	P42B4	DAPHNE DR	11/28/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0

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375	P42B4	ROCKCREST DR	11/28/12			0	0	0	0	0	0	dirty-repaired guard bar	JJA	SM	NO	0
376	P42B4	ROCKCREST DR	11/28/12			0	0	0	0	0	0	dirty	JJA	SM	NO	0
378	P42B4	ROCKCREST DR	11/28/12			0	0	0	0	0	0	ok	JJA	SM	NO	0
377	P42B4	ROCKCREST DR	11/28/12			0	0	0	0	0	0	ok	JJA	SM	NO	0
P	P51B1	MHS/SCGA				0	0	0	0	0	0		JJA	SM		0
734	P44A3	AUGUSTA DR	12/03/12			0	0	0	0	0	0	ok	JJA	SM	NO	0
735	P44A3	AUGUSTA DR	12/03/12	02/14/12		45	90	0	0	5	10	ok	JJA	SM	NO	0.75
737	P44A3	PINEHURST DR	12/03/12			0	0	0	0	0	0	ok	JJA	SM	NO	0
739	P44A3	JURUPA HILLS DR	12/03/12	01/31/13		0	0	0	0	75	100		JJA	SM	NO	0.75
738	P44A3	JURUPA HILLS DR	12/03/12	01/31/13		0	0	0	0	20	100		JJA	SM	NO	0.5
736	P44A3	PINEHURST DR	12/03/12			0	0	0	0	0	0	ok	JJA	SM	NO	0
528	P47B2	CALLE ESTANCIA	11/26/12			0	0	0	0	0	0	dirty	JJA	SM	NO	0
529	P47B2	CALLE ESTANCIA	11/26/12			0	0	0	0	0	0	dirty	JJA	SM	NO	0
527	P47B2	CALLE ESTANCIA	11/26/12			0	0	0	0	0	0	ok	JJA	SM	NO	0
526	P47B2	CALLE ESTANCIA	11/26/12			0	0	0	0	0	0	dirty	JJA	SM	NO	0
530	P47B2	CIRCULO MARAGO	11/26/12			0	0	0	0	0	0	dirty	JJA	SM	NO	0
763	P50D3	PALM TREE LN	11/27/12			0	0	0	0	0	0	dirty	JJA	SM	NO	0
P	P19A1	BEAR CREEK DR				0	0	0	0	0	0		JJA	SM		0
P	P19A1	BEAR CREEK DR				0	0	0	0	0	0		JJA	SM		0
P	P27C3	OS ON GOLF COURSE				0	0	0	0	0	0		JJA	SM		0
P	P27C3	OS ON GOLF COURSE				0	0	0	0	0	0		JJA	SM		0
P	P27C3	BEAR CREEK DR				0	0	0	0	0	0		JJA	SM		0
P	P27C3	OS ON GOLF COURSE				0	0	0	0	0	0		JJA	SM		0
P	P27C3	BEAR CREEK DR				0	0	0	0	0	0		JJA	SM		0
P	P27C3	BEAR CREEK DR				0	0	0	0	0	0		JJA	SM		0
P	P27C3	BEAR CREEK DR				0	0	0	0	0	0		JJA	SM		0
P	P27C2	STREAMSIDE CT				0	0	0	0	0	0		JJA	SM		0
P	P27D2	LIVE OAK CT				0	0	0	0	0	0		JJA	SM		0
P	P27C3	POPLAR CT				0	0	0	0	0	0		JJA	SM		0
P	P27B2	BEAR CREEK DR				0	0	0	0	0	0		JJA	SM		0
P	P19B1	GREYWALLS DR				0	0	0	0	0	0		JJA	SM		0
P	P19B1	GREYWALLS DR				0	0	0	0	0	0		JJA	SM		0
P	P19B1	CHERRYWOOD DR				0	0	0	0	0	0		JJA	SM		0
P	P19B1	CHERRYWOOD DR				0	0	0	0	0	0		JJA	SM		0
P	P19B1	CHERRYWOOD DR				0	0	0	0	0	0		JJA	SM		0
P	P22B4	AVENIDA FLORITA				0	0	0	0	0	0		JJA	SM		0
P	P22B4	AVENIDA FLORITA				0	0	0	0	0	0		JJA	SM		0
396	P42B3	RIDGEPLUME DR	11/28/12			0	0	0	0	0	0	dirty	JJA	SM		0
397	P42B3	RIDGEPLUME DR	11/28/12			0	0	0	0	0	0	dirty	JJA	SM		0
428	P42A3	ALTA MURRIETA DR	08/24/11	01/09/13		75	60	0	0	50	40	clean	JJA	SM	YES	1
427	P42A3	ALTA MURRIETA DR	08/22/11	01/09/13		180	80	0	0	45	20	clean	JJA	SM	YES	1
363	P42C4	WHITEWOOD RD	12/04/12			0	0	0	0	0	0	dirty	JJA	SM	YES	0
382	P42C4	RAMSHORN DR	11/28/12			0	0	0	0	0	0	dirty	JJA	SM	NO	0



384	P42C4	RAMSHORN DR	11/28/12	0	0	0	0	0	0	dirty	JJA	SM	NO	0	
394	P41D4	SHADESCALE DR	11/28/12	0	0	0	0	0	0	ok	JJA	SM		0	
383	P42C4	RAMSHORN DR	11/28/12	0	0	0	0	0	0	dirty	JJA	SM	NO	0	
350	P42D1	WILD FLOWER DR	11/28/12	0	0	0	0	0	0	dirty	JJA	SM	NO	0	
349	P42D1	WILD FLOWER DR	11/28/12	0	0	0	0	0	0	dirty-replace stencil	JJA	SM	NO	0	
393	P41D4	SHADESCALE DR	11/28/12	0	0	0	0	0	0	ok	JJA	SM		0	
381	P42C4	RAMSHORN DR	11/28/12	0	0	0	0	0	0	dirty	JJA	SM	NO	0	
352	P42D1	OLD SPRING RD	11/28/12	0	0	0	0	0	0	dirty	JJA	SM	NO	0	
351	P42D1	OLD SPRING RD	11/28/12	0	0	0	0	0	0	dirty	JJA	SM	NO	0	
354	P42D1	WILD FLOWER DR	11/28/12	0	0	0	0	0	0	dirty-replace stencil	JJA	SM	NO	0	
353	P42D1	WILD FLOWER DR	11/28/12	0	0	0	0	0	0	dirty	JJA	SM	NO	0	
355	P42C4	COUNTRY WALK LN	08/22/11	0	0	0	0	0	0	dirty, bolts "attempted"	JJA	SM	NO	0	
385	P42B4	HIGHBURY DR	11/28/12	0	0	0	0	0	0	dirty	JJA	SM	NO	0	
386	P42B4	HIGHBURY DR	11/28/12	0	0	0	0	0	0	dirty	JJA	SM	NO	0	
356	P42C4	FOX RUN CT	11/28/12	0	0	0	0	0	0	ok	JJA	SM	NO	0	
380	P50B1	NOTTING HILL DR	11/28/12	0	0	0	0	0	0	dirty-replace stencil	JJA	SM	NO	0	
486	P50C1	WILD FLOWER DR	11/28/12	0	0	0	0	0	0	dirty	JJA	SM	NO	0	
358	P50C1	SUMMERHILL CT	11/28/12	0	0	0	0	0	0	ok	JJA	SM	NO	0	
451	P50A1	DAPHNE DR	11/28/12	0	0	0	0	0	0	ok	JJA	SM	NO	0	
452	P50A1	DAPHNE DR	11/28/12	0	0	0	0	0	0	ok-repaired guard bar	JJA	SM	NO	0	
357	P50C1	SUMMERHILL CT	11/28/12	0	0	0	0	0	0	dirty	JJA	SM	NO	0	
454	P50B1	NOTTING HILL DR	11/28/12	0	0	0	0	0	0	ok	JJA	SM	NO	0	
453	P50B1	NOTTING HILL DR	11/28/12	0	0	0	0	0	0	ok	JJA	SM	NO	0	
	P48D2	MURRIETA HOT SPRINGS RD		0	0	0	0	0	0		UNK	SM		0	
88	P48D2	MADISON AVE	11/26/12	0	0	0	0	0	0	dirty	JJA	SM	YES	0	
697	P57A3	ELM ST	11/26/12	0	0	0	0	0	0	dirty	JJA	SM	YES	0	
498	P57A3	ELM ST	11/26/12	08/29/12	25	25	20	5	30	70	dirty	JJA	SM	YES	1
79	P62A1	RAINTREE CT	11/26/12	0	0	0	0	0	0	dirty	JJA	SM	YES	0	
78	P62A1	RAINTREE CT	11/26/12	12/15/10	250	95	0	5	0	0	dirty, replaced stencil	JJA	SM	YES	1
81	P62A2	PEAR ST	11/26/12	0	0	0	0	0	0	dirty, replaced stencil	JJA	SM	YES	0	
82	P62A2	PIERCE CIR	11/26/12	0	0	0	0	0	0	dirty	JJA	SM	YES	0	
80	P62A2	PEAR ST	11/26/12	0	0	0	0	0	0	dirty, replaced stencil	JJA	SM	YES	0	
75	P62A2	DATE ST	11/26/12	0	0	0	0	0	0	dirty	JJA	SM	YES	0	
74	P62A2	DATE ST	11/26/12	10/11/11	145	100	0	0	0	0	dirty	JJA	SM	YES	1
76	P62A2	DATE ST	11/26/12	0	0	0	0	0	0	dirty	JJA	SM	YES	0	
77	P62A3	JEFFERSON AVE	11/26/12	0	0	0	0	0	0	dirty	JJA	SM	YES	0	
70	P61D3	ADAMS AVE	11/26/12	12/13/10	150	90	0	0	15	10	dirty	JJA	SM	YES	1
71	P61D3	DATE ST	11/26/12	12/13/10	200	89	2	1	20	10	dirty	JJA	SM	YES	1
72	P61D3	DATE ST	11/26/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
73	P61D4	REAGAN WY	11/26/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
195	P12B3	CLINTON KEITH RD	12/06/12	02/09/11	250	90	1	10	0	0	dirty, sand bagged @ cc	JJA	SM	YES	1.5
194	P12C3	CLINTON KEITH RD	12/06/12	02/09/11	150	98	0	0	1	2	dirty	JJA	SM	YES	1

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455	P12C3	SONATA DR	11/14/12	10/19/11	50	100	0	0	0	0	0 ok	JJA	SM	NO	0.75
704	P12B3	NUTMEG ST	12/06/12		0	0	0	0	0	0	0 dirty	JJA	SM	YES	0
575	P12B3	PINEDALE WY	11/13/12		0	0	0	0	0	0	0 ok	JJA	SM	NO	0
573	P12B3	ASHLAND WY	11/13/12		0	0	0	0	0	0	0 dirty	JJA	SM	NO	0
754	P12B3	ASHLAND WY	11/13/12		0	0	0	0	0	0	0 ok	JJA	SM	NO	0
491	P12B3	NUTMEG ST	12/06/12		0	0	0	0	0	0	0 dirty	JJA	SM	YES	0
187	P12D3	VIA SEGOVIA	11/14/12	10/19/11	100	95	0	0	1	5	5 ok	JJA	SM	NO	1
188	P12D3	VIA SEGOVIA	11/14/12	02/09/11	50	100	0	0	0	0	0 ok, bolts stripped "attem	JJA	SM	NO	0.5
193	P12A3	CLINTON KEITH RD	12/06/12	02/09/11	150	95	0	0	1	5	5 dirty	JJA	SM	YES	1
192	P12A3	CLINTON KEITH RD	12/06/12	02/09/11	200	95	1	5	0	0	0 dirty	JJA	SM	YES	1.5
438	P13A3	VIA SEGOVIA	11/14/12	10/19/11	75	85	0	0	1	15	15 ok	JJA	SM	NO	0.75
512	P13A2	VIA MADRID	11/14/12	10/19/11	120	95	0	1	5	0	0 ok	JJA	SM	NO	1
531	P20C4	JEFFERSON AVE	11/19/12		0	0	0	0	0	0	0 ok	JJA	SM	NO	0
541	P20C4	JEFFERSON AVE	11/19/12		0	0	0	0	0	0	0 dirty	JJA	SM	NO	0
532	P20C4	GRIZZLY RIDGE DR	11/19/12		0	0	0	0	0	0	0 dirty	JJA	SM	NO	0
533	P29C1	GRIZZLY RIDGE DR	09/20/11		0	0	0	0	0	0	0 dirty	JJA	SM	NO	0
578	P29C1	GRIZZLY RIDGE DR	11/19/12		0	0	0	0	0	0	0 dirty	JJA	SM	NO	0
534	P29C1	GRIZZLY RIDGE DR	11/19/12		0	0	0	0	0	0	0 dirty	JJA	SM	NO	0
536	P29C1	GRIZZLY RIDGE DR	11/19/12		0	0	0	0	0	0	0 ok	JJA	SM	NO	0
535	P29C1	GRIZZLY RIDGE DR	11/19/12		0	0	0	0	0	0	0 ok	JJA	SM	NO	0
538	P29B1	GRIZZLY RIDGE DR	11/19/12		0	0	0	0	0	0	0 dirty, bolts stripped "atte	JJA	SM	NO	0
537	P29B1	GRIZZLY RIDGE DR	11/19/12		0	0	0	0	0	0	0 dirty	JJA	SM	NO	0
540	P29B1	WASHINGTON AVE	11/26/12	10/23/12	95	85	5	15	0	0	0 ok	JJA	SM	YES	1
138	P21B4	NUTMEG ST	12/06/12		0	0	0	0	0	0	0 dirty	JJA	SM	NO	0
139	P21B4	NUTMEG ST	12/06/12		0	0	0	0	0	0	0 dirty	JJA	SM	YES	0
140	P21B4	VIA OLIVA	11/13/12		0	0	0	0	0	0	0 replaced damaged stenc	JJA	SM	NO	0
474	P30B1	PRIMULA CIR	11/13/12		0	0	0	0	0	0	0 dirty	JJA	SM	NO	0
477	P21C2	NUTMEG ST	12/06/12		0	0	0	0	0	0	0 dirty	JJA	SM	YES	0
147	P21C2	NUTMEG ST	12/06/12		0	0	0	0	0	0	0 dirty	JJA	SM	YES	0
148	P21D2	VIA DE GEMA LINDA	11/14/12		0	0	0	0	0	0	0 dirty	JJA	SM	NO	0
37	P30A1	CADENZA DR	11/13/12	09/04/12	2	5	10	5	15	90	inspection-added new st	JJA	SM	NO	1
38	P30B1	CADENZA DR	11/13/12	09/04/12	3	5	20	15	0	0	inspection-added new st	JJA	SM	NO	1
100	P22D4	CALIFORNIA OAKS RD	12/04/12		0	0	0	0	0	0	0 dirty	JJA	SM	YES	0
263	P31D1	SKYVIEW RIDGE DR	11/19/12		0	0	0	0	0	0	0 ok	JJA	SM	NO	0
577	P23B4	CALLE SANTA MONICA	11/19/12		0	0	0	0	0	0	0 dirty	JJA	SM	NO	0
244	P23B3	CALLE SAN VICENTE	11/19/12		0	0	0	0	0	0	0 dirty	JJA	SM	NO	0
814	P23B4	CALLE PERLA	11/19/12		0	0	0	0	0	0	0 ok, new rain/drain dot	JJA	SM	NO	0
813	P23B4	CALLE PERLA	11/19/12		0	0	0	0	0	0	0 ok, new rain/drain dot	JJA	SM	NO	0
815	P23B4	CALLE PERLA	11/19/12		0	0	0	0	0	0	0 dirty	JJA	SM	NO	0
816	P23B4	VIA GALLETAS	11/19/12		0	0	0	0	0	0	0 dirty	JJA	SM	NO	0
817	P23B4	VIA GALLETAS	11/19/12		0	0	0	0	0	0	0 ok	JJA	SM	NO	0
818	P23B4	VIA GALLETAS	11/19/12		0	0	0	0	0	0	0 ok	JJA	SM	NO	0

234	P23C3	LAS BRISAS RD	11/19/12	04/08/13	100	90	0	0	20	10	JJA	SM	NO	1	
235	P23C3	LAS BRISAS RD	11/19/12	04/08/13	100	75	0	0	25	25	JJA	SM		1	
819	P23B4	CORTE GATA	11/19/12		0	0	0	0	0	0	ok, new rain/drain dot	JJA	SM	NO	0
820	P23B4	CORTE GATA	11/19/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
325	P32D1	WHITEWOOD RD	12/04/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
231	P32C2	LAS BRISAS RD	11/19/12	04/08/13	70	70	15	15	15	15		JJA	SM	NO	1.75
230	P32C2	LAS BRISAS RD	11/19/12	04/08/13	65	93	2	2	5	5		JJA	SM	NO	1
849	P24A4	BUSMAN RD	11/28/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
851	P24A4	BUSMAN RD	11/28/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
850	P24A4	BUSMAN RD	11/28/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
855	P24A4	SPRINGHAVEN ST	11/28/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
854	P24A4	SPRINGHAVEN ST	11/28/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
852	P24B4	BUSMAN RD	11/28/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
857	P24A3	SPRINGHAVEN ST	08/24/11	10/16/12	85	60	5	40	0	0	clean	JJA	SM	NO	1
856	P24A3	SPRINGHAVEN ST	08/24/11	10/16/12	85	80	5	20	0	0	clean	JJA	SM	NO	1
853	P24B4	BUSMAN RD	11/28/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
859	P24A4	TWILIGHT CT	11/28/12	10/16/12	85	90	1	10	0	0	ok	JJA	SM	NO	1
858	P24A4	FALLSGROVE AVE	11/28/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
860	P24A4	WINTERGROVE WY	11/28/12	09/04/12	10	90	5	10	0	0	ok	JJA	SM	NO	1
558	P28D1	OXFORD DR	11/20/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
559	P28D1	OXFORD DR	11/20/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
556	P28D1	BRISTOL WY	11/20/12	08/30/12	20	80	2	10	5	10	ok	JJA	SM	NO	1
557	P28D1	BRISTOL WY	11/20/12	08/30/12	20	100	0	0	0	0	ok	JJA	SM	NO	1
554	P28D1	VIA MORENO	11/20/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
555	P28D1	VIA MORENO	11/20/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
711	P28D1	CALLE DEL OSO ORO	11/20/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
712	P28D1	CALLE DEL OSO ORO	11/20/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
596	P37C1	OAK BLUFF LN	11/20/12		0	0	0	0	0	0	dirty,	JJA	SM	NO	0
597	P37C1	OAK BLUFF LN	11/20/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
598	P37C1	CALLE CIPRES	11/20/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
599	P37C1	CALLE CIPRES	11/20/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
600	P37C1	PLACER CREEK ST	11/20/12		0	0	0	0	0	0	ok, added new stencil dc	JJA	SM	NO	0
601	P37C1	PLACER CREEK ST	11/20/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
605	P37D1	CLEAR CREEK ST	11/20/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
604	P37D1	CLEAR CREEK ST	11/20/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
603	P37C2	PLACER CREEK ST	11/20/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
602	P37C2	PLACER CREEK ST	11/20/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
788	P37D1	SILVERWOOD ST	11/20/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
789	P37D1	SILVERWOOD ST	11/20/12		0	0	0	0	0	0	ok	JJA	SM		0
791	P37D1	SILVERWOOD ST	11/20/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
790	P37D1	SILVERWOOD ST	11/20/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
794	P29A4	WOODLEAF ST	11/20/12		0	0	0	0	0	0	dirty	JJA	SM		0



108	P31B4	MONROE AVE		11/14/12		0	0	0	0	0	0	dirty. Added new stencil	JJA	SM	YES	0
96	P31B4	CALIFORNIA OAKS RD		12/04/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
301	P31B4	MONROE AVE		09/15/11		0	0	0	0	0	0	bolts stripped "attempter	JJA	SM	NO	0
480	P31B4	MONROE AVE		09/15/11		0	0	0	0	0	0	dirty	JJA	SM	NO	0
505	P40C1	SYMPHONY PARK LN		11/19/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
504	P40C1	SYMPHONY PARK LN		11/19/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
503	P40C1	SYMPHONY PARK LN		11/19/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
502	P40C1	MALBEC ST		11/19/12		0	0	0	0	0	0	dirty, repaired guard bar	JJA	SM	NO	0
501	P40C1	SYMPHONY PARK LN		09/15/11		0	0	0	0	0	0	dirty	JJA	SM	NO	0
294	P31C4	SUNFLOWER RD		11/19/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
295	P31C4	SUNFLOWER RD		11/19/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
293	P31C4	SYMPHONY PARK LN		11/19/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
292	P31C4	SYMPHONY PARK LN	11/19/12	09/15/11		0	0	0	0	0	0	dirty	JJA	SM	NO	0
291	P31D4	SYMPHONY PARK LN		11/19/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
271	P31D4	VIA REATA		11/19/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
284	P31D3	LINCOLN AVE		11/19/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
272	P31D4	VIA REATA		11/19/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
273	P31D3	VIA REATA		11/19/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
274	P31D3	CORTE JARAMILLO		11/19/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
275	P31D3	CORTE JARAMILLO		11/19/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
276	P31D3	CORTE JARAMILLO		11/19/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
277	P31D3	CORTE JARAMILLO		11/19/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
278	P31D3	CORTE JARAMILLO		11/19/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
279	P31D2	CORTE JARAMILLO		11/19/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
280	P31C2	AVENIDA ARCONTE		11/19/12	08/20/12	50	90	5	10	0	0	dirty	JJA	SM	NO	0.75
281	P31C2	AVENIDA ARCONTE		11/19/12	08/20/12	50	90	5	10	0	0	ok	JJA	SM	NO	1
282	P31D2	AVENIDA ARCONTE		11/19/12	08/20/12	100	50	50	25	50	25	ok	JJA	SM	NO	3
283	P31D2	AVENIDA ARCONTE		11/19/12	08/20/12	0	0	0	0	0	0	ok, bolts "attempted"	JJA	SM	NO	45
260	P32A4	JUNIPER ST		11/19/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
261	P32A3	WHITE LEAF LN		11/19/12		0	0	0	0	0	0	dirty, new rain/drain dot	JJA	SM	YES	0
262	P32A3	WHITE LEAF LN		11/19/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
250	P32B2	HANCOCK AVE	10/02/12	11/19/12		30	50	10	10	30	40	dirty	JJA	SM	NO	6
758	P50C3	COTTONWOOD ST		11/27/12		0	0	0	0	0	0	ok, bolts stripped "attem	JJA	SM	NO	0
757	P50C3	ROSEWOOD ST		11/27/12		0	0	0	0	0	0	bolts stripped "attempter	JJA	SM	NO	0
750	P50C4	ROSEWOOD ST		11/27/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
749	P50C4	ROSEWOOD ST		11/27/12		0	0	0	0	0	0	bolts "attempted", dirty	JJA	SM	NO	0
753	P57B1	MANZANITA ST		11/27/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
754	P57B1	MANZANITA ST		07/27/11		0	0	0	0	0	0	dirty	JJA	SM	NO	0
655	P57B1	ROLAND RD		11/27/12	02/05/13	30	100	0	0	0	0	clean	JJA	SM	NO	0.75
656	P57B1	ROLAND RD		11/27/12	02/05/13	50	100	0	0	0	0	clean	JJA	SM	NO	0.75
657	P57C1	ROLAND RD		11/27/12	02/05/13	30	100	0	0	0	0	clean	JJA	SM	NO	0.75
658	P57C1	ROLAND RD		11/27/12	02/05/13	20	100	0	0	0	0	clean	JJA	SM	NO	0.75

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755	P57B1	SADDLEBROOK ST	07/27/11		0	0	0	0	0	0	ok	JJA	SM	NO	0
756	P57C1	SADDLEBROOK ST	07/27/11		0	0	0	0	0	0	dirty	JJA	SM	NO	0
747	P50C4	SHADY GLEN ST	11/27/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
748	P50C4	SHADY GLEN ST	11/27/12		0	0	0	0	0	0	bolts "attempted",dirty	JJA	SM	NO	0
745	P50C4	SUGARBERRY LN	11/27/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
746	P50C4	SUGARBERRY LN	11/27/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
765	P50C4	BANYAN ST	11/27/12	08/28/12	75	70	5	25	25	5	dirty	JJA	SM	NO	1
760	P50C4	BANYAN ST	11/27/12		0	0	0	0	0	0	dirty, bolts "attempted"	JJA	SM	NO	0
761	P50D4	MONTAGE LN	11/27/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
759	P50D4	BANYAN ST	11/27/12		0	0	0	0	0	0	ok, replaced stencil	JJA	SM	NO	0
762	P50D4	MONTAGE LN	11/27/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
764	P50C4	BANYAN ST	11/27/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
787	P50C4	BANYAN ST	11/27/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
661	P57C1	TORREY PINES RD	11/27/12		0	0	0	0	0	0	ok	JJA	SM		0
662	P57C1	TORREY PINES RD			0	0	0	0	0	0		JJA	SM		0
659	P57C1	CAMBRIDGE ST			0	0	0	0	0	0		JJA	SM		0
660	P57C1	CAMBRIDGE ST	11/27/12		0	0	0	0	0	0	ok	JJA	SM		0
664	P57C1	TORREY PINES RD	11/27/12		0	0	0	0	0	0	ok	JJA	SM		0
663	P57C1	TORREY PINES RD	11/27/12		0	0	0	0	0	0	dirty	JJA	SM		0
766	P57D1	TORREY PINES RD	11/27/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
767	P57D1	TORREY PINES RD	11/27/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
776	P57D1	TENNYSON RD	11/27/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
777	P57D1	TENNYSON RD	11/27/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
744	P50D4	TORREY PINES RD	07/27/11		0	0	0	0	0	0	ok	JJA	SM	NO	0
743	P50D4	TORREY PINES RD	07/27/11		0	0	0	0	0	0	ok	JJA	SM	NO	0
1019	P50D4	TORREY PINES RD	11/27/12		0	0	0	0	0	0	bolts stripped "attempter	JJA	SM	NO	0
781	P51B4	TAMARISK ST	11/27/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
782	P51B4	TAMARISK ST	11/27/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
785	P51B4	EVERGREEN AVE	11/27/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
783	P51A4	CLEMENTS WY	11/27/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
784	P51A4	CLEMENTS WY	11/27/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
774	P51A4	GROVE WY	11/27/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
775	P58A1	WESTON HILLS DR	11/27/12		0	0	0	0	0	0	ok, replaced stencil	JJA	SM		0
772	P58A1	CONIFER WY	11/27/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
771	P58A1	CONIFER WY	11/27/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
773	P58A1	ORANGE BLOSSOM LN	11/27/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
870	P52A2	MURRIETA HOT SPRINGS RD	12/04/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
643	P52A2	MURRIETA HOT SPRINGS RD	12/04/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
642	P52A3	DATE ST	12/04/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
613	P56B3	JEFFERSON AVE	11/26/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
609	P56B3	JEFFERSON AVE	11/26/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
610	P56C3	JEFFERSON AVE	11/26/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0



83	P61D1	JEFFERSON AVE	11/26/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
62	P61D1	CORNING PL	11/26/12	12/14/10	50	90	0	0	3	10	dirty	JJA	SM	NO	0
63	P61D1	CORNING PL	11/26/12	12/14/10	75	90	0	0	1	10	dirty	JJA	SM	NO	0
778	P57D2	TENNYSON RD	11/27/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
779	P57D2	PADDINGTON CT	11/27/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
780	P57D2	PADDINGTON CT	11/27/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
770	P58A1	DATE ST	07/27/11		0	0	0	0	0	0	replaced stencil,ok	JJA	SM	NO	0
769	P58A1	DATE ST	07/27/11		0	0	0	0	0	0	replaced stencil,ok	JJA	SM	NO	0
64	P61C2	CORNING PL	11/26/12	12/15/10	100	60	0	0	1	40	dirty	JJA	SM	YES	1
65	P61C2	CORNING PL	11/26/12	12/14/10	200	60	0	0	5	40	dirty	JJA	SM	YES	1
66	P61C2	CORNING PL	11/26/12	12/14/10	300	70	0	0	5	30	dirty	JJA	SM	YES	1
67	P61C2	CORNING PL	11/26/12	12/13/10	250	90	0	0	25	10	dirty	JJA	SM	YES	1
68	P61C3	EASTMAN DR	11/26/12	10/11/11	250	98	0	0	10	2	dirty	JJA	SM	YES	1.5
69	P61C3	EASTMAN DR	11/26/12	10/11/11	250	95	0	0	15	5	dirty	JJA	SM	YES	2
519	P61D4	REAGAN WY	11/26/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
520	P62A4	CHERRY ST	11/26/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
811	P38C1	WILDWOOD LN	11/20/12		0	0	0	0	0	0	dirty, needs stencil	JJA	SM	NO	0
812	P38C1	WILDWOOD LN	11/20/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
308	P21C1	LINCOLN AVE	11/13/12	05/11/11	145	95	1	5	0	0	ok	JJA	SM	NO	1.5
307	P21C1	CLYBOURNE CIR	11/13/12	05/11/11	100	100	0	0	0	0	dirty	JJA	SM	NO	1
306	P21C1	LINCOLN AVE	11/13/12		0	0	0	0	0	0	dirty	JJA	SM		0
391	P42B4	DAPHNE DR	11/28/12		0	0	0	0	0	0	dirty-added new stencil	JJA	SM	NO	0
392	P42B4	DAPHNE DR	11/28/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
P	P32D3	MURRIETA GATEWAY SOUTH			0	0	0	0	0	0		JJA	SM		0
P	P32D3	MURRIETA GATEWAY SOUTH			0	0	0	0	0	0		JJA	SM		0
P	P32D2	MURRIETA GATEWAY NORTH			0	0	0	0	0	0		JJA	SM		0
P	P32D2	MURRIETA GATEWAY NORTH			0	0	0	0	0	0		JJA	SM		0
P	P32D2	MURRIETA GATEWAY NORTH			0	0	0	0	0	0		JJA	SM		0
612	P56C3	JEFFERSON AVE	11/26/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
611	P56C3	JEFFERSON AVE	11/26/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
1378	P39D4	KALMIA, OFF TOWN SQUARE	11/26/12		0	0	0	0	0	0	dirty	JJA	SM		0
892	P29C3	WASHINGTON AVE	09/20/11	10/23/12	200	85	25	15	0	0	clean	JJA	SM	YES	1.5
84	P48D2	MURRIETA HOT SPRINGS RD	12/04/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
1203	P61C1	ELM ST	11/26/12	12/15/10	200	80	1	10	1	10	dirty	UNK	SM		1
1015	P61C2	ELM ST	11/26/12	12/14/10	150	90	0	0	0	10	dirty	JJA	SM	YES	1
1014	P61C1	ELM ST	11/26/12	12/14/10	75	70	0	0	1	30	dirty	JJA	SM	YES	1
977	P61C2	ADAMS AVE	11/26/12	01/10/12	25	60	0	0	15	40	dirty	JJA	SM	YES	1
878	P29A1	SCOOTER WY	11/20/12	04/20/11	99	99	1	1	0	0	ok	JJA	SM	YES	1
879	P29A1	KIMBERLY WY	11/20/12		0	0	0	0	0	0	ok	JJA	SM	YES	0
880	P29A1	KIMBERLY WY	11/20/12	04/20/11	100	100	0	0	0	0	ok	JJA	SM	YES	1
881	P29B2	TAYLOR ST	11/20/12	04/20/11	100	100	0	0	0	0	dirty	JJA	SM	YES	1
882	P29B2	TAYLOR ST	11/20/12	04/20/11	150	99	1	1	0	0	ok	JJA	SM	YES	1

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884	P29B2	SYCAMORE CREEK AVE	11/20/12	11/05/12	75	100	0	0	0	0	ok	JJA	SM	YES	0.75
883	P29B2	SYCAMORE CREEK AVE	11/20/12	11/05/12	100	97	2	1	23	2	ok	JJA	SM	YES	1
885	P29B2	SYCAMORE CREEK AVE	11/20/12	11/05/12	100	99	1	1	0	0	ok	JJA	SM	YES	1
886	P29B2	SYCAMORE CREEK AVE	11/20/12	11/05/12	80	99	0	0	1	1	ok	JJA	SM	YES	1
895	P29C3	CALLE DEL OSO ORO	11/20/12	02/12/13	175	80	5	20	0	0	full of water, clean filter	JJA	SM	YES	3
551	P29C3	CALLE DEL OSO ORO	11/20/12	02/13/13	125	95	0	0	5	5	clean	JJA	SM	YES	1
893	P29B4	CALLE DEL OSO ORO	11/20/12	02/13/13	200	90	0	0	5	10	clean	JJA	SM	YES	1.5
1130	P21D1	TATIA CIR	11/13/12		0	0	0	0	0	0	ok	JJA	SM	YES	0
1127	P21D1	NUTMEG ST	12/06/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
1129	P21D1	JENNINGS DR	11/13/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
1128	P21D1	CRYSTAL AIRE CT	11/13/12	06/01/11	200	100	0	0	0	0	dirty, replaced rain/drain	JJA	SM	YES	1.5
1186	P11C4	UNDERWOOD CIR	11/13/12	06/01/11	275	98	1	2	0	0	dirty	JJA	SM	YES	2
1188	P11C4	UNDERWOOD CIR	11/13/12	06/01/11	100	99	1	1	0	0	dirty	JJA	SM	YES	1
1187	P11C4	UNDERWOOD CIR	11/13/12	06/01/11	300	97	1	3	0	0	ok	JJA	SM	YES	2
1113	P11C4	SARATOGA SPRINGS PL	11/13/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
PM	P11C4	OPEN SPACE OFF SARATOGA SPR PL			0	0	0	0	0	0		JJA	SM		0
1111	P11B4	SARATOGA SPRINGS PL	11/13/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
1112	P11B4	SARATOGA SPRINGS PL	11/13/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
1118	P21B1	BRIGIN PL	11/13/12	08/30/12	200	80	44	10	25	10	ok	JJA	SM	YES	2
1106	P21C2	SARATOGA SPRINGS PL	11/13/12	01/31/13	175	85	0	0	25	15		JJA	SM	YES	1.5
1105	P21C2	SARATOGA SPRINGS PL	11/13/12	01/31/13	300	80	0	0	75	20		JJA	SM	YES	2
1117	P21C1	CALIENTE SPRINGS AVE	11/13/12	09/04/12	10	60	2	10	5	35	dirty	JJA	SM	YES	1
1116	P21C1	CALIENTE SPRINGS AVE	11/13/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
PM	P21C1	OS OFF CALIENTE SPRINGS			0	0	0	0	0	0		JJA	SM		0
1115	P21C2	CARNEROS CT	11/13/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
1107	P21C2	SARATOGA SPRINGS PL	11/13/12	02/13/13	100	50	0	0	100	50	clean	JJA	SM	YES	1.5
1108	P21C2	SARATOGA SPRINGS PL	11/13/12	02/13/13	150	50	0	0	5	50	clean	JJA	SM	YES	1.5
1110	P21C1	SARATOGA SPRINGS PL	11/13/12	02/14/13	200	50	0	0	50	50	clean	JJA	SM	YES	2
1109	P21C1	SARATOGA SPRINGS PL	11/13/12	02/14/13	250	60	0	0	10	40	clean	JJA	SM	YES	2
967	P21B1	JACKSON AVE	11/13/12	12/12/12	275	90	10	10	0	0	clean	JJA	SM	YES	2
1281	P21A3	ENGLEMANN OAK ST	11/13/12	12/11/12	175	90	10	10	0	0	clean	JJA	SM	YES	1.5
1282	P21A3	ENGLEMANN OAK ST	11/13/12	12/11/12	165	95	5	5	0	0	clean	JJA	SM	YES	1.5
921	P21A3	ROBARDS WY	11/13/12	12/10/12	150	90	10	10	0	0	clean	JJA	SM	YES	1.5
786	P57B1	SUGARBERRY LN	11/27/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
580	P28B3	WHITE OAK LN	11/20/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
572	P28B3	WHITE OAK LN	11/20/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
1039	P29A3	CLOVERLEAF WY	11/20/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
568	P38A2	MAPLE CT	11/20/12		0	0	0	0	0	0	clean	JJA	SM	NO	0.25
569	P38A2	PINE CREEK PL	11/20/12	03/15/11	50	100	0	0	0	0	ok	JJA	SM	NO	0.5
975	P38A1	RIDGEVIEW LN	11/20/12		0	0	0	0	0	0	ok	JJA	SM	NO	0.25
974	P38A1	PINE CREEK PL	11/20/12		0	0	0	0	0	0	ok	JJA	SM	NO	0.25
699	P38D2	NIGHTHAWK WY	11/20/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0



700	P38D2	NIGHTHAWK WY	11/20/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
703	P29D2	NUTMEG ST	12/06/12		0	0	0	0	0	0	ok	JJA	SM	YES	0
898	P29D2	NICOLETTE WY	11/19/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
897	P29D2	NICOLETTE WY	11/19/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
899	P29D2	GRAND VIEW DR	11/19/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
900	P29D2	GRAND VIEW DR	11/19/12		0	0	0	0	0	0	ok	UNK	SM	NO	0
901	P29D2	GRAND VIEW DR	11/19/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
902	P29D2	ADAMS AVE	11/19/12	01/10/12	100	100	0	0	0	0	ok	JJA	SM	NO	1
1054	P30A1	JEFFERSON AVE	11/19/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
1055	P30A1	JEFFERSON AVE	11/19/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
1040	P30A1	ROGER WY	11/19/12	05/16/11	100	100	0	0	0	0	dirty	JJA	SM	NO	1.5
903	P30A1	GRAND VIEW DR	11/19/12	05/16/11	100	100	0	0	0	0	ok, new rain/drain dot	JJA	SM	NO	1
	P57B2	SUGARBERRY LN			0	0	0	0	0	0		UNK	SM		0
808	P29C4	WILDWOOD LN	11/20/12	07/13/11	85	85	5	5	10	10	dirty	JJA	SM	NO	1
891	P29D4	WASHINGTON AVE	11/26/12		0	0	0	0	0	0	ok	JJA	SM	YES	0
890	P29D4	WASHINGTON AVE	11/26/12	10/22/12	100	90	5	10	0	0	ok	JJA	SM	YES	1
976	P29C2	MOUNTAIN SONG LP	11/19/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
107	P31B4	CALIFORNIA OAKS RD	12/04/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
90	P48C1	MADISON AVE	11/26/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
	P48C1	MADISON AVE			0	0	0	0	0	0		UNK	SM		0
P	P40B2	CAL OAKS PLAZA			0	0	0	0	0	0		JJA	SM		0
P	P40B2	CAL OAKS PLAZA			0	0	0	0	0	0		JJA	SM		0
P	P40B2	CAL OAKS PLAZA			0	0	0	0	0	0		JJA	SM		0
P	P40B2	CAL OAKS PLAZA			0	0	0	0	0	0		JJA	SM		0
P	P40B2	CAL OAKS PLAZA			0	0	0	0	0	0		JJA	SM		0
89	P48D2	MADISON AVE	11/26/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
P	P32D3	MURRIETA GATEWAY SOUTH			0	0	0	0	0	0		JJA	SM		0
P	P32D3	MURRIETA GATEWAY SOUTH			0	0	0	0	0	0		JJA	SM		0
P	P31C2	CAL OAKS PAVILION			0	0	0	0	0	0		JJA	SM		0
P	P31C2	CAL OAKS PAVILION			0	0	0	0	0	0		JJA	SM		0
P	P31C2	CAL OAKS PAVILION			0	0	0	0	0	0		JJA	SM		0
P	P31C2	CAL OAKS PAVILION			0	0	0	0	0	0		JJA	SM		0
P	P31C2	CAL OAKS PAVILION			0	0	0	0	0	0		JJA	SM		0
P	P31C2	CAL OAKS PAVILION			0	0	0	0	0	0		JJA	SM		0
P	P27D3	SKY HIGH DR			0	0	0	0	0	0		JJA	SM		0
P	P27D3	SKY HIGH DR			0	0	0	0	0	0		JJA	SM		0
P	P27D3	SKY HIGH DR			0	0	0	0	0	0		JJA	SM		0
P	P27D3	SKY HIGH DR			0	0	0	0	0	0		JJA	SM		0
P	P27D4	SKY HIGH DR			0	0	0	0	0	0		JJA	SM		0
P	P27D4	SKY HIGH DR			0	0	0	0	0	0		JJA	SM		0
379	P50B1	NOTTING HILL DR	11/28/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
P	P27D3	LAKE OFF MUIRFIELD			0	0	0	0	0	0		JJA	SM		0

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P	P27D3	MUIRFIELD DR			0	0	0	0	0	0	JJA	SM		0
P	P27D3	MUIRFIELD DR			0	0	0	0	0	0	JJA	SM		0
969	P21B1	TAFT CT	11/13/12		0	0	0	0	0	0 ok	JJA	SM	NO	0
970	P21B1	TAFT CT	08/30/11	12/12/12	50	98	2	2	0	0 clean	JJA	SM	NO	0.75
931	P20D3	MADISON AVE	11/13/12		0	0	0	0	0	0 dirty	JJA	SM	NO	0
932	P20D3	MADISON AVE	11/13/12		0	0	0	0	0	0 dirty	JJA	SM	NO	0
919	P21B3	ENGLEMANN OAK ST	11/13/12	12/10/12	155	90	10	10	0	0 clean	JJA	SM	YES	1.5
918	P21B3	ENGLEMANN OAK ST	11/13/12		0	0	0	0	0	0 dirty	JJA	SM	YES	0
917	P21B3	ENGLEMANN OAK ST	11/13/12	12/10/12	250	95	15	5	0	0 clean	JJA	SM	YES	2
916	P21B3	ENGLEMANN OAK ST	11/13/12	12/10/12	145	90	10	10	0	0 clean	JJA	SM	YES	1.5
915	P21B3	MORNING GLORY DR	11/13/12		0	0	0	0	0	0 dirty	JJA	SM	YES	0
914	P21B3	MORNING GLORY DR	11/13/12		0	0	0	0	0	0 dirty	JJA	SM	YES	0
913	P21B3	MORNING GLORY DR	11/13/12		0	0	0	0	0	0 dirty	JJA	SM	YES	0
912	P21B3	MORNING GLORY DR	11/13/12		0	0	0	0	0	0 dirty	JJA	SM	YES	0
911	P21B3	MORNING GLORY DR	11/13/12		0	0	0	0	0	0 dirty	JJA	SM	YES	0
51	P39A1	WASHINGTON AVE	11/26/12	10/25/12	125	100	0	0	0	0 ok	JJA	SM	YES	1
P	P28A1	BEAR CANYON DR			0	0	0	0	0	0	JJA	SM		0
P	P28A1	BEAR CANYON DR			0	0	0	0	0	0	JJA	SM		0
P	P28A1	BEAR CREEK DR			0	0	0	0	0	0	JJA	SM		0
P	P28A1	DEER RUN CT			0	0	0	0	0	0	JJA	SM		0
P	P27D2	SHOAL CREEK DR			0	0	0	0	0	0	JJA	SM		0
P	P27D2	SHOAL CREEK DR			0	0	0	0	0	0	JJA	SM		0
P	P19A1	BEAR CREEK DR			0	0	0	0	0	0	JJA	SM		0
P	P19A1	BEAR CREEK DR			0	0	0	0	0	0	JJA	SM		0
494	P32B4	COLISEUM WY	11/19/12		0	0	0	0	0	0 dirty	JJA	SM	NO	0
P	P19B3	BANBURY CT			0	0	0	0	0	0	JJA	SM		0
P	P19B3	BANBURY CT			0	0	0	0	0	0	JJA	SM		0
P	P19B3	BANBURY CT			0	0	0	0	0	0	JJA	SM		0
P	P19B3	BANBURY CT			0	0	0	0	0	0	JJA	SM		0
413	P41D1	AVENIDA MIGUEL OESTE	11/28/12	08/22/12	100	90	10	10	0	0 ok	JJA	SM	NO	1
415	P41D1	AVENIDA MIGUEL OESTE	11/28/12	08/22/12	50	100	0	0	0	0 dirty	JJA	SM	NO	1
414	P41D1	AVENIDA MIGUEL OESTE	11/28/12		0	0	0	0	0	0 dirty	JJA	SM	NO	0
269	P31D3	VIA SILVA	11/19/12		0	0	0	0	0	0 dirty	JJA	SM	NO	0
288	P40D2	SYMERON WY	11/19/12		0	0	0	0	0	0 dirty	JJA	SM	NO	0
287	P40D2	SHOSHONEE DR	11/19/12		0	0	0	0	0	0 dirty, new rain/drain dot	JJA	SM	YES	0
290	P41A2	SYMERON WY	11/19/12		0	0	0	0	0	0 dirty	JJA	SM	NO	0
289	P41A2	SYMERON WY	11/19/12		0	0	0	0	0	0 dirty	JJA	SM	NO	0
DELET	P47A1	WHITAKER WY			0	0	0	0	0	0	UNK	SM		0
1323	P39C1	JEFFERSON AVE	11/26/12		0	0	0	0	0	0 dirty	JJA	SM	YES	0
1200	P23D1	MANGROVE ST	11/28/12	08/31/11	225	75	5	5	95	30 dirty, replaced stencil	JJA	SM	YES	1.5
1199	P23D1	MANGROVE ST	11/28/12		0	0	0	0	0	0 dirty	JJA	SM	YES	0
1227	P24A1	LYNWOOD AVE	11/28/12	05/10/11	150	100	0	0	0	0 dirty	JJA	SM	YES	1.5



1228	P23A2	RANCH HOUSE ST	11/28/12	05/10/11	1	98	1	2	0	0	dirty	JJA	SM	YES	1.5
1229	P23A2	RANCH HOUSE ST	11/28/12	05/10/11	300	95	2	5	0	0	dirty	JJA	SM	YES	2.5
1226	P24A1	LYNWOOD AVE	11/28/12	05/10/11	200	99	1	1	0	0	dirty	JJA	SM	YES	2
174	P12A2	SPINNING WHEEL DR	11/13/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
442	P12A2	WOODEN HORSE TR	11/13/12	05/19/11	100	100	0	0	0	0	ok	JJA	SM	NO	1
444	P12A2	WOODEN HORSE TR	11/13/12	05/18/11	100	100	0	0	0	0	ok	JJA	SM	NO	1
443	P12A2	WOODEN HORSE TR	11/13/12	05/18/11	100	100	0	0	0	0	ok	JJA	SM	NO	1
92	P40C4	MADISON AVE	11/26/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
93	P40C4	MADISON AVE	11/26/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
1331	P32A4	BERLIE ST	11/19/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
1322	P39D2	JEFFERSON AVE	11/26/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
1059	P50A1	JACKSON AVE	11/27/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
1018	P49D2	JACKSON AVE	11/27/12	10/26/11	400	75	10	15	5	10	dirty	JJA	SM	YES	3.5
	P54C2	CALLE ORTEGA			0	0	0	0	0	0		UNK	SM		0
	P54C2	CALLE ORTEGA			0	0	0	0	0	0		UNK	SM		0
46	P39D1	VILLAGE WALK PL	11/26/12	10/30/12	100	50	20	10	50	40	ok	JJA	SM	YES	1
1326	P39D1	VILLAGE WALK PL	08/30/11		50	70	20	20	25	10		JJA	SM	YES	1
1325	P40A2	VILLAGE WALK PL	11/26/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
1324	P40A2	VILLAGE WALK PL	11/26/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
1307	P26B4	TALITHA WY	12/03/12	01/15/13	0	0	0	0	10	100	clean	JJA	SM	YES	0.5
1309	P26B4	TALITHA WY	12/03/12	01/15/13	35	60	0	0	5	40	clean	JJA	SM	NO	0.75
1082	P34D1	VIA MIRA MOSA	12/03/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
1081	P34D1	VIA MIRA MOSA	12/03/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
1085	P34D1	HUBBLE WY	12/03/12		0	0	0	0	0	0	dirty	JJA	SM		0
1083	P34D1	ANDROMEDA ST	12/03/12	01/12/12	175	75	5	5	40	20	dirty	JJA	SM	YES	1.5
1084	P34D1	ANDROMEDA ST	12/03/12	01/25/12	100	50	5	0	100	50	dirty	JJA	SM		1.5
1297	P35A1	LA ALBA DR	12/03/12	01/17/13	200	85	0	0	20	15		JJA	SM	YES	2
1298	P35A1	LA ALBA DR	12/03/12	01/17/13	175	85	0	0	2	15		JJA	SM	YES	4
1091	P35A2	ANDROMEDA ST	12/03/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
1092	P35B2	GALILEO LN	12/03/12	10/26/11	250	90	1	2	5	8	dirty	JJA	SM	YES	1.5
1093	P35B1	GALILEO LN	12/03/12	10/26/11	200	95	1	2	5	3	dirty	JJA	SM	YES	1.5
979	P35B2	LA ALBA DR	12/03/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
1304	P26A3	SKI RANCH ST	12/03/12	10/25/11	325	90	2	3	5	7	dirty	JJA	SM	YES	2
1305	P26A3	SKI RANCH ST	12/03/12	10/25/11	200	85	3	5	15	10	dirty	JJA	SM	YES	1.5
1303	P26A3	SKI RANCH ST	12/03/12	10/24/11	300	99	3	1	0	0	dirty	JJA	SM	YES	2
	P35B1	WINCHESTER RD			0	0	0	0	0	0		UNK	SM		0
	P35B1	WINCHESTER RD			0	0	0	0	0	0		UNK	SM		0
1090	P35B2	ADARA LN	12/03/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
1086	P35B2	LA ALBA DR	12/03/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
1089	P35A2	LA ALBA DR	07/25/11	01/16/13	300	90	0	0	5	10	clean	JJA	SM	YES	2.5
NM	P51C3	HAMILTON CT			0	0	0	0	0	0		JJA	SM		0
NM	P51C3	HAMILTON CT			0	0	0	0	0	0		JJA	SM		0

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1420	P44A1	MASTERS DR	12/03/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1294	P44A2	MICKELSON WY	12/03/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1293	P44A2	MICKELSON WY	12/03/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1296	P44A1	COUPLES AVE	12/03/12	01/31/13	0	0	0	0	50	100		bolts stripped	JJA	SM	NO	0.75
1295	P44A1	COUPLES AVE	07/26/11	01/31/13	100	100	0	0	0	0			JJA	SM	NO	1
1064	P43C2	SAND TRAP CT	12/03/12		0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
1062	P43C2	MEMBERS CLUB DR	12/03/12		0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
1063	P43C2	MEMBERS CLUB DR	12/03/12		0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
1068	P43C2	MASTERS DR	12/03/12		0	0	0	0	0	0	0	ok	JJA	SM	NO	0
1069	P43C2	MASTERS DR	12/03/12		0	0	0	0	0	0	0	ok	JJA	SM	NO	0
1067	P43C2	MASTERS DR	12/03/12		0	0	0	0	0	0	0	ok	JJA	SM	NO	0
1066	P43C2	MASTERS DR	12/03/12		0	0	0	0	0	0	0	ok	JJA	SM	NO	0
1065	P43C2	MASTERS DR	12/03/12		0	0	0	0	0	0	0	ok	JJA	SM	NO	0
1299	P34D1	BIG DIPPER WY	12/03/12	01/17/13	50	40	20	30	0	0	0	ok	JJA	SM	NO	1
421	P41D1	AVENIDA ACACIAS	11/28/12	02/15/12	450	95	1	2	5	3	0	ok	JJA	SM	YES	2.5
1306	P26A3	MAXMILLIAN AVE	12/03/12	10/25/11	400	90	1	2	5	8	0	dirty	JJA	SM	YES	3
1300	P26B4	VIA MIRA MOSA	07/25/11	10/24/11	30	100	0	0	0	0	0	ok	JJA	SM	NO	0.5
1308	P26B4	LUMID LN	12/03/12	01/15/13	0	0	0	0	5	100		clean	JJA	SM	NO	0.5
1301	P26B4	VIA MIRA MOSA	07/25/11	01/17/13	50	100	0	0	0	0	0	ok	JJA	SM	NO	0.5
1302	P26B4	VIA MIRA MOSA	07/25/11	01/17/13	45	99	1	1	0	0	0	ok	JJA	SM	NO	0.75
1310	P26B4	CORDELLA LN	12/03/12	01/15/13	50	60	0	0	3	40		clean	JJA	SM	NO	0.75
1311	P26B4	ASCELLA LN	12/03/12	01/15/13	50	100	0	0	0	0	0	clean	JJA	SM	NO	0.75
1088	P35B2	LA ALBA DR	12/03/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1087	P35B2	LA ALBA DR	12/03/12	01/15/13	350	70	0	0	5	30		clean	JJA	SM	YES	2.5
627	P35B2	HAZEL GLEN RD	12/03/12		0	0	0	0	0	0	0	ok	JJA	SM	NO	0
1291	P51D1	BRANWIN CT	12/03/12	08/30/12	45	70	10	10	20	10		dirty	JJA	SM	YES	1
1292	P51D1	BRANWIN CT	12/03/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1197	P51D1	ROYAL BURGH DR	12/03/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1198	P51D1	ROYAL BURGH DR	12/03/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1078	P43D4	ROYAL BURGH DR	12/03/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1077	P43D4	ROYAL BURGH DR	12/03/12		0	0	0	0	0	0	0	ok	JJA	SM	NO	0
1074	P43D4	ROYAL BURGH DR	12/03/12		0	0	0	0	0	0	0	ok	JJA	SM	NO	0
1075	P43D4	ROYAL BURGH DR	12/03/12		0	0	0	0	0	0	0	ok	JJA	SM	NO	0
1076	P43D4	ROYAL BURGH DR	12/03/12		0	0	0	0	0	0	0	ok	JJA	SM	NO	0
1079	P43D4	ROYAL BURGH DR	12/03/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1070	P43D4	FALKIRK DR	12/03/12		0	0	0	0	0	0	0	ok	JJA	SM	NO	0
1071	P43D4	FALKIRK DR	12/03/12		0	0	0	0	0	0	0	ok	JJA	SM	NO	0
1073	P43D4	FALKIRK DR	12/03/12		0	0	0	0	0	0	0	ok	JJA	SM	NO	0
1072	P43D4	FALKIRK DR	12/03/12		0	0	0	0	0	0	0	ok	JJA	SM	NO	0
1224	P51D3	BONAIRE WY	11/27/12	08/29/12	50	100	0	0	0	0	0	ok	JJA	SM	NO	1
673	P51D3	BONAIRE WY	11/27/12	08/29/12	35	80	15	20	0	0	0	ok	JJA	SM	NO	1

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1288	P51D3	RISING HILL DR		11/27/12		0	0	0	0	0	0	0	0	0	ok, bolts stripped "attem	JJA	SM	NO	0
1243	P51D3	BAHAMA WY		11/27/12		0	0	0	0	0	0	0	0	0	dirty, fixed guard bar	JJA	SM	YES	0
847	P3C1	AZALEA LN		12/03/12	06/11/12	95	98	0	0	1	2	2	0	0	dirty	JAS	SJV	YES	1
848	P3C1	CYCLAMEN LN		12/03/12	10/03/11	175	90	1	1	2	9	9	0	0	dirty	JAS	SJV	YES	1.5
1231	P3C1	DELPHINIUM LN		12/03/12	06/11/12	150	80	0	0	2	20	20	0	0	dirty	JJA	SJV	YES	1
973	P3D1	EUGENIA LN		12/03/12	06/11/12	150	95	0	0	2	5	5	0	0	dirty	JJA	SJV	YES	1.5
1230	P3D1	HONEYSUCKLE LN		12/03/12	06/11/12	100	80	0	0	5	10	10	0	0	dirty	JJA	SJV	YES	1
841	P3C2	MAPLETON AVE/MAPLETON ST		12/03/12	10/12/11	10	100	0	0	0	0	0	0	0	ok	JJA	SJV	NO	0.5
822	P3C2	MAPLETON ST		12/03/12	10/03/11	50	99	1	1	0	0	0	0	0	ok	JJA	SJV	NO	0.75
825	P3D1	IRIS LN		12/03/12	06/11/12	85	50	0	0	5	50	50	0	0	dirty	JJA	SJV	NO	1
826	P4A1	MARIGOLD LN		12/03/12	06/12/12	100	95	0	0	1	5	5	0	0	dirty, filter basket broke broken	JJA	SJV	YES	1
827	P4A1	NANDINA LN		08/25/11	06/12/12	120	90	0	0	1	10	10	0	0		JJA	SJV	YES	1
828	P4A1	POPPY LN		12/03/12	06/12/12	100	99	1	1	0	0	0	0	0	dirty, water is not drainin	JJA	SJV	YES	1
823	P3D2	MAPLETON ST		12/03/12	01/25/11	0	0	0	0	0	0	0	0	0	ok	JJA	SJV	NO	0.25
824	P3D2	MAPLETON ST	12/03/12	12/03/12	01/25/11	0	0	0	0	0	0	0	0	0	ok	JJA	SJV	NO	0.25
836	P4A2	MAPLETON ST		12/03/12		0	0	0	0	0	0	0	0	0	ok	JJA	SJV	NO	0
829	P4A2	MAPLETON ST		12/03/12		0	0	0	0	0	0	0	0	0	ok	JJA	SJV	NO	0
830	P4A1	SHAMROCK LN		12/03/12	06/12/12	80	99	1	1	0	0	0	0	0	dirty, filter basket broker	JJA	SJV	NO	1
831	P4B1	THYME LN		12/03/12	06/12/12	125	90	1	5	1	5	5	0	0	dirty	JJA	SJV	YES	1
832	P4B1	ZINNIA LN		12/03/12	06/12/12	130	99	1	1	0	0	0	0	0	dirty	JJA	SM	YES	1.25
843	P3D2	AMARYLISS WY		12/04/12	06/13/12	120	97	1	1	1	2	2	0	0	dirty	JJA	SJV	YES	1
844	P3D2	AGAVE WY		12/04/12	06/13/12	75	95	1	1	2	4	4	0	0	dirty	JJA	SJV	YES	1
846	P4A3	SALVIA LN		12/04/12	01/25/11	45	45	20	20	35	35	35	0	0	dirty	JJA	SM	YES	2
835	P4A2	POINSETTIA ST		12/04/12	01/24/11	0	0	0	0	0	0	0	0	0	dirty	JJA	SM	NO	0.25
834	P4A2	MENIFEE RD		12/04/12	01/25/11	0	0	0	0	0	0	0	0	0	dirty	JJA	SM	NO	0.25
840	P3D3	POINSETTIA ST/DAFFODIL WY		12/04/12	06/13/12	30	99	1	1	0	0	0	0	0	ok	JJA	SJV	NO	0.75
839	P3D3	POINSETTIA ST/DAFFODIL WY		12/04/12	10/03/11	75	98	1	2	0	0	0	0	0	ok	JJA	SJV	NO	45
821	P3D4	KELLER RD/GLADIOLUS AVE		12/03/12	01/24/11	0	0	0	0	0	0	0	0	0	ok	JJA	SJV	NO	0.25
1259	P3C4	KELLER RD/PAMPLONA AVE		12/03/12	10/11/11	50	100	0	0	0	0	0	0	0	ok	JJA	SJV	NO	0.75
1246	P3D4	MEADOWLARK LN		12/03/12	10/12/11	0	0	1	1	10	99	99	0	0	ok	JJA	SM	NO	0.5
1258	P3C4	KELLER RD/PAMPLONA AVE		08/25/11	10/11/11	75	90	1	3	5	7	7	0	0		JJA	SJV	YES	1
PM	P4B1	MENIFEE RD BASIN				0	0	0	0	0	0	0	0	0		JJA	SM		0
1244	P4B1	MENIFEE RD		12/04/12	09/20/11	100	95	1	5	0	0	0	0	0	ok	JJA	SM	NO	1
833	P4B1	MENIFEE RD		12/04/12	07/03/12	24	99	1	1	0	0	0	0	0	ok	JJA	SM	NO	0.5
837	P3D3	POINSETTIA ST/NASTURTIIUM LN		12/04/12	10/03/11	100	98	1	2	0	0	0	0	0	ok	JJA	SJV	NO	1
838	P3D3	POINSETTIA ST/NASTURTIIUM LN		12/04/12		0	0	0	0	0	0	0	0	0	dirty	JJA	SJV	NO	0
845	P3D3	BASSWOOD WY		12/04/12	06/13/12	85	90	0	0	3	10	10	0	0	dirty	JJA	SJV	YES	1
1254	P3D4	SEVILLA ST/PAMPLONA AVE		12/03/12	10/18/11	60	98	1	2	0	0	0	0	0	dirty	JJA	SJV	YES	0.75
1255	P3D4	SEVILLA ST/PAMPLONA AVE		12/03/12	10/19/11	60	99	1	1	0	0	0	0	0	dirty	JJA	SJV	YES	0.75
1253	P3D4	PAMPLONA AVE		12/03/12	10/18/11	75	80	3	15	1	5	5	0	0	dirty	JJA	SM	YES	1
1251	P3D4	PAMPLONA AVE		12/03/12	01/13/11	75	75	15	15	10	10	10	0	0	dirty	JJA	SM	YES	1

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1252	P3D4	PAMPLONA AVE	12/03/12	10/18/11	200	95	1	5	0	0	dirty	JJA	SM	YES	1.5
1257	P3D4	SEVILLA ST/ALBACETE AVE	12/03/12	10/19/11	80	98	1	2	0	0	dirty	JJA	SJV	YES	1
1256	P3D4	SEVILLA ST	12/03/12	10/19/11	80	99	1	1	0	0	dirty	JJA	SJV	YES	1
1249	P5D1	CARLISLE ST	12/03/12	10/18/11	100	90	1	10	0	0	dirty	JJA	SM	YES	1
1250	P5D1	CARLISLE ST	12/03/12	10/18/11	150	90	1	10	0	0	dirty	JJA	SM	YES	1.25
1247	P5D1	MEADOWLARK LN	12/03/12	10/12/11	100	0	0	0	0	0	dirty	JJA	SM	YES	1
1248	P5D1	SAN SEBASTIAN AVE	12/03/12	01/12/11	150	60	10	10	40	30	dirty	JJA	SM	YES	2
PM	P3D4	SEVILLA BASIN			0	0	0	0	0	0		JJA	SJV		0
NM	P5D1	CARLISLE BASIN			0	0	0	0	0	0		JJA	SM		0
P	P3B1	SONOMA APTS			0	0	0	0	0	0		JJA	SJV		0
P	P3C1	SONOMA APTS			0	0	0	0	0	0		JJA	SJV		0
P	P3C1	SONOMA APTS			0	0	0	0	0	0		JJA	SJV		0
P	P3C2	WILLOW HAVEN LN			0	0	0	0	0	0		JJA	SJV		0
P	P3C1	WILLOW HAVEN LN			0	0	0	0	0	0		JJA	SJV		0
P	P3C1	WILLOW HAVEN LN			0	0	0	0	0	0		JJA	SJV		0
P	P3C1	WILLOW HAVEN LN			0	0	0	0	0	0		JJA	SJV		0
P	P3C2	WILLOW HAVEN LN			0	0	0	0	0	0		JJA	SJV		0
P	P3C2	WILLOW HAVEN LN			0	0	0	0	0	0		JJA	SJV		0
P	P3C2	WILLOW HAVEN LN			0	0	0	0	0	0		JJA	SJV		0
P	P3C2	WILLOW HAVEN LN			0	0	0	0	0	0		JJA	SJV		0
P	P3C1	WILLOW HAVEN LN			0	0	0	0	0	0		JJA	SJV		0
1041	P4B2	CARNATION AVE	12/03/12	01/24/11	0	0	0	0	0	0	ok	UNK	SM	NO	0.25
1042	P4B2	CARNATION AVE	12/03/12	01/24/11	0	0	0	0	0	0	ok	UNK	SM	NO	0.25
996	P4A3	POINSETTIA ST	12/03/12	07/03/12	50	40	1	1	49	49	ok	JJA	SM	NO	1
994	P4A3	POINSETTIA ST	12/03/12	07/03/12	50	100	0	0	0	0	ok	JJA	SM	NO	0.5
995	P4A3	POINSETTIA ST	12/03/12	07/03/12	50	50	1	1	49	49	ok	JJA	SM	NO	1
993	P4A3	POINSETTIA ST	12/03/12	07/03/12	50	100	0	0	0	0	ok	JJA	SM	NO	0.5
1044	P4B2	AZARA ST	12/03/12	01/24/11	0	0	0	0	0	0	dirty	UNK	SM	NO	0.25
1043	P4B2	AZARA ST	12/03/12	01/24/11	0	0	0	0	0	0	dirty	UNK	SM	NO	0.25
1000	P4B3	VERBENA AVE	12/03/12	01/24/11	0	0	0	0	0	0	dirty	UNK	SM	NO	0.25
1440	P4B3	POINSETTIA ST	12/03/12	01/24/11	200	50	100	25	100	25	dirty	UNK	SM	NO	2
1439	P4C3	POINSETTIA ST	12/03/12	01/24/11	0	0	0	0	0	0	ok	UNK	SM	NO	0.25
999	P4C3	VERBENA AVE	12/03/12	01/24/11	0	0	0	0	0	0	ok	UNK	SM	NO	0.25
1245	P4A4	MENIFEE RD/KELLER RD	12/04/12	01/25/11	0	0	0	0	0	0	ok	JJA	SM	NO	0.25
1441	P4B2	POINSETTIA ST	12/03/12	01/24/11	0	0	0	0	0	0	dirty	UNK	SM	NO	0.25
1442	P4B2	POINSETTIA ST	12/03/12	01/24/11	0	0	0	0	0	0	dirty	UNK	SM	NO	0.25
1333	P4B4	KELLER RD	12/03/12	09/20/11	80	75	1	5	2	10	ok	JJA	SM	NO	0.75
1332	P4B4	KELLER RD	12/03/12	09/20/11	175	90	10	1	0	0	ok	JJA	SM	NO	1.5
											drain is clean, added				
1444	P4B2	SUMMERSWEET PL	08/25/11		0	0	0	0	0	0	drain # to tablet	UNK	SM	NO	0
1443	P4B2	SUMMERSWEET PL	12/03/12	01/24/11	0	0	0	0	0	0	ok	UNK	SM	NO	0.25
~	P4B2	SUMMERSWEET PL	12/03/12		0	0	0	0	0	0	ok	UNK	SM	NO	0

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1004	P4B2	PETUNIA ST	12/03/12	01/13/11	0	0	0	0	0	0	dirty	UNK	SM	NO	0
1003	P4B2	PETUNIA ST	12/03/12	01/13/11	0	0	0	0	0	0	dirty	UNK	SM	NO	0
1080	P34C2	VIA MIRA MOSA	12/03/12	01/22/13				0	65	100		JJA	SM	NO	0.75
P	P54A2	TRUMAN PL			0	0	0	0	0	0		JJA	SM		0
P	P54A2	TRUMAN PL			0	0	0	0	0	0		JJA	SM		0
P	P54A2	JOSHUA TREE CT			0	0	0	0	0	0		JJA	SM		0
P	P54B2	TYLER PL			0	0	0	0	0	0		JJA	SM		0
P	P54B2	TYLER PL			0	0	0	0	0	0		JJA	SM		0
P	P54B1	JOSHUA TREE CT			0	0	0	0	0	0		JJA	SM		0
P	P54B1	JOSHUA TREE CT			0	0	0	0	0	0		JJA	SM		0
P	P54B1	JOSHUA TREE CT			0	0	0	0	0	0		JJA	SM		0
P	P54B1	JOSHUA TREE CT			0	0	0	0	0	0		JJA	SM		0
1101	P54B2	IVY ST	11/26/12		0	0	0	0	0	0	ok	JJA	SM		0
1204	P2C2	ANTELOPE/SCOTT	12/04/12	01/13/11	0	0	0	0	0	0	dirty	JAS	SJV		0
P	P9C4	EMILY ST			0	0	0	0	0	0		JJA	SM		0
P	P9C4	CROSBY ST			0	0	0	0	0	0		JJA	SM		0
P	P9C4	CROSBY ST			0	0	0	0	0	0		JJA	SM		0
P	P9C4	TANA AVE			0	0	0	0	0	0		JJA	SM		0
P	P9C4	TANA AVE			0	0	0	0	0	0		JJA	SM		0
P	P9C4	ADRIENNE ST			0	0	0	0	0	0		JJA	SM		0
P	P9C4	ADRIENNE ST			0	0	0	0	0	0		JJA	SM		0
P	P9C4	KARA ST			0	0	0	0	0	0		JJA	SM		0
P	P9C4	KARA ST			0	0	0	0	0	0		JJA	SM		0
P	P9D4	KARA ST			0	0	0	0	0	0		JJA	SM		0
P	P9D4	CROSBY ST			0	0	0	0	0	0		JJA	SM		0
P	P9D4	CROSBY ST			0	0	0	0	0	0		JJA	SM		0
1260	P9D4	MEADOWLARK LN	08/22/11	01/26/11	220	75	15	5	65	20	dirty	JJA	SM	YES	2
P	P9D4	KARA ST			0	0	0	0	0	0		JJA	SM		0
P	P14D1	WARE ST			0	0	0	0	0	0		JJA	SM		0
P	P14D1	BREDA AVE			0	0	0	0	0	0		JJA	SM		0
P	P14C1	WARE ST			0	0	0	0	0	0		JJA	SM		0
P	P14C1	REVILLION AVE			0	0	0	0	0	0		JJA	SM		0
P	P14C1	REVILLION AVE			0	0	0	0	0	0		JJA	SM		0
P	P14C1	BRUNING ST			0	0	0	0	0	0		JJA	SM		0
P	P14D1	BRUNING ST			0	0	0	0	0	0		JJA	SM		0
P	P14C1	WELLSVILLE ST			0	0	0	0	0	0		JJA	SM		0
P	P14C1	CRICKHOWELL ST			0	0	0	0	0	0		JJA	SM		0
P	P14D1	GATINEAU ST			0	0	0	0	0	0		JJA	SM		0
P	P14D1	GATINEAU ST			0	0	0	0	0	0		JJA	SM		0
P	P14D1	BREDA AVE			0	0	0	0	0	0		JJA	SM		0
P	P14D1	BREDA AVE			0	0	0	0	0	0		JJA	SM		0
P	P14D2	BREDA AVE			0	0	0	0	0	0		JJA	SM		0

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P	P14D2	BREDA AVE			0	0	0	0	0	0	JJA	SM		0	
P	P14C2	CRICKHOWELL ST			0	0	0	0	0	0	JJA	SM		0	
P	P14C2	RAVENNA ST			0	0	0	0	0	0	JJA	SM		0	
P	P14C2	RAVENNA ST			0	0	0	0	0	0	JJA	SM		0	
P	P14C2	TRIESE ST			0	0	0	0	0	0	JJA	SM		0	
P	P14C2	SOCORRO ST			0	0	0	0	0	0	JJA	SM		0	
P	P14C2	SOCORRO ST			0	0	0	0	0	0	JJA	SM		0	
P	P14D2	LINDSTRAND AVE			0	0	0	0	0	0	JJA	SM		0	
P	P14D2	LINDSTRAND AVE			0	0	0	0	0	0	JJA	SM		0	
1261	P14D2	MEADOWLARK LN	12/04/12	01/26/11	125	70	15	10	35	20	dirty	JJA	SM	YES	1.5
	P14B2	CLINTON KEITH RD			0	0	0	0	0	0		UNK	SM		0
	P14B2	ANTELOPE RD			0	0	0	0	0	0		UNK	SM		0
	P14B2	ANTELOPE RD			0	0	0	0	0	0		UNK	SM		0
	P14B2	CLINTON KEITH RD			0	0	0	0	0	0		UNK	SM		0
	P14B2	CLINTON KEITH RD			0	0	0	0	0	0		UNK	SM		0
	P14B2	CLINTON KEITH RD			0	0	0	0	0	0		UNK	SM		0
1364	P13D1	SIERRA LN	11/14/12	09/01/11	100	0	0	0	0	0	dirty	JJA	SM	YES	100
1365	P13D1	MC ELWAIN RD	11/14/12	01/27/11	10	20	5	15	20	65	ok	JJA	SM	NO	0.5
1366	P13D1	MC ELWAIN RD	11/14/12	01/27/11	0	0	5	25	10	75	dirty, added filter dot , ne	JJA	SM	YES	0.5
1363	P14A1	MC ELWAIN RD	11/14/12	09/01/11	100	100	0	0	0	0	ok	JJA	SM	NO	1
1362	P14A1	MC ELWAIN RD	11/14/12	01/27/11	0	0	0	0	0	0	ok	JJA	SM	NO	0.25
1361	P9A4	SAGE GLEN ST	11/14/12	01/27/11	0	0	0	0	0	0	dirty	JJA	SM	NO	0.25
1359	P9A4	MC ELWAIN RD	11/14/12	01/27/11	0	0	0	0	0	0	ok	JJA	SM	NO	0.25
1360	P9A4	SAGE GLEN ST	11/14/12	01/27/11	0	0	0	0	0	0	ok	JJA	SM	NO	0.25
PM	P9A4	DELANEY CIR BASIN			0	0	0	0	0	0		JJA	SM		0
1376	P9A4	DELANEY CIR	11/14/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
P	P9A4	WATERLEAF AVE			0	0	0	0	0	0		JJA	SM		0
P	P9A4	WATERLEAF AVE			0	0	0	0	0	0		JJA	SM		0
P	P9A4	SAGE GLEN ST			0	0	0	0	0	0		JJA	SM		0
P	P9A4	SAGE GLEN ST			0	0	0	0	0	0		JJA	SM		0
P	P9A4	TWINLEAF AVE			0	0	0	0	0	0		JJA	SM		0
P	P9A4	TWINLEAF AVE			0	0	0	0	0	0		JJA	SM		0
P	P9A4	SAGE GLEN ST			0	0	0	0	0	0		JJA	SM		0
P	P9A4	BLUEBELL CT			0	0	0	0	0	0		JJA	SM		0
P	P8D4	SAGE GLEN ST			0	0	0	0	0	0		JJA	SM		0
P	P8D4	SAGE GLEN ST			0	0	0	0	0	0		JJA	SM		0
P	P8D4	PEONY LN			0	0	0	0	0	0		JJA	SM		0
P	P8D4	PEONY LN			0	0	0	0	0	0		JJA	SM		0
P	P13D1	NORTH OAKS CONDOS			0	0	0	0	0	0		JJA	SM		0
1266	P13C2	WEDGEWOOD WY	11/14/12		0	0	0	0	0	0	ok	JJA	SM	YES	0
1119	P13C2	CLINTON KEITH RD	12/06/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
1121	P13C2	CLINTON KEITH RD	12/06/12	01/27/11	260	85	15	5	25	10	dirty	JJA	SM	YES	2

1120	P13D2	CLINTON KEITH RD		12/06/12		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty,	JJA	SM	YES	0
1143	P13D2	DOGWOOD ST		11/14/12	02/23/11	175	90	1	10	0	0	0	0	0	0	0	0	0	dirty	JJA	SM	YES	1
1144	P13D2	HACKBERRY ST		11/14/12	02/23/11	400	70	1	20	1	10	0	0	0	0	0	0	0	dirty	JJA	SM	YES	2.5
1140	P13C2	YELLOW WOOD WY		11/14/12	02/23/11	350	95	1	5	0	0	0	0	0	0	0	0	0	ok	JJA	SM	YES	1.5
1139	P13D2	YELLOW WOOD WY		11/14/12		0	0	0	0	0	0	0	0	0	0	0	0	0	ok	JJA	SM	YES	0
1142	P13D2	MURRIETA OAKS AVE		11/14/12	02/23/11	300	60	1	30	1	10	0	0	0	0	0	0	0	ok, new rain/drain dot	JJA	SM	YES	1.5
1141	P13D2	MURRIETA OAKS AVE		11/14/12	02/24/11	150	95	1	5	0	0	0	0	0	0	0	0	0	ok, new rain/drain dot	JJA	SM	YES	1
1145	P13D2	HACKBERRY ST		11/14/12		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1206	P13C3	CARLTON OAKS ST		11/14/12		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty, need rain/drain dot	JJA	SM	YES	0
1207	P13C3	CARLTON OAKS ST		11/14/12		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty, new rain/drain dot	JJA	SM	YES	0
1380	P13C3	CARLTON OAKS ST		11/14/12		0	0	0	0	0	0	0	0	0	0	0	0	0	ok, new rain/drain dot	JJA	SM	NO	0
1283	P13C3	CHITTAM WOOD PL		11/15/12		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1284	P13C3	CHITTAM WOOD PL		11/15/12		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1208	P13C3	MURRIETA OAKS AVE		11/15/12		0	0	0	0	0	0	0	0	0	0	0	0	0	ok	JJA	SM	YES	0
1209	P13C3	MURRIETA OAKS AVE		11/15/12		0	0	0	0	0	0	0	0	0	0	0	0	0	ok	JJA	SM	YES	0
1242	P13C4	CARLTON OAKS ST		11/14/12		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty, new rain/drain dot	JJA	SM	YES	0
1240	P13C4	CARLTON OAKS ST		11/14/12		0	0	0	0	0	0	0	0	0	0	0	0	0	ok, new rain/drain dot	JJA	SM	YES	0
1241	P13C4	CARLTON OAKS ST		11/14/12		0	0	0	0	0	0	0	0	0	0	0	0	0	ok, new rain/drain dot	JJA	SM	YES	0
1122	P13B2	CLINTON KEITH RD		12/06/12	01/27/11	175	65	25	10	50	25	0	0	0	0	0	0	0	dirty	JJA	SM	YES	1.5
1123	P13B2	GREER RD		11/14/12	02/08/11	350	80	5	20	0	0	0	0	0	0	0	0	0	ok	JJA	SM	YES	2
1124	P13B2	GREER RD		11/14/12	02/08/11	300	85	5	15	0	0	0	0	0	0	0	0	0	ok	JJA	SM	YES	1.5
1125	P13B2	GREER RD		11/14/12	02/08/11	600	90	5	10	0	0	0	0	0	0	0	0	0	dirty	JJA	SM	YES	4
1134	P13B3	OAK GLEN ST		11/15/12		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1133	P13B3	OAK GLEN ST		11/15/12		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1136	P13B4	CHITTAM WOOD PL		11/15/12		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1137	P13B4	CHITTAM WOOD PL		11/15/12		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1138	P13B4	CHITTAM WOOD PL		11/15/12		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1135	P13B4	THOUSAND OAKS PL		11/15/12	10/01/12	60	90	5	1	20	9	0	0	0	0	0	0	0	ok	JJA	SM	YES	2
1218	P13D3	POST OAK PL		11/14/12	02/24/11	250	90	1	10	0	0	0	0	0	0	0	0	0	ok	JJA	SM	YES	2
1217	P13D3	POST OAK PL		11/14/12	02/24/11	250	90	1	10	0	0	0	0	0	0	0	0	0	dirty	JJA	SM	YES	1.5
1355	P23B1	CREEKWOOD CT	10/01/12	11/14/12		25	30	19	15	60	65	0	0	0	0	0	0	0	ok	JJA	SM	YES	1
1167	P23C1	MURRIETA OAKS AVE		11/14/12		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1168	P23C1	MURRIETA OAKS AVE		11/14/12		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1162	P23C1	MURRIETA OAKS AVE		11/14/12		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1163	P23C1	MURRIETA OAKS AVE		11/14/12		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty, new rain/drain dot	JJA	SM	YES	0
1239	P23C2	SILK OAK TERRACE PL	10/03/12	11/14/12		25	15	10	20	15	65	0	0	0	0	0	0	0	ok, new rain/drain dot	JJA	SM	YES	1
1238	P23C2	SILK OAK TERRACE PL	10/03/12	11/14/12		25	20	25	40	20	40	0	0	0	0	0	0	0	ok, new rain/drain dot	JJA	SM	YES	1
1237	P23C2	SWEETSPIRE TERRACE	10/03/12	11/14/12		75	50	10	20	45	30	0	0	0	0	0	0	0	ok, new rain/drain dot	UNK	SM	YES	1
1236	P23C2	SWEETSPIRE TERRACE	10/03/12	11/14/12		1100	95	10	5	10	5	0	0	0	0	0	0	0	ok, new rain/drain dot	JJA	SM	YES	4
1353	P23C1	OAK MEADOWS PL		11/14/12		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty, new rain/drain dot	JJA	SM	YES	0
1381	P23C1	OAK MEADOWS PL		11/14/12		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty, new rain/drain dot	JJA	SM	YES	0
1456	P23C1	OAK MEADOWS PL		11/14/12		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty, new rain/drain dot	UNK	SM	YES	0

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1216	P23C2	OAK MEADOWS PL	11/14/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1214	P23C2	LAURELWOOD AVE	11/14/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1285	P23C2	SWEETSPIRE TERRACE PL	11/14/12	10/16/12	450	95	1	5	0	0	0	ok, new rain/drain dot	JJA	SM	YES	3
1215	P23C2	OAK MEADOWS PL	11/14/12		0	0	0	0	0	0	0	dirty dot ok, new rain/drain dot	JJA	SM	YES	0
1210	P23C2	DESERT WILLOW ST	11/14/12	10/01/12	50	70	10	20	25	10	10	ok, new rain/drain dot	JJA	SM	YES	2.5
1205	P13D3	MURRIETA OAKS AVE	11/14/12		0	0	0	0	0	0	0	dirty, needs rain drain dc	JJA	SM	YES	0
1211	P23C3	WAX MYRTLE PL	11/14/12		0	0	0	0	0	0	0	dirty, needs rain/drain d	JJA	SM	YES	0
1232	P13D4	MURRIETA OAKS AVE	11/14/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1233	P13D4	PINYON ST	11/14/12	10/01/12	45	30	15	10	60	60	60	ok, new rain/drain dot	JJA	SM	YES	2
1166	P13D4	MURRIETA OAKS AVE	11/14/12		0	0	0	0	0	0	0	ok	JJA	SM	YES	0
1165	P13D4	MURRIETA OAKS AVE	11/14/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1164	P13D4	MURRIETA OAKS AVE	11/14/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1235	P13D4	PINYON ST	11/14/12		0	0	0	0	0	0	0	ok	JJA	SM	YES	0
1234	P13D4	PINYON ST	11/14/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1212	P23C2	WAX MYRTLE PL	11/14/12		0	0	0	0	0	0	0	ok, new rain/drain dot	JJA	SM	YES	0
1213	P23C2	WAX MYRTLE PL	11/14/12		0	0	0	0	0	0	0	ok, new rain/ drain dot	JJA	SM	YES	0
P	P13D1	NORTH OAKS CONDOS			0	0	0	0	0	0	0		JJA	SM		0
P	P13D1	NORTH OAKS CONDOS			0	0	0	0	0	0	0		JJA	SM		0
P	P13D1	NORTH OAKS CONDOS			0	0	0	0	0	0	0		JJA	SM		0
P	P13D1	NORTH OAKS CONDOS			0	0	0	0	0	0	0		JJA	SM		0
P	P13D1	NORTH OAKS CONDOS			0	0	0	0	0	0	0		JJA	SM		0
P	P13D1	NORTH OAKS CONDOS			0	0	0	0	0	0	0		JJA	SM		0
P	P13D1	NORTH OAKS CONDOS			0	0	0	0	0	0	0		JJA	SM		0
P	P13D1	NORTH OAKS CONDOS			0	0	0	0	0	0	0		JJA	SM		0
P	P13D1	NORTH OAKS CONDOS			0	0	0	0	0	0	0		JJA	SM		0
P	P13D1	NORTH OAKS CONDOS			0	0	0	0	0	0	0		JJA	SM		0
P	P13D1	NORTH OAKS CONDOS			0	0	0	0	0	0	0		JJA	SM		0
P	P13D1	NORTH OAKS CONDOS			0	0	0	0	0	0	0		JJA	SM		0
P	P13D1	NORTH OAKS CONDOS			0	0	0	0	0	0	0		JJA	SM		0
P	P13D1	NORTH OAKS CONDOS			0	0	0	0	0	0	0		JJA	SM		0
P	P13D1	NORTH OAKS CONDOS			0	0	0	0	0	0	0		JJA	SM		0
P	P8B2	TREE ROSE AVE			0	0	0	0	0	0	0		JJA	SM		0
P	P8B2	TREE ROSE AVE			0	0	0	0	0	0	0		JJA	SM		0
P	P8B2	RED MAPLE ST			0	0	0	0	0	0	0		JJA	SM		0
P	P8B3	CORAL GUM AVE			0	0	0	0	0	0	0		JJA	SM		0
P	P8B2	PUMPKIN ST/CORAL GUM AVE			0	0	0	0	0	0	0		JJA	SM		0
P	P8B3	CRABAPPLE ST			0	0	0	0	0	0	0		JJA	SM		0
P	P8B3	WHITE ADLER CT			0	0	0	0	0	0	0		JJA	SM		0
P	P8B3	GREER RD			0	0	0	0	0	0	0		JJA	SM		0

P	P8B3	GREER RD			0	0	0	0	0	0	JJA	SM	0		
P	P8B3	ORCHID TREE AVE			0	0	0	0	0	0	JJA	SM	0		
P	P8B3	ORCHID TREE AVE			0	0	0	0	0	0	JJA	SM	0		
1150	P7C4	GREER RD	11/14/12	10/20/11	0	0	0	0	5	100	ok	JJA	SM	NO	0.5
1151	P7C4	GREER RD	11/14/12	01/31/11	0	0	0	0	0	0	ok. replaced new stenci	JJA	SM	NO	0.25
PM	P7D4	HOA PARK BASIN			0	0	0	0	0	0		JJA	SM		0
	P7D4	PABESU RD			0	0	0	0	0	0		UNK	SM		0
1271	P7D4	GREER RD	11/14/12	01/31/11	0	0	0	0	0	0	ok	JJA	SM	NO	0.25
1270	P7D4	GREER RD	11/14/12	01/31/11	0	0	0	0	65	100	ok	JJA	SM	NO	0.75
	P7D4	PABESU RD			0	0	0	0	0	0		UNK	SM		0
P	P7D4	GREER RD			0	0	0	0	0	0		JJA	SM		0
P	P7D4	GREER RD			0	0	0	0	0	0		JJA	SM		0
P	P7D4	GREER RD			0	0	0	0	0	0		JJA	SM		0
P	P7D4	ABELIA ST			0	0	0	0	0	0		JJA	SM		0
P	P7D4	GREER RD			0	0	0	0	0	0		JJA	SM		0
P	P7D4	GREER RD			0	0	0	0	0	0		JJA	SM		0
P	P8A3	GREER RD			0	0	0	0	0	0		JJA	SM		0
P	P8A3	GREER RD			0	0	0	0	0	0		JJA	SM		0
P	P8A3	PECAN TREE LN			0	0	0	0	0	0		JJA	SM		0
P	P8A3	PECAN TREE LN			0	0	0	0	0	0		JJA	SM		0
P	P8A3	LEMON GRASS WY			0	0	0	0	0	0		JJA	SM		0
P	P8A3	LEMON GRASS WY			0	0	0	0	0	0		JJA	SM		0
P	P8A3	PEPPERMINT PL			0	0	0	0	0	0		JJA	SM		0
P	P8A3	PEPPERMINT PL			0	0	0	0	0	0		JJA	SM		0
P	P8A3	PEPPERMINT PL			0	0	0	0	0	0		JJA	SM		0
P	P8A3	PEPPERMINT PL			0	0	0	0	0	0		JJA	SM		0
P	P8B3	GREER RD			0	0	0	0	0	0		JJA	SM		0
P	P8B3	GREER RD			0	0	0	0	0	0		JJA	SM		0
P	P7D3	CHAMOMILE ST			0	0	0	0	0	0		JJA	SM		0
P	P7D3	CHAMOMILE ST			0	0	0	0	0	0		JJA	SM		0
P	P7D3	HORSETAIL ST			0	0	0	0	0	0		JJA	SM		0
P	P7D3	HORSETAIL ST			0	0	0	0	0	0		JJA	SM		0
P	P7D3	CHAMOMILE ST			0	0	0	0	0	0		JJA	SM		0
P	P7D3	CHAMOMILE ST			0	0	0	0	0	0		JJA	SM		0
P	P7D3	MAHONIA WY			0	0	0	0	0	0		JJA	SM		0
P	P7D3	MAHONIA WY			0	0	0	0	0	0		JJA	SM		0
P	P7D4	HORSETAIL ST			0	0	0	0	0	0		JJA	SM		0
P	P7D4	HORSETAIL ST			0	0	0	0	0	0		JJA	SM		0
P	P7D3	HORSETAIL ST			0	0	0	0	0	0		JJA	SM		0
P	P8A3	CHAMOMILE ST			0	0	0	0	0	0		JJA	SM		0
P	P7C3	ICEPLANT LN			0	0	0	0	0	0		JJA	SM		0
P	P7C3	HORSETAIL ST			0	0	0	0	0	0		JJA	SM		0

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P	P7C3	HORSETAIL ST			0	0	0	0	0	0	JJA	SM		0
P	P7C3	ICEPLANT LN			0	0	0	0	0	0	JJA	SM		0
P	P7C3	ICEPLANT LN			0	0	0	0	0	0	JJA	SM		0
P	P7C3	CHIEVE ST			0	0	0	0	0	0	JJA	SM		0
P	P7C3	HORSETAIL ST			0	0	0	0	0	0	JJA	SM		0
P	P7C3	HORSETAIL ST			0	0	0	0	0	0	JJA	SM		0
P	P7C4	ABELIA ST			0	0	0	0	0	0	JJA	SM		0
P	P7C4	CHIEVE ST			0	0	0	0	0	0	JJA	SM		0
P	P7C4	CHIEVE ST			0	0	0	0	0	0	JJA	SM		0
P	P7C4	RED LEAF LN			0	0	0	0	0	0	JJA	SM		0
P	P7C3	HORSETAIL ST			0	0	0	0	0	0	JJA	SM		0
P	P7D4	ALOE WY			0	0	0	0	0	0	JJA	SM		0
P	P7D4	ABELIA ST			0	0	0	0	0	0	JJA	SM		0
P	P7D4	ALOE WY			0	0	0	0	0	0	JJA	SM		0
P	P7C3	HORSETAIL ST			0	0	0	0	0	0	JJA	SM		0
P	P7C3	HORSETAIL ST			0	0	0	0	0	0	JJA	SM		0
P	P7C3	STOCK ST			0	0	0	0	0	0	JJA	SM		0
P	P7C3	STOCK ST			0	0	0	0	0	0	JJA	SM		0
P	P7B3	ABELIA ST			0	0	0	0	0	0	JJA	SM		0
P	P7B3	HORSETAIL ST			0	0	0	0	0	0	JJA	SM		0
P	P7B3	HORSETAIL ST			0	0	0	0	0	0	JJA	SM		0
P	P7C4	ABELIA ST			0	0	0	0	0	0	JJA	SM		0
P	P7C4	ABELIA ST			0	0	0	0	0	0	JJA	SM		0
P	P7C4	ABELIA ST			0	0	0	0	0	0	JJA	SM		0
P	P7C4	ABELIA ST			0	0	0	0	0	0	JJA	SM		0
PM	P7C4	NUTMEG/EVANDEL BASIN			0	0	0	0	0	0	JJA	SM		0
1343	P7B4	NUTMEG ST	11/14/12	09/11/12	350	90	0	0	5	10 ok	JJA	SM	YES	2
1161	P7B4	DARCY PL	11/14/12	02/01/11	110	65	15	5	45	30 dirty	JJA	SM	YES	1.5
1160	P7B4	NUTMEG ST	11/14/12	09/11/12	100	95	1	2	1	3 ok, replaced missing gu	JJA	SM	YES	1
1158	P12B1	DARCY PL	11/14/12	02/01/11	85	55	15	15	50	30 dirty. added newstencil c	JJA	SM	YES	1
1157	P12B1	DARCY PL	11/14/12	02/01/11	225	65	40	15	60	20 dirty	JJA	SM	YES	2
1159	P12A1	HUDSON CT	11/14/12	02/01/11	125	55	25	10	75	35 dirty	JJA	SM	YES	1.25
1155	P12B1	DARCY PL	11/14/12	02/07/11	200	75	1	25	0	0 dirty. added new stencil	JJA	SM	YES	1
1156	P12B1	DARCY PL	11/14/12	02/01/11	25	50	5	10	20	40 dirty. added new stencil	JJA	SM	YES	0.5
1153	P12B2	DARCY PL	11/14/12	09/12/12	265	90	1	10	0	0 dirty	JJA	SM	YES	1.5
1154	P12B2	DARCY PL	11/14/12	09/11/12	300	90	1	10	0	0 dirty. Added new stencil	JJA	SM	YES	1.5
1152	P12C1	NUTMEG ST	11/14/12	09/11/12	100	95	1	2	1	3 ok	JJA	SM	NO	1
1146	P12C1	GREER RD	11/14/12	09/11/12	85	100	0	0	0	0 ok	JJA	SM	NO	1
1147	P12C1	GREER RD	11/14/12	09/12/12	0	0	15	15	100	85 dirty	JJA	SM	NO	1
1149	P12C1	GREER RD	11/14/12	09/12/12	400	95	5	5	0	0 dirty	JJA	SM	YES	2.5
1148	P12C1	GREER RD	11/14/12	09/12/12	250	50	5	5	85	45 ok	JJA	SM	YES	2
P	P7D4	CHERRY BARK WY			0	0	0	0	0	0	JJA	SM		0

P	P7D4	CHERRY BARK WY			0	0	0	0	0	0		JJA	SM		0
P	P8B2	PUMPKIN ST			0	0	0	0	0	0		JJA	SM		0
P	P8C2	CRABAPPLE ST			0	0	0	0	0	0		JJA	SM		0
P	P8D1	ELDERBERRY ST			0	0	0	0	0	0		JJA	SM		0
P	P8D1	ELDERBERRY ST			0	0	0	0	0	0		JJA	SM		0
P	P8D1	ELDERBERRY ST			0	0	0	0	0	0		JJA	SM		0
P	P8D1	ELDERBERRY ST			0	0	0	0	0	0		JJA	SM		0
P	P8D1	BOTTLE BRUSH WY			0	0	0	0	0	0		JJA	SM		0
P	P8D1	BOTTLE BRUSH WY			0	0	0	0	0	0		JJA	SM		0
P	P8D1	BOTTLE BRUSH WY			0	0	0	0	0	0		JJA	SM		0
P	P8D1	TREFOIL ST			0	0	0	0	0	0		JJA	SM		0
P	P8D1	TREFOIL ST			0	0	0	0	0	0		JJA	SM		0
P	P8C2	BOTTLE BRUSH WY			0	0	0	0	0	0		JJA	SM		0
P	P8C2	BOTTLE BRUSH WY			0	0	0	0	0	0		JJA	SM		0
P	P8C2	BOTTLE BRUSH WY			0	0	0	0	0	0		JJA	SM		0
P	P8D1	BOTTLE BRUSH WY			0	0	0	0	0	0		JJA	SM		0
P	P8C2	BENT GRASS AVE			0	0	0	0	0	0		JJA	SM		0
P	P8C3	BOWERVINE PL			0	0	0	0	0	0		JJA	SM		0
P	P8C3	BOWERVINE PL			0	0	0	0	0	0		JJA	SM		0
P	P8C2	SUMAC AVE			0	0	0	0	0	0		JJA	SM		0
P	P8C2	SUMAC AVE			0	0	0	0	0	0		JJA	SM		0
185	P12B2	COUNTRYSIDE LN	08/29/11		0	0	0	0	0	0	dirty	JJA	SM	NO	0
186	P12B2	COUNTRYSIDE LN	08/29/11		0	0	0	0	0	0	dirty	JJA	SM	NO	0
183	P12A2	SPINDLE WY	11/14/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
184	P12A2	SPINDLE WY	11/14/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
182	P12A1	COPPER CRAFT DR	08/29/11		0	0	0	0	0	0	dirty	JJA	SM	NO	0
196	P12A2	CLINTON KEITH RD	12/06/12	02/10/11	100	80	1	20	0	0	dirty	JJA	SM	YES	1
180	P12A2	COPPER CRAFT DR	11/14/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
181	P12A2	COPPER CRAFT DR	11/14/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
179	P12A2	COPPER CRAFT DR	11/14/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
1269	P12B2	REDGRAVE WY	11/14/12		0	0	0	0	0	0	dirty, replaced stencil do	JJA	SM	NO	0
1403	P12C2	NUTMEG ST	11/14/12	09/18/12	200	85	15	5	35	10	dirty	JJA	SM	YES	1.5
	P12C1	SIRUS CIR			0	0	0	0	0	0		UNK	SM		0
	P12C1	MURANO ST			0	0	0	0	0	0		UNK	SM		0
	P12D2	HOLLINGSWORTH DR			0	0	0	0	0	0		UNK	SM		0
	P12D2	HOLLINGSWORTH DR			0	0	0	0	0	0		UNK	SM		0
1434	P12C2	MURANO ST	11/14/12	10/20/11	60	50	0	0	5	50	ok, new rain/drain dot	UNK	SM	NO	0.75
1435	P12C2	MURANO ST	11/14/12	10/20/11	75	60	0	0	5	40	ok	UNK	SM	YES	1
1438	P13A2	CORTE RENATA	11/14/12	10/20/11	75	50	0	0	5	50	dirty	UNK	SM	YES	1
1437	P13A2	CORTE RENATA	11/14/12	10/20/11	150	85	0	0	5	15	ok	UNK	SM	YES	1.25
	P13A2	HOLLINGSWORTH DR			0	0	0	0	0	0		UNK	SM		0
	P13A2	HOLLINGSWORTH DR			0	0	0	0	0	0		UNK	SM		0
189	P13B4	TOULON DR	11/15/12	01/10/13	50	65	0	0	25	35		JJA	SM	NO	1

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190	P13B4	TOULON DR	11/15/12	01/10/13	75	60	0	0	50	40	JJA	SM	NO	1
156	P22D1	PROVENCE DR	11/15/12		0	0	0	0	0	0 ok	JJA	SM	NO	0
197	P12D4	ST RAPHAEL DR	11/15/12		0	0	0	0	0	0 ok	JJA	SM	NO	0
158	P13A4	CONTIGNAC DR	11/15/12	02/10/11	125	50	0	0	5	50 dirty	JJA	SM	NO	1
157	P13A4	CONTIGNAC DR	11/15/12	02/10/11	50	100	0	0	0	0 dirty, Manhole lid has bo	JJA	SM	NO	0.75
159	P13A4	CONTIGNAC DR	11/15/12	01/10/13	0	0	0	0	5	100 sweep n rinse	JJA	SM	NO	0.25
191	P13A3	MANDELIEU DR	11/15/12		0	0	0	0	0	0 ok	JJA	SM	NO	0
499	P12D4	ST RAPHAEL DR	11/14/12	03/31/11	125	95	2	5	0	0 dirty	JJA	SM	NO	1
500	P12D4	ST RAPHAEL DR	11/14/12	03/31/11	50	99	1	1	0	0 ok	JJA	SM	NO	0.45
498	P12B3	BOURDEAUX PL	11/14/12		0	0	0	0	0	0 dirty	JJA	SM	NO	0
497	P12B3	BOURDEAUX PL	11/14/12	03/31/11	50	100	0	0	0	0 ok	JJA	SM	NO	0.45
1268	P12D3	BLADEN RD	11/15/12	03/31/11	300	90	1	10	0	0 dirty	JJA	SM	YES	2
1267	P12D3	BLADEN RD	11/15/12	08/28/12	175	90	1	10	0	0 dirty	JJA	SM	YES	1.5
220	P23B3	CAMINO LAS POSITAS	11/19/12		0	0	0	0	0	0 dirty	JJA	SM	NO	0
219	P23B3	CAMINO LAS POSITAS	11/19/12		0	0	0	0	0	0 dirty	JJA	SM	NO	0
221	P23B3	CALA DEL VALLE	11/19/12		0	0	0	0	0	0 dirty	JJA	SM	NO	0
223	P23B3	CALA DEL VALLE	11/19/12	04/01/13	450	90	30	10	0	0 clean	JJA	SM	NO	4.5
222	P23B3	CALA DEL VALLE	11/19/12		0	0	0	0	0	0 dirty	JJA	SM	NO	0
579	P23B3	CALLE SAN CLEMENTE	11/19/12		0	0	0	0	0	0 dirty	JJA	SM	NO	0
155	P22D1	MANRESA CT	11/19/12		0	0	0	0	0	0 ok	JJA	SM	NO	0
154	P22D1	MANRESA CT	11/19/12		0	0	0	0	0	0 ok	JJA	SM	NO	0
199	P22D1	MORELLA CIR	11/19/12		0	0	0	0	0	0 dirty	JJA	SM	NO	0
198	P22D1	MEDINA CT	11/19/12		0	0	0	0	0	0 dirty	JJA	SM	NO	0
200	P22D2	MEDINA CT	11/19/12		0	0	0	0	0	0 dirty	JJA	SM	NO	0
204	P22D2	TARRAGONA DR	11/19/12		0	0	0	0	0	0 dirty	JJA	SM	NO	0
203	P22D2	TARRAGONA DR	11/19/12		0	0	0	0	0	0 dirty	JJA	SM	NO	0
201	P22D2	TARRAGONA DR	11/19/12		0	0	0	0	0	0 dirty	JJA	SM	NO	0
202	P22D2	ALMANSA CT	11/19/12	01/11/12	0	0	0	0	75	100 ok	JJA	SM	NO	1
209	P23A2	JACARTE DR	11/19/12		0	0	0	0	0	0 dirty	JJA	SM	NO	0
208	P23A2	PANTERA CT	11/19/12		0	0	0	0	0	0 dirty	JJA	SM	NO	0
207	P23A2	PANTERA CT	09/13/11		0	0	0	0	0	0 dirty	JJA	SM	NO	0
212	P23A3	BOLINA DR	11/19/12	08/28/12	125	85	0	0	10	15 ok	JJA	SM	NO	1
218	P23A3	BOLINA DR	11/19/12	08/28/12	50	50	0	0	50	50 ok	JJA	SM	NO	1
217	P23A3	BOLINA DR	11/19/12	08/28/12	20	50	0	0	20	50 ok	JJA	SM	NO	0.75
206	P22D2	PANTERA CT	11/19/12		0	0	0	0	0	0 dirty	JJA	SM	NO	0
205	P22D2	CASTILE AVE	11/19/12		0	0	0	0	0	0 dirty	JJA	SM	NO	0
210	P22D3	CASTILE AVE	11/19/12		0	0	0	0	0	0 dirty	JJA	SM	NO	0
211	P22D3	CASTILE AVE	11/19/12		0	0	0	0	0	0 ok	JJA	SM	NO	0
213	P22D4	CALICIA CT	11/19/12		0	0	0	0	0	0 ok	JJA	SM	YES	0
479	P22D3	BARCELONA TER	11/19/12	08/27/12	150	60	50	20	50	20 dirty	JJA	SM	NO	1.5
214	P22D3	SARADELLA CT	11/19/12		0	0	0	0	0	0 ok	JJA	SM	NO	0
215	P22D3	SARADELLA CT	11/19/12		0	0	0	0	0	0 ok	JJA	SM	NO	0

216	P22D3	SARADELLA CT	11/19/12		0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
101	P22D3	CALIFORNIA OAKS RD	12/04/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
102	P22D3	CALIFORNIA OAKS RD	12/04/12	09/04/12	25	50	5	10	15	40	0	dirty	JJA	SM	YES	1
P	P31B1	VIA PRIMA VERA			0	0	0	0	0	0	0		JJA	SM		0
P	P31B1	VIA PRIMA VERA			0	0	0	0	0	0	0		JJA	SM		0
P	P31B1	VIA PRIMA VERA			0	0	0	0	0	0	0		JJA	SM		0
P	P31B1	VIA PRIMA VERA			0	0	0	0	0	0	0		JJA	SM		0
P	P31B1	VIA PRIMA VERA			0	0	0	0	0	0	0		JJA	SM		0
P	P31B1	VIA PRIMA VERA			0	0	0	0	0	0	0		JJA	SM		0
P	P31B1	AVENIDA FLORITA			0	0	0	0	0	0	0		JJA	SM		0
P	P22B4	VIA ESTRADA			0	0	0	0	0	0	0		JJA	SM		0
P	P22B4	VIA HACIENDA			0	0	0	0	0	0	0		JJA	SM		0
P	P22B4	VIA HACIENDA			0	0	0	0	0	0	0		JJA	SM		0
P	P22B4	VIA HACIENDA			0	0	0	0	0	0	0		JJA	SM		0
P	P22B4	VIA HACIENDA			0	0	0	0	0	0	0		JJA	SM		0
P	P22A4	VIA JALAPA			0	0	0	0	0	0	0		JJA	SM		0
P	P22A4	VIA JALAPA			0	0	0	0	0	0	0		JJA	SM		0
P	P22A4	VIA JALAPA			0	0	0	0	0	0	0		JJA	SM		0
P	P22A4	VIA TRABUCO			0	0	0	0	0	0	0		JJA	SM		0
P	P22A4	VIA TRABUCO			0	0	0	0	0	0	0		JJA	SM		0
P	P22A4	CALLE GALACIA			0	0	0	0	0	0	0		JJA	SM		0
P	P22A1	VIA BARLETTA			0	0	0	0	0	0	0		JJA	SM		0
P	P22A1	VIA BARLETTA			0	0	0	0	0	0	0		JJA	SM		0
P	P22A1	VIA COMADRES			0	0	0	0	0	0	0		JJA	SM		0
P	P22A1	VIA TIAMA			0	0	0	0	0	0	0		JJA	SM		0
P	P22A1	CALLE ALAMORIO			0	0	0	0	0	0	0		JJA	SM		0
P	P22A2	VIA AGUADULCE			0	0	0	0	0	0	0		JJA	SM		0
P	P22A2	VIA AGUADULCE			0	0	0	0	0	0	0		JJA	SM		0
P	P22A2	VIA AGUADULCE			0	0	0	0	0	0	0		JJA	SM		0
P	P22A2	CALLE ALAMORIO			0	0	0	0	0	0	0		JJA	SM		0
P	P22A3	CALLE ALAMORIO			0	0	0	0	0	0	0		JJA	SM		0
P	P22A2	CALLE ALAMORIO			0	0	0	0	0	0	0		JJA	SM		0
P	P22A2	VIA MONTORO			0	0	0	0	0	0	0		JJA	SM		0
P	P22A2	CORTE EMERADO			0	0	0	0	0	0	0		JJA	SM		0
P	P22A2	CORTE EMERADO			0	0	0	0	0	0	0		JJA	SM		0
P	P22A2	CALLE ALAMORIO			0	0	0	0	0	0	0		JJA	SM		0
P	P22A3	CALLE ALAMORIO			0	0	0	0	0	0	0		JJA	SM		0
P	P22A3	CALLE ALAMORIO			0	0	0	0	0	0	0		JJA	SM		0
P	P22A3	CALLE ALAMORIO			0	0	0	0	0	0	0		JJA	SM		0
P	P22A3	CALLE ALAMORIO			0	0	0	0	0	0	0		JJA	SM		0
P	P22A2	VIA CALIDAD			0	0	0	0	0	0	0		JJA	SM		0
P	P22A3	VIA PAMILLA			0	0	0	0	0	0	0		JJA	SM		0
P	P22A3	VIA PAMILLA			0	0	0	0	0	0	0		JJA	SM		0

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P	P22A3	VIA ASTUTO			0	0	0	0	0	0	JJA	SM	0		
P	P22A3	VIA ASTUTO			0	0	0	0	0	0	JJA	SM	0		
P	P22B3	VIA ASTUTO			0	0	0	0	0	0	JJA	SM	0		
P	P22B3	VIA ASTUTO			0	0	0	0	0	0	JJA	SM	0		
1126	P21D1	NUTMEG ST	12/06/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
165	P12B4	FIVE TRIBES TR	11/14/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
P	P21D4	OS OFF OF JACKSON AVE			0	0	0	0	0	0		JJA	SM		0
P	P21D2	CORTE SABIO			0	0	0	0	0	0		JJA	SM		0
P	P21D2	CORTE SABIO			0	0	0	0	0	0		JJA	SM		0
P	P21D2	COLONY DR			0	0	0	0	0	0		JJA	SM		0
P	P21D2	CORTE ANDAR			0	0	0	0	0	0		JJA	SM		0
P	P21D2	CORTE ANDAR			0	0	0	0	0	0		JJA	SM		0
P	P21D2	COLONY DR			0	0	0	0	0	0		JJA	SM		0
P	P21D2	COLONY DR			0	0	0	0	0	0		JJA	SM		0
P	P22A3	COLONY DR			0	0	0	0	0	0		JJA	SM		0
P	P22A4	COLONY DR			0	0	0	0	0	0		JJA	SM		0
P	P22A4	CORTE ALBARA			0	0	0	0	0	0		JJA	SM		0
P	P22A3	COLONY DR			0	0	0	0	0	0		JJA	SM		0
P	P22A3	COLONY DR			0	0	0	0	0	0		JJA	SM		0
P	P22A4	COLONY DR			0	0	0	0	0	0		JJA	SM		0
P	P22A4	COLONY DR			0	0	0	0	0	0		JJA	SM		0
P	P22A4	COLONY DR			0	0	0	0	0	0		JJA	SM		0
P	P21D4	CORTE ALBARA			0	0	0	0	0	0		JJA	SM		0
P	P21D4	CORTE ALBARA			0	0	0	0	0	0		JJA	SM		0
P	P31A1	CORTE ALBARA			0	0	0	0	0	0		JJA	SM		0
P	P31A1	VIA BANCO			0	0	0	0	0	0		JJA	SM		0
P	P31C2	VIA FRANCISCO			0	0	0	0	0	0		JJA	SM		0
P	P31B2	VIA AMAPOLA			0	0	0	0	0	0		JJA	SM		0
P	P31B2	VIA ANDORRA			0	0	0	0	0	0		JJA	SM		0
P	P31B2	VIA ANDORRA			0	0	0	0	0	0		JJA	SM		0
P	P31B2	COLONY DR			0	0	0	0	0	0		JJA	SM		0
P	P31C2	VIA ISABELLA			0	0	0	0	0	0		JJA	SM		0
P	P31B2	JACKSON AVE			0	0	0	0	0	0		JJA	SM		0
P	P31B2	JACKSON AVE			0	0	0	0	0	0		JJA	SM		0
P	P31B1	AVENIDA FLORITA			0	0	0	0	0	0		JJA	SM		0
P	P31B1	AVENIDA FLORITA			0	0	0	0	0	0		JJA	SM		0
P	P22B3	CALLE ALAMORIO			0	0	0	0	0	0		JJA	SM		0
P	P22B3	CALLE ALAMORIO			0	0	0	0	0	0		JJA	SM		0
P	P22B3	CALLE ALAMORIO			0	0	0	0	0	0		JJA	SM		0
P	P22B3	CALLE ALAMORIO			0	0	0	0	0	0		JJA	SM		0
P	P22B3	CORTE PERALTA			0	0	0	0	0	0		JJA	SM		0
P	P22B3	CORTE PERALTA			0	0	0	0	0	0		JJA	SM		0

P	P22B3	CALLE ALAMORIO			0	0	0	0	0	0	JJA	SM		0	
152	P12A4	NUTMEG ST	12/06/12		0	0	0	0	0	0	dirty, new rain/drain dot	JJA	SM	YES	0
163	P12B4	FALCONER DR	11/14/12		0	0	0	0	0	0	bolts "attempted,"	JJA	SM	NO	0
162	P12B4	FALCONER DR	11/14/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
160	P12B4	FALCONER DR	11/14/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
161	P12B4	FALCONER DR	11/14/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
164	P12B4	METATE RD	11/14/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
153	P12A4	TEMECKY WY	11/14/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
521	P22B2	MATADOR WY	11/14/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
522	P22B2	MATADOR WY	11/14/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
1114	P11C4	SARATOGA SPRINGS PL	11/13/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
PM	P24B4	LOS ALAMOS HILLS SPORTS PARK			0	0	0	0	0	0		JJA	SM		0
PM	P24B4	LOS ALAMOS HILLS SPORTS PARK			0	0	0	0	0	0		JJA	SM		0
PM	P24B4	LOS ALAMOS HILLS SPORTS PARK			0	0	0	0	0	0		JJA	SM		0
PM	P24B4	LOS ALAMOS HILLS SPORTS PARK			0	0	0	0	0	0		JJA	SM		0
667	P51B4	SILVER OAK DR	11/27/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
666	P51B4	SILVER OAK DR	11/27/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
P	P31C2	CAL OAKS PAVILION			0	0	0	0	0	0		JJA	SM		0
1181	P38C3	SEMILLON LN	11/20/12	05/09/11	225	85	5	5	20	10	dirty	JJA	SM	YES	1.5
1182	P38C3	SEMILLON LN	11/20/12	05/09/11	275	90	0	0	25	10	dirty	JJA	SM	YES	2
1031	P38D3	HAYES AVE	11/20/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
513	P38D4	HAYES AVE	11/20/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
1045	P38C4	SHERRY LN	11/20/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
1034	P38C4	SHERRY LN	11/20/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
1180	P38C3	SEMILLON LN	11/20/12	05/10/11	250	95	1	5	0	0	dirty	JJA	SM	YES	1.75
1179	P38C3	SEMILLON LN	11/20/12	05/09/11	225	90	0	0	25	10	ok	JJA	SM	YES	1.5
1033	P38D4	PORT LN	11/20/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
1032	P38D4	PORT LN	11/20/12		0	0	0	0	0	0	dirty, needs stencil	JJA	SM	YES	0
1035	P38D4	GOLDEN MIST DR	11/20/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
1036	P38D4	GOLDEN MIST DR	11/20/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
1037	P38D4	GOLDEN MIST DR	11/20/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
1038	P38D4	GOLDEN MIST DR	11/20/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
	P52A3	WINCHESTER RD			0	0	0	0	0	0		UNK	SM		0
978	P20C4	ABURY AVE			0	0	0	0	0	0		JJA	SM		0
873	P29C1	CAMELLIA LN	11/19/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
874	P29C1	DAHLIAS WY	11/19/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
875	P29C1	DAHLIAS WY	11/19/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
876	P20C4	DAHLIAS WY	11/19/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
877	P20C4	DAHLIAS WY	11/19/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
567	P29B1	TRINITY RIVER WY	11/19/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
566	P29B1	TRINITY RIVER WY	11/19/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
676	P51D3	BAHAMA WY	11/27/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0

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674	P51D4	BONAIRE WY	11/27/12	08/29/12	50	80	1	5	15	15	dirty	JJA	SM	NO	1
1223	P51D4	WINCHESTER CREEK AVE	11/27/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
	P4C2	BASIN OFF OF CORIANDER CT			0	0	0	0	0	0		UNK	SM		0
35	P30A1	MANDRA ST	11/13/12	05/16/11	100	100	0	0	0	0	ok	JJA	SM	NO	1.5
1104	P29B4	CLAIRISSA WY	11/20/12	05/09/11	125	93	0	0	5	7	ok	JJA	SM	YES	1
1103	P29B4	CLAIRISSA WY	11/20/12	05/09/11	85	70	0	0	25	30	ok	JJA	SM	YES	0.75
1013	P29B3	CLAIRISSA WY	11/20/12	05/09/11	100	99	1	1	0	0	dirty	JJA	SM	YES	0.75
1006	P29B3	SYCAMORE CREEK AVE	11/20/12	11/05/12	80	95	1	5	0	0	ok, needs stencil	JJA	SM	YES	1
1005	P29C3	SYCAMORE CREEK AVE	11/20/12	11/05/12	50	100	0	0	0	0	ok	JJA	SM	YES	0.5
1007	P29C3	CLAIRISSA WY	11/20/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
1010	P29C3	KATHRYN ST	11/20/12	04/25/11	50	100	0	0	0	0	dirty,needs stencil	JJA	SM	YES	0.75
1008	P29C3	CLAIRISSA WY	11/20/12		0	0	0	0	0	0	ok	JJA	SM	YES	0
1009	P29C3	KATHRYN ST	11/20/12	04/25/11	50	99	1	1	0	0	dirty	JJA	SM	YES	0.75
1012	P29C3	KATHRYN ST	11/20/12	04/25/11	100	0	0	0	0	0	ok	JJA	SM	YES	0.75
1011	P29C3	KATHRYN ST	11/20/12	04/25/11	50	99	1	1	0	0	ok	JJA	SM	YES	0.75
894	P29B4	CALLE DEL OSO ORO	11/20/12	02/13/13	100	85	5	15	0	0	clean	JJA	SM	YES	1
896	P29C3	CALLE DEL OSO ORO	11/20/12	02/12/13	125	90	1	10	0	0	clean	JJA	SM	NO	1.5
887	P29B3	SYCAMORE CREEK AVE	11/20/12	11/05/12	50	90	1	10	0	0	ok	JJA	SM	YES	0.75
888	P29B3	SYCAMORE CREEK AVE	11/20/12	11/05/12	75	85	0	0	5	15	ok	JJA	SM	YES	1
1192	P51C1	BRANWIN ST	12/03/12	12/07/11	250	98	2	2	0	0	dirty	JJA	SM	YES	1.5
1194	P43C4	MEMBERS CLUB DR	12/03/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
1196	P43C4	MEMBERS CLUB DR	12/03/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
1190	P43B4	CLEARBROOK DR	12/03/12	10/24/12	315	90	5	10	0	0	dirty	JJA	SM	YES	2
1189	P43B4	CLEARBROOK DR	12/03/12	10/24/12	295	95	5	5	0	0	dirty	JJA	SM	YES	2
1191	P43B4	CLEARBROOK DR	12/03/12	10/24/12	305	95	5	5	0	0	ok	JJA	SM	YES	2
1289	P51B1	CLEARBROOK DR	12/03/12	02/05/13	0	0	2	1	200	99	clean	JJA	SM	YES	2
1290	P51B1	CLEARBROOK DR	12/03/12	02/05/13	0	0	2	1	200	99	clean	JJA	SM	YES	2
1193	P43C4	BRANWIN ST	12/03/12	12/07/11	265	99	1	1	0	0	dirty	JJA	SM	YES	1.5
553	P38B2	WILLOW CT	11/20/12		0	0	0	0	0	0	ok	JJA	SM	NO	0.25
	P44A3	WINCHESTER RD			0	0	0	0	0	0		UNK	SM		0
NM	P44A3	WINCHESTER RD			0	0	0	0	0	0		JJA	SM		0
1280	P21C1	LINCOLN AVE	11/13/12	05/31/11	200	99	2	1	0	0	dirty	JJA	SM	YES	2
733	P44A1	AUGUSTA DR	12/03/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
732	P44A1	AUGUSTA DR	12/03/12		0	0	0	0	0	0	ok-added stencil	JJA	SM	NO	0
944	P34B2	BROKEN ARROW WY	12/03/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
943	P34B2	WRANGLER DR	12/03/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
942	P34B2	WRANGLER DR	12/03/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
940	P34C3	VIA MIRA MOSA	12/03/12		0	0	0	0	0	0	ok, Manhole lid has holes	JJA	SM	NO	0.25
939	P34C3	VIA MIRA MOSA	12/03/12	06/20/11	50	50	0	0	50	50	ok	JJA	SM	NO	1
17	P28C2	VIA MORENO	11/20/12		0	0	0	0	0	0	dirty	JJA	SM	NO	0
	P35B3	WINCHESTER RD			0	0	0	0	0	0		UNK	SM		0
980	P34D2	EARLY LN	12/03/12		0	0	0	0	0	0	ok	JJA	SM	NO	0

946	P34B3	FLORA CT	12/03/12		0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
945	P34C3	RUSHING WIND CT	12/03/12	01/22/13	100	100	0	0	0	0	0	removed bolts, drain wa	JJA	SM	NO	1
P	P34C2	MONTE VISTA ELEMENTARY			0	0	0	0	0	0	0		JJA	SM		0
P	P34C2	MONTE VISTA ELEMENTARY			0	0	0	0	0	0	0		JJA	SM		0
941	P34C2	VIA MIRA MOSA	12/03/12	01/22/13	200	65	5	5	100	30	30	removed sandbags from	JJA	SM	NO	1.5
NM?	P52A1	WINCHESTER RD			0	0	0	0	0	0	0		UNK	SM		0
936	P34C4	LYNN CT	12/03/12	10/27/11	50	100	0	0	0	0	0	ok	JJA	SM	NO	0.5
934	P34C4	VIA MIRA MOSA	07/25/11	06/20/11	100	100	0	0	0	0	0	dirty	JJA	SM	NO	1
935	P34C4	VIA MIRA MOSA	12/03/12	06/20/11	100	98	1	1	1	1	1	dirty	JJA	SM	NO	1
286	P41A1	LINCOLN AVE	11/19/12		0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
285	P41A1	LINCOLN AVE	11/19/12		0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
P	P27B2	BEAR CREEK DR			0	0	0	0	0	0	0		JJA	SM		0
P	P27B2	SERENADE RDG			0	0	0	0	0	0	0		JJA	SM		0
P	P27B2	SERENADE RDG			0	0	0	0	0	0	0		JJA	SM		0
P	P27B3	BEAR CREEK DR			0	0	0	0	0	0	0		JJA	SM		0
P	P27B3	BEAR CREEK DR			0	0	0	0	0	0	0		JJA	SM		0
P	P27B3	EAGLES NEST CT			0	0	0	0	0	0	0		JJA	SM		0
P	P27B3	EAGLES NEST CT			0	0	0	0	0	0	0		JJA	SM		0
P	P27B3	BEAR CREEK DR			0	0	0	0	0	0	0		JJA	SM		0
P	P27B2	TWIN OAKS CT			0	0	0	0	0	0	0		JJA	SM		0
P	P27B2	TWIN OAKS CT			0	0	0	0	0	0	0		JJA	SM		0
P	P27C1	BEAR CREEK DR			0	0	0	0	0	0	0		JJA	SM		0
P	P27C1	BEAR CREEK DR			0	0	0	0	0	0	0		JJA	SM		0
P	P18D4	SILVER FOX CT			0	0	0	0	0	0	0		JJA	SM		0
P	P18C4	MONTES CT			0	0	0	0	0	0	0		JJA	SM		0
P	P18C4	MONTES CT			0	0	0	0	0	0	0		JJA	SM		0
P	P27C1	SILVER FOX CT			0	0	0	0	0	0	0		JJA	SM		0
P	P27C3	BEAR CREEK DR			0	0	0	0	0	0	0		JJA	SM		0
1415	P48A3	WASHINGTON AVE	11/26/12		0	0	0	0	0	0	0	ok	JJA	SM	NO	0
1169	P48A3	IVY ST	11/26/12	10/18/12	100	80	1	1	25	19	19	ok	JJA	SM	YES	1
1384	P48A2	PLUM AVE	11/26/12		0	0	0	0	0	0	0	dirty	JJA	SM		0
1385	P48A2	PLUM AVE	11/26/12		0	0	0	0	0	0	0	dirty	JJA	SM		0
1369	P48A2	ADAMS AVE	11/26/12	01/10/12	100	80	0	0	25	20	20	dirty	JJA	SM	NO	1
1367	P48A2	ADAMS AVE	11/26/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1368	P48A2	ADAMS AVE	11/26/12	01/10/12	30	85	0	0	5	15	15	dirty	JJA	SM	NO	0.75
1315	P48B1	JEFFERSON AVE	11/26/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1316	P48B1	JEFFERSON AVE	11/26/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1317	P48B1	JEFFERSON AVE	11/26/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1329	P48B1	LOS ALAMOS RD	12/04/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1318	P48B1	JEFFERSON AVE	11/26/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1314	P48C3	JEFFERSON AVE	11/26/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1313	P48C3	JEFFERSON AVE	11/26/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0

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1312	P48C3	JEFFERSON AVE	11/26/12	0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1319	P40A4	JEFFERSON/JUNIPER	11/26/12	0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1412	P40A4	JUNIPER ST	11/26/12	0	0	0	0	0	0	0	dirty-added stencil	JJA	SM	YES	0
683	P48A1	JUNIPER ST	11/26/12	0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
PM	P50B4	OS NEXT TO ISAAC ST		0	0	0	0	0	0	0		JJA	SM		0
1342	P50B3	ISAAC ST	11/27/12	0	0	0	0	0	0	0	dirty. added number dot	JJA	SM	NO	0
1265	P24B4	RUTH ELLEN WY	11/28/12	0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
966	P24B4	RUTH ELLEN WY	11/28/12	0	0	0	0	0	0	0	ok	JJA	SM	NO	0
1341	P50A3	NORMA JEAN PL	11/27/12	0	0	0	0	0	0	0	ok	JJA	SM	NO	0
1340	P50A3	NORMA JEAN PL	08/22/11	0	0	0	0	0	0	0	ok	JJA	SM	NO	0
1339	P50A2	HANNAH WY	11/27/12	0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
1338	P50A2	JONAH WY	11/27/12	0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
1337	P50B2	JONAH WY	11/27/12	0	0	0	0	0	0	0	ok	JJA	SM	NO	0
1336	P50B2	ARIEL HOPE WY	11/27/12	01/25/12	100	75	3	3	20	20	ok	JJA	SM	NO	1
1335	P50B3	ISAAC ST	11/27/12	01/14/13	50	95	0	0	5	5	clean	JJA	SM	NO	0.75
PM	P50B2	OS ON WHITEWOOD DR/MHS			0	0	0	0	0	0		JJA	SM		0
1275	P50B2	JAYLENE ST	11/27/12	0	0	0	0	0	0	0	dirty manhole lid has bol	JJA	SM	NO	0
1276	P50B2	JAYLENE ST	11/27/12	0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
1273	P50B2	JAYLENE ST	11/27/12	0	0	0	0	0	0	0	dirty manhole lid has bol	JJA	SM	NO	0
1274	P50B2	JAYLENE ST	11/27/12	0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
1277	P50B2	WHITEWOOD DR	11/27/12	0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
1334	P50B2	WHITEWOOD DR	11/27/12	01/14/13	50	100	0	0	0	0	clean	JJA	SM	NO	0.75
P	P48B3	MEADOWLANE CONDOS			0	0	0	0	0	0		JJA	SM		0
P	P48B3	MEADOWLANE CONDOS			0	0	0	0	0	0		JJA	SM		0
P	P48B3	MEADOWLANE CONDOS			0	0	0	0	0	0		JJA	SM		0
P	P48B3	MEADOWLANE CONDOS			0	0	0	0	0	0		JJA	SM		0
P	P48B3	MEADOWLANE CONDOS			0	0	0	0	0	0		JJA	SM		0
P	P48B2	AMBERWALK@IVY			0	0	0	0	0	0		JJA	SM		0
P	P48B2	AMBERWALK@IVY			0	0	0	0	0	0		JJA	SM		0
P	P48B2	AMBERWALK@IVY			0	0	0	0	0	0		JJA	SM		0
P	P48B2	AMBERWALK@IVY			0	0	0	0	0	0		JJA	SM		0
P	P48B2	AMBERWALK@IVY			0	0	0	0	0	0		JJA	SM		0
P	P40C4	MURRIETA SPRINGS PLAZA			0	0	0	0	0	0		JJA	SM		0
P	P40C4	MURRIETA SPRINGS PLAZA			0	0	0	0	0	0		JJA	SM		0
P	P48C1	MURRIETA SPRINGS PLAZA			0	0	0	0	0	0		JJA	SM		0
P	P40C4	MULLIGAN FAMILY FUN CENTER			0	0	0	0	0	0		JJA	SM		0
94	P40B3	MADISON AVE	11/26/12	0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1	P40B3	JUNIPER ST	11/26/12	0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
2	P40B3	JUNIPER ST	11/26/12	0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
95	P40B2	MADISON AVE	11/26/12	09/15/11	0	0	0	0	0	0	drain removed (construc	JJA	SM		0
685	P40B2	MADISON AVE	11/26/12	0	0	0	0	0	0	0	dirty, needs stencil	JJA	SM	YES	0
P	P40B2	CAL OAKS PLAZA			0	0	0	0	0	0		JJA	SM		0

	P39B1	DAVIDSON ST			0	0	0	0	0	0		UNK	SM		0
	P39B1	GRAFTON AVE			0	0	0	0	0	0		UNK	SM		0
	P39B1	DAVIDSON ST			0	0	0	0	0	0		UNK	SM		0
1046	P30A3	ADAMS AVE	11/19/12	03/15/11	150	98	1	2	0	0	ok	JJA	SM	YES	1.5
1047	P30A3	HOLSTED AVE	11/19/12	03/16/11	150	98	1	2	0	0	dirty	JJA	SM	YES	1.5
1048	P30A3	HOLSTED AVE	11/19/12	03/16/11	140	95	1	5	0	0	dirty	JJA	SM	YES	1.5
1049	P30A3	HOLSTED AVE	11/19/12	03/16/11	100	99	1	1	0	0	dirty	JJA	SM	YES	1.5
1050	P30A3	HOLSTED AVE	11/19/12	03/15/11	125	95	1	5	0	0	dirty	JJA	SM	YES	1.5
1051	P30A2	HOLSTED AVE	11/19/12	03/15/11	200	90	1	10	0	0	dirty	JJA	SM	YES	1.5
1053	P30A4	HOLLISTER LN	11/19/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
1052	P30A4	HOLLISTER LN	11/19/12	02/14/13	185	75	10	20	5	5		JJA	SM	YES	1.75
1413	P30A3	COSTA MESA WY	11/19/12		0	0	0	0	0	0	dirty, new rain/drain dot	JJA	SM	YES	0
1414	P30A3	COSTA MESA WY	11/19/12		0	0	0	0	0	0	dirty, new rain drain dot	JJA	SM	YES	0
909	P30A4	NOELLE AVE	11/19/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
908	P30A4	NOELLE AVE	11/19/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
910	P30A4	MAGNOLIA ST	11/19/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
889	P39A1	MAGNOLIA ST	11/19/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
P	P39B2	OFF OF WASHINGTON			0	0	0	0	0	0		JJA	SM		0
P	P39B2	OFF OF WASHINGTON			0	0	0	0	0	0		JJA	SM		0
P	P39B2	OFF OF WASHINGTON			0	0	0	0	0	0		JJA	SM		0
P	P39B2	OFF OF WASHINGTON			0	0	0	0	0	0		JJA	SM		0
P	P39B2	OFF OF WASHINGTON			0	0	0	0	0	0		JJA	SM		0
P	P39B2	OFF OF WASHINGTON			0	0	0	0	0	0		JJA	SM		0
1102	P39B3	WASHINGTON AVE	11/26/12	10/22/12	85	100	0	0	0	0	ok	JJA	SM	YES	1
987	P47C1	WASHINGTON AVE	11/26/12	10/22/12	115	95	1	5	0	0	ok	JJA	SM	YES	1
687	P48D2	MADISON AVE	11/26/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
686	P48D2	MADISON AVE	11/26/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
1382	P4A4	KELLER RD	12/03/12		0	0	0	0	0	0	ok	JJA	SM		0
1392	P9A3	LINNEL LN	11/14/12	09/01/11	90	90	10	10	0	0	dirty	JJA	SM	YES	1
1393	P9A3	LINNEL LN	11/14/12		0	0	0	0	0	0	dirty, missing grate	JJA	SM	NO	0
1397	P9D4	MEADOWLARK LN	01/26/11	01/26/11	0	0	0	0	0	0	drain being removed for	JJA	SM		0.25
1396	P9D4	MEADOWLARK LN	08/22/11	01/26/11	60	60	10	10	30	30	ok	JJA	SM	YES	1
1394	P9D4	LEE LN	11/14/12	01/26/11	125	70	25	15	25	15	dirty	JJA	SM	YES	1
1395	P9D4	LEE LN	11/14/12	01/26/11	175	85	5	5	20	10	dirty	JJA	SM	YES	1.25
1358	P13D2	MC ELWAIN RD	11/14/12	01/27/11	0	0	0	0	0	0	dirty, needs # dot filter d	JJA	SM	NO	0.25
1357	P13D2	MC ELWAIN RD	11/14/12	01/27/11	0	0	0	0	0	0	dirty, new rain/drain dot	JJA	SM	NO	0.25
1391	P13D2	CLINTON KEITH RD	12/06/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
953	P14B2	CREIGHTON AVE	08/29/11		0	0	0	0	0	0	ok	JJA	SM	NO	0
952	P14B2	CREIGHTON AVE	08/29/11		0	0	0	0	0	0	ok	JJA	SM	NO	0
951	P14C2	CLINTON KEITH RD	12/04/12		0	0	0	0	0	0	ok	JJA	SM	NO	0
950	P14D2	WHITEWOOD RD	12/04/12		0	0	0	0	0	0	dirty	JJA	SM	YES	0
1263	P24B1	WHITEWOOD RD	12/04/12		0	0	0	0	0	0	ok	JJA	SM		0

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1264	P24B1	WHITEWOOD RD		12/04/12		0	0	0	0	0	0	0	ok	JJA	SM	NO	0
1262	P14B4	WHITEWOOD RD		12/04/12		0	0	0	0	0	0	0	ok	JJA	SM	NO	0
948	P14C3	WHITEWOOD RD		12/04/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
949	P14C3	WHITEWOOD RD		12/04/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
928	P21A2	ARRON CT		11/13/12	12/12/12	50	85	5	15	0	0	0	clean	JJA	SM	NO	1
927	P21A2	ARRON CT		11/13/12	12/12/12	75	90	5	10	0	0	0	clean	JJA	SM	NO	1
929	P21A2	ARRON CT		11/13/12		0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
930	P21A2	ARRON CT		11/13/12	02/14/12	90	90	0	0	10	10	0	ok	JJA	SM	NO	1
925	P21A2	ELIZABETH LN		11/13/12		0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
926	P21A2	ELIZABETH LN		11/13/12		0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
923	P21A2	OAK CREEK RD		11/13/12	12/11/12	80	95	10	5	0	0	0	clean	JJA	SM	NO	1
922	P21A2	OAK CREEK RD		11/13/12	12/11/12	90	98	3	2	0	0	0	clean	JJA	SM	NO	1
924	P21A2	BOUVIER CT		11/13/12	12/11/12	150	98	5	2	0	0	0	clean	JJA	SM	NO	1.5
920	P21A3	ROBARDS WY		11/13/12		0	0	0	0	0	0	0	dirty	JJA	SM		0
868	P21B4	CORK OAK CIR		11/13/12		0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
968	P21B1	JACKSON AVE		08/30/11	12/12/12	270	85	5	5	20	10	0	clean	JJA	SM	NO	2
1132	P21C2	CARLY CT	11/13/12	11/13/12		0	0	0	0	0	0	0	ok	JJA	SM		0
1131	P21D1	PINNIE CIR		11/13/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
P	P22A3	CALLE ALAMORIO				0	0	0	0	0	0	0		JJA	SM		0
103	P22D3	CALIFORNIA OAKS RD		12/04/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
151	P21D1	NUTMEG ST		12/06/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
33	P19B4	CLINTON KEITH RD		11/20/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
237	P23A4	LAS BRISAS RD		11/19/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
238	P23A4	LAS BRISAS RD		11/19/12	04/08/13	20	100	0	0	0	0	0		JJA	SM	NO	0.5
1178	P28A3	CHANTORY ST		11/20/12	03/09/11	200	98	4	2	0	0	0	dirty	JJA	SM	YES	1
1176	P28A3	MONTANYA PL		11/20/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1177	P28A3	MONTANYA PL		11/20/12	03/09/11	500	100	0	0	0	0	0	dirty	JJA	SM	YES	1.5
1174	P28A3	MONTANYA PL		09/22/11		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1175	P28A3	MONTANYA PL		11/20/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1173	P28A3	MONTANYA PL		11/20/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1171	P28A3	MONTANYA PL		11/20/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1172	P28A3	MONTANYA PL		11/20/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
563	P28D1	WINDSOR CT		11/20/12		0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
562	P29A3	ASPEN DR		11/20/12		0	0	0	0	0	0	0	ok, needs a steni	JJA	SM		0
560	P29A3	ASPEN DR		11/20/12		0	0	0	0	0	0	0	ok	JJA	SM		0
561	P29A3	ASPEN DR		11/20/12		0	0	0	0	0	0	0	ok	JJA	SM		0
1184	P29A3	KAREN PL		11/20/12		0	0	0	0	0	0	0	ok	JJA	SM	YES	0
1185	P29A3	KAREN PL		11/20/12		0	0	0	0	0	0	0	dirty, needs stencil	JJA	SM	YES	0
1056	P30A2	JEFFERSON AVE		11/19/12		0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
34	P30A2	JEFFERSON AVE		11/13/12		0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
550	P30C4	JEFFERSON AVE		11/26/12		0	0	0	0	0	0	0	bolts stripped "attempter	JJA	SM	NO	0
112	P31A2	JACKSON AVE		11/14/12		0	0	0	0	0	0	0	dirty	JJA	SM		0

115	P31A2	JACKSON AVE		11/14/12		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty	JJA	SM		0
116	P31B3	JACKSON AVE		11/14/12		0	0	0	0	0	0	0	0	0	0	0	0	0	ok, bolts	JJA	SM		0
104	P31C1	CALIFORNIA OAKS RD		12/04/12		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
270	P31D3	VIA SONORO		11/19/12		0	0	0	0	0	0	0	0	0	0	0	0	0	ok	JJA	SM	NO	0
268	P31D3	VIA REATA		11/19/12		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
249	P32B3	HANCOCK AVE	10/02/12	11/19/12		10	70	10	15	15	15	15	15	15	15	15	15	15	dirty	JJA	SM	NO	1
1419	P34B4	HUNTER RD		12/03/12		0	0	0	0	0	0	0	0	0	0	0	0	0	ok	JJA	SM	NO	0
570	P38A1	MURRIETA CREEK DR		11/20/12		0	0	0	0	0	0	0	0	0	0	0	0	0	ok, needs stencil	JJA	SM	NO	0.25
571	P38A2	MURRIETA CREEK DR		11/20/12		0	0	0	0	0	0	0	0	0	0	0	0	0	ok, needs stencil	JJA	SM	NO	0.25
1345	P38D4	HAYES AVE		11/20/12		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
701	P38D2	NIGHTHAWK WY		11/20/12	10/25/12	110	100	0	0	0	0	0	0	0	0	0	0	0	ok	JJA	SM	NO	1
1347	P39A4	VINEYARD PKY		09/20/11		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
489	P39C2	LEMON ST		09/20/11		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
1379	P39D4	KALMIA, OFF TOWN SQUARE		11/26/12		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty	JJA	SM		0
1320	P40A3	JEFFERSON AVE		11/26/12		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
1321	P40A3	JEFFERSON AVE		11/26/12		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty	JJA	SM	NO	0
1427	P40A4	SENIOR CENTER		09/20/11		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1426	P40A4	SENIOR CENTER		09/20/11		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty, replaced stencil	JJA	SM	YES	0
1374	P40A4	JUNIPER ST		11/26/12		0	0	0	0	0	0	0	0	0	0	0	0	0	incorrect location, dirty	JJA	SM	YES	0
1375	P40A4	JUNIPER ST		09/19/11		0	0	0	0	0	0	0	0	0	0	0	0	0	incorrect location, dirty	JJA	SM	YES	0
1220	P40D3	LOS ALAMOS RD		12/04/12		0	0	0	0	0	0	0	0	0	0	0	0	0	ok	JJA	SM	NO	0
1057	P41A2	LOS ALAMOS RD		12/04/12		0	0	0	0	0	0	0	0	0	0	0	0	0	ok	JJA	SM	NO	0
1350	P41B1	VISTA MURRIETA RD		11/28/12		0	0	0	0	0	0	0	0	0	0	0	0	0	Dirty	JJA	SM	YES	0
1349	P41B2	VISTA MURRIETA RD		11/28/12		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
DELET	P41B2	VISTA MURRIETA RD				0	0	0	0	0	0	0	0	0	0	0	0	0		JJA	SM		0
1195	P43C4	MEMBERS CLUB DR		07/26/11		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1061	P43D3	ROBERT TRENT JONES PKY		12/03/12		0	0	0	0	0	0	0	0	0	0	0	0	0	ok	JJA	SM	NO	0
1060	P43D3	ROBERT TRENT JONES PKY		12/03/12		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1344	P46D1	HAYES AVE		11/20/12		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1346	P46D1	VINEYARD PKY		11/26/12		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty	JJA	SM	YES	0
1400	P47C2	B ST		11/26/12		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty	JJA	SM		0
1399	P47C2	B ST		11/26/12		0	0	0	0	0	0	0	0	0	0	0	0	0	dirty	JJA	SM		0
1405	P47C2	JUNIPER ST		11/26/12		0	0	0	0	0	0	0	0	0	0	0	0	0	ok	JJA	SM		0
1388	P47D2	C ST		11/26/12		0	0	0	0	0	0	0	0	0	0	0	0	0		JJA	SM		0
1389	P47D3	C ST		11/26/12		0	0	0	0	0	0	0	0	0	0	0	0	0	ok	JJA	SM		0
1390	P47C3	C ST				0	0	0	0	0	0	0	0	0	0	0	0	0		JJA	SM		0
1407	P47D2	C ST		11/26/12		0	0	0	0	0	0	0	0	0	0	0	0	0	ok	JJA	SM		0
1406	P47D2	1ST AVE		11/26/12		0	0	0	0	0	0	0	0	0	0	0	0	0	ok	JJA	SM		0
984	P47D2	WASHINGTON AVE		11/26/12	10/18/12	75	82	2	1	15	17	17	17	17	17	17	17	17	ok	JJA	SM	YES	0.75
1095	P47D2	WASHINGTON AVE		11/26/12	10/17/12	120	85	0	0	10	15	15	15	15	15	15	15	15	ok	JJA	SM	YES	1
1410	P47D2	C ST				0	0	0	0	0	0	0	0	0	0	0	0	0		JJA	SM		0
983	P47D2	WASHINGTON AVE		11/26/12	10/18/12	60	60	0	0	40	40	40	40	40	40	40	40	40	ok	JJA	SM	YES	0.75

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1094	P47D2	WASHINGTON AVE	11/26/12	10/17/12	115	95	1	1	5	4 ok	JJA	SM	YES	1
989	P47D2	WASHINGTON AVE	11/26/12	10/17/12	150	95	1	2	10	3 ok	JJA	SM	YES	1
1099	P47D2	WASHINGTON AVE	11/26/12	10/17/12	120	90	1	1	5	9 ok	JJA	SM	YES	1
990	P47D2	WASHINGTON AVE	11/26/12	10/17/12	125	90	0	0	10	10 ok	JJA	SM	YES	1
1098	P47D2	WASHINGTON AVE	11/26/12	10/18/12	130	75	0	0	45	25 ok	JJA	SM	YES	1
1097	P47D1	WASHINGTON AVE	11/26/12	10/17/12	130	90	0	0	10	10 ok	JJA	SM	YES	1
1428	P47D1	ADAMS/B ST	09/20/11	01/10/12	0	0	0	0	0	0 rinsed/clean	UNK	SM	NO	0.25
1373	P48A2	ADAMS AVE	11/26/12		0	0	0	0	0	0 dirty	JJA	SM	YES	0
1370	P48A2	ADAMS AVE	11/26/12		0	0	0	0	0	0 dirty	JJA	SM	YES	0
1371	P48A2	IVY ST	11/26/12		0	0	0	0	0	0 dirty	JJA	SM	YES	0
1372	P48A2	IVY ST	11/26/12		0	0	0	0	0	0 ok	JJA	SM	NO	0
1386	P48A2	PLUM AVE	11/26/12		0	0	0	0	0	0 dirty	JJA	SM		0
1387	P48A2	PLUM AVE	11/26/12		0	0	0	0	0	0 dirty	JJA	SM		0
1170	P48A3	IVY ST	11/26/12		0	0	0	0	0	0 ok	JJA	SM	YES	0
1100	P48A3	WASHINGTON AVE	11/26/12	10/17/12	125	90	1	5	5	5 ok	JJA	SM	YES	7
1348	P48B1	IVY ST	11/26/12		0	0	0	0	0	0 ok	JJA	SM	NO	0
1328	P48B1	LOS ALAMOS RD	12/04/12		0	0	0	0	0	0 dirty	JJA	SM	YES	0
91	P48D2	MADISON AVE	11/26/12		0	0	0	0	0	0 dirty	JJA	SM	YES	0
85	P48D2	MURRIETA HOT SPRINGS RD	12/04/12		0	0	0	0	0	0 dirty	JJA	SM	YES	0
1398	P49B1	MEDICAL CENTER DR	11/28/12		0	0	0	0	0	0 dirty	JJA	SM	YES	0
429	P49D1	MURRIETA HOT SPRINGS RD	12/04/12		0	0	0	0	0	0 dirty	JJA	SM	NO	0
	P49D1	MURRIETA HOT SPRINGS RD			0	0	0	0	0	0	UNK	SM		0
CT	P49D1	215 N/B OFF RAMP			0	0	0	0	0	0	JJA	SM		0
1017	P49D3	JACKSON AVE	11/27/12		0	0	0	0	0	0 dirty, repaired guardbar	JJA	SM		0
1016	P49D3	JACKSON AVE	11/27/12		0	0	0	0	0	0 ok	JJA	SM		0
1058	P50A1	MURRIETA HOT SPRINGS RD	12/04/12		0	0	0	0	0	0 dirty	JJA	SM	NO	0
430	P50A1	MURRIETA HOT SPRINGS RD	12/04/12		0	0	0	0	0	0 ok	JJA	SM		0
1278	P50B1	MURRIETA HOT SPRINGS RD	12/04/12		0	0	0	0	0	0 ok	JJA	SM	NO	0
649	P50C1	MURRIETA HOT SPRINGS RD	12/04/12		0	0	0	0	0	0 dirty	JJA	SM		0
360	P50C2	WHITEWOOD RD	12/04/12		0	0	0	0	0	0 dirty	JJA	SM	YES	0
359	P50C2	WHITEWOOD RD	12/04/12		0	0	0	0	0	0 dirty	JJA	SM	YES	0
1330	P50C2	MURRIETA HOT SPRINGS RD	08/22/11		0	0	0	0	0	0 dirty	JJA	SM	NO	0
1024	P50C2	SAVANNA WY	11/27/12		0	0	0	0	0	0 dirty	JJA	SM	NO	0
1023	P50C2	SAVANNA WY			0	0	0	0	0	0 dirty	JJA	SM	NO	0
1058	P50C4	ISHERWOOD ST	11/27/12		0	0	0	0	0	0 dirty, replaced missing g	JJA	SM		0
1026	P50D2	CASTLE LN	11/27/12		0	0	0	0	0	0 dirty	JJA	SM	NO	0
1027	P50D2	CASTLE LN	11/27/12		0	0	0	0	0	0 bolts stripped "attempter	JJA	SM	NO	0
647	P50D1	MURRIETA HOT SPRINGS RD	12/04/12		0	0	0	0	0	0 ok	JJA	SM	NO	0
647	P50D1	MURRIETA HOT SPRINGS RD	12/04/12		0	0	0	0	0	0 ok	JJA	SM		0
430	P50D1	MURRIETA HOT SPRINGS RD	12/04/12		0	0	0	0	0	0 ok	JJA	SM	NO	0
1377	P50D1	MURRIETA HOT SPRINGS RD	12/04/12		0	0	0	0	0	0 dirty	JJA	SM	NO	0
679	P51A1	MARGARITA RD	11/27/12		0	0	0	0	0	0 dirty	JJA	SM	NO	0



681	P51A1	MARGARITA RD	11/27/12		0	0	0	0	0	0	0 ok	JJA	SM		0
653	P51A3	SAINT MICHEL LN	11/27/12		0	0	0	0	0	0	0 dirty	JJA	SM	NO	0
652	P51A3	SAINT MICHEL LN	11/27/12		0	0	0	0	0	0	0 dirty	JJA	SM	NO	0
1025	P51A3	CASTLE LN	11/27/12		0	0	0	0	0	0	0 ok	JJA	SM	NO	0
1020	P51A3	PALM TREE LN	11/27/12		0	0	0	0	0	0	0 ok	JJA	SM	NO	0
1021	P51A3	PALM TREE LN	11/27/12		0	0	0	0	0	0	0 ok	JJA	SM	NO	0
651	P51A4	CLEMENTS WY	11/27/12		0	0	0	0	0	0	0 ok	JJA	SM	NO	0
650	P51A4	CLEMENTS WY	11/27/12		0	0	0	0	0	0	0 ok	JJA	SM	NO	0
654	P51B2	SAINT HONORE DR	11/27/12		0	0	0	0	0	0	0 ok	JJA	SM	NO	0
1411	P51B1	MURRIETA HOT SPRINGS RD	12/04/12		0	0	0	0	0	0	0 dirty	JJA	SM	NO	0
645	P51B1	MURRIETA HOT SPRINGS RD	12/04/12		0	0	0	0	0	0	0 drain removed	JJA	SM	NO	0
1421	P51B1	VIA PRINCESA	12/03/12		0	0	0	0	0	0	0 ok	JJA	SM	YES	0
1422	P51B1	VIA PRINCESA	12/03/12		0	0	0	0	0	0	0 ok	JJA	SM		0
1029	P51C2	WINCHESTER CREEK AVE	11/27/12		0	0	0	0	0	0	0 ok	JJA	SM	NO	0
1030	P51C2	WINCHESTER CREEK AVE	11/27/12		0	0	0	0	0	0	0 dirty	JJA	SM	NO	0
678	P51C4	BAHAMA WY	11/27/12	08/23/12	150	98	1	2	0	0	0 ok	JJA	SM	NO	1
677	P51C4	BAHAMA WY	11/27/12		0	0	0	0	0	0	0 ok	JJA	SM	NO	0
675	P51C4	SABA CT	11/27/12		0	0	0	0	0	0	0 ok	JJA	SM		0
673	P51C4	BONAIRE WY	11/27/12		0	0	0	0	0	0	0 ok	JJA	SM	NO	0
1383	P55C1	CHAMPLAIN AVE	09/19/11		0	0	0	0	0	0	0 dirty	JJA	SM	YES	0
DELET	P55C1	CHAMPLAIN AVE			0	0	0	0	0	0	0	JJA	SM		0
1402	P55C1	BROWN ST			0	0	0	0	0	0	0	JJA	SM		0
1183	P55B4	GUAVA ST			0	0	0	0	0	0	0	JJA	SM		0
991	P56A1	GUAVA ST			0	0	0	0	0	0	0	JJA	SM		0
992	P56A1	JEFFERSON AVE	11/26/12		0	0	0	0	0	0	0 drain closed	JJA	SM		0
1351	P56A1	GUAVA ST			0	0	0	0	0	0	0	JJA	SM		0
1423	P57B1	SUGARBERRY LN	11/27/12		0	0	0	0	0	0	0 ok	JJA	SM	NO	0
1404	P58B1	DATE ST	07/26/11		0	0	0	0	0	0	0 dirty	JJA	SM	NO	0
670	P58B1	MONSERATT CT	11/27/12		0	0	0	0	0	0	0 ok, replaced stencil	JJA	SM	NO	0
669	P58C1	MONSERATT CT	11/27/12		0	0	0	0	0	0	0 ok	JJA	SM	NO	0
670	P58B1	MONSERATT CT	11/27/12		0	0	0	0	0	0	0 ok	JJA	SM	NO	0
672	P58C1	BONAIRE WY	11/27/12	08/29/12	20	90	2	10	0	0	0 ok	JJA	SM	NO	0.5
671	P58C1	BONAIRE WY	11/27/12		0	0	0	0	0	0	0 ok	JJA	SM	NO	0
1221	P62A3	JEFFERSON AVE	11/26/12		0	0	0	0	0	0	0 dirty	JJA	SM	YES	0
972	P62B2	AUTO MALL PKY	11/26/12	02/14/12	150	95	1	5	0	0	0 ok	JJA	SM	YES	2.5
971	P62B2	AUTO MALL PKY	11/26/12	02/14/12	450	95	5	5	0	0	0 ok	JJA	SM	YES	2.5
254	P32C3	HANCOCK @ LAS BRISAS S	11/19/12		0	0	0	0	0	0	0 dirty				0
255	P32C3	HANCOCK @ LAS BRISAS S	11/19/12		0	0	0	0	0	0	0 ok			NO	0
253	P32C3	HANCOCK @ COLISEUM	11/19/12		0	0	0	0	0	0	0 dirty			NO	0
267	P32 A3	VIA REATA	11/19/12		0	0	0	0	0	0	0 ok			NO	0
1352	P41B2	VISTA MURRIETA RD	11/28/12		0	0	0	0	0	0	0 dirty			YES	0
1455	P41A2	EAST BOUND LOS ALAMOS	09/19/11		0	0	0	0	0	0	0 dirty			YES	0

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1418	P41A2	E/B LOS ALAMOS/VISTA MURRIET	12/04/12		0	0	0	0	0	0	0	ok	YES	0
328	P32D2	W/B LOS ALAMOS	09/19/11		0	0	0	0	0	0	0	dirty	NO	0
1096	P39C4	WASHINGTON AVE	11/26/12	10/25/12	105	100	0	0	0	0	0	ok	YES	1
0031	P28A3	CLINTON KIETH	11/20/12		0	0	0	0	0	0	0	ok	YES	0
1457	P40 D3	MONROE @ LOS ALAMOS	09/22/11	10/24/11	200	99	2	1	0	0	0	installed # dot/ filter dot/ stencil/ dirty/	YES	2
1458	P40 D3	MONROE @ LOS ALAMOS	09/22/11		0	0	0	0	0	0	0	installed # dot/ stencil/ bolts/ dirty	NO	0
1445	1	SANDY	12/03/12	10/12/11	10	100	0	0	0	0	0	ok	NO	0.5
1446	1	SANDY	12/03/12	10/12/11	10	100	0	0	0	0	0	ok	NO	0.5
1451	1	KERI LYNN AVE	08/25/11	10/12/11	0	0	0	0	75	100	dirty/ ok	NO	0.75	
1450	1	KERI LYNN	12/03/12	10/12/11	100	98	1	1	2	1	1	ok	NO	1
1448	1	SANDY AVE	12/03/12	10/12/11	50	98	1	2	0	0	0	ok	NO	0.75
1447	1	SANDY AVE	12/03/12	10/12/11	50	100	0	0	0	0	0	ok	NO	0.75
1449	1	SANDY AVE	12/03/12	10/12/11	5	100	0	0	0	0	0	ok	NO	0.5
1436	P13A2	RENATA (MURRIETA HEIGHTS EN	11/14/12	10/20/11	100	90	0	0	1	10	10	ok	YES	1
1022	P50C2	SCHAFFER DR	11/27/12		0	0	0	0	0	0	0	dirty	NO	0

**3. MUNICIPAL
(SECTION F.3 of ORDER NO. R9-2010-0016)**

ATTACHMENT C

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: CITY HALL

REPORTED BY: *[Signature]*

DATE: 5-21-14

A. TREES	B. SHRUBS/VINES	C. GROUNDCOVER																																										
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<input type="checkbox"/> <input type="checkbox"/>	3) Tot Lots/Play Area _____	<input type="checkbox"/> <input type="checkbox"/>	9) Fencing/walls _____																																									
<input checked="" type="checkbox"/> <input type="checkbox"/>	4) Hardscape/Sidewalk _____	<input type="checkbox"/> <input type="checkbox"/>	10) Parking Lots _____																																									
<input type="checkbox"/> <input type="checkbox"/>	5) Trails/Surfacing _____	<input type="checkbox"/> <input type="checkbox"/>	11) Lighting _____																																									
<input checked="" type="checkbox"/> <input type="checkbox"/>	6) Drainage/V-ditches _____	<input type="checkbox"/> <input type="checkbox"/>	12) Tables/Benches _____																																									
F. IRRIGATION	G. OTHER																																											
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<input type="checkbox"/> <input type="checkbox"/>	6) Headwalls _____	<input type="checkbox"/> <input type="checkbox"/>	12) Other _____																																									

Comments: *Looks Good*

Extra Work Requested: _____

Follow-up: _____

"A" = Acceptable "U" = Unacceptable

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: BEAR VALLEY PARK - 2

REPORTED BY: *CM*

DATE: *5-21-14*

A. TREES	B. SHRUBS/VINES	C. GROUNDCOVER
<p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Pruned _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 2) Staking/Guying _____</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 3) Stressed/Dying _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 4) Rodents _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 5) Tree Wells _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 6) Other _____</p>	<p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Pruned _____</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 2) Stressed/Dying _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 3) Weed Abatement _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 4) Rodents _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 5) Other _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 6) Other _____</p>	<p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Trimmed _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 2) Stressed/Dying _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 3) Weed Abatement _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 4) Rodents _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 5) Other _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 6) Other _____</p>
D. TURF	E. FACILITIES	F. OTHER
<p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Mowing/Edging _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 2) Weed/Abatement _____</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 3) Stressed/Dying _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 4) Rodents _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 5) Other _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 6) Other _____</p>	<p><input type="checkbox"/> <input type="checkbox"/> 1) Ball Field Prep _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 2) Fences _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 3) Trails/Surfacing _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 4) Hardscape/Sidewalk _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 5) Drainage/V-ditches _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 6) Other _____</p>	<p><input checked="" type="checkbox"/> <input type="checkbox"/> 1) Plant Replacement _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 2) Rodents _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 3) Litter Control _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 4) Erosion _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 5) Street Signs Visible? _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 6) Open Space _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 7) Other _____</p>
G. IRRIGATION	H. FERTILIZING	
<p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Spec Compliance _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 2) Moisture/Coverage _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 3) Heads/Valves _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 4) Clocks/Timers _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 5) Broken Mainline _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 6) Other _____</p>	<p><input type="checkbox"/> <input type="checkbox"/> 1) Medians _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 2) Turf _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 3) Groundcover _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 4) Planters _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 5) Other _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 6) Other _____</p>	

Comments: *Bare spots in turf*

Extra Work Requested: _____

Follow-up: _____

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: OAK TERRACE PARK

REPORTED BY: *msd*

DATE: *5-27-14*

A. TREES	B. SHRUBS/VINES	C. GROUNDCOVER																																																									
<table style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">A U</td> <td><input checked="" type="checkbox"/> <input type="checkbox"/></td> <td>1) Pruned _____</td> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/> <input type="checkbox"/></td> <td>2) Staking/Guying _____</td> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/> <input type="checkbox"/></td> <td>3) Stressed/Dying _____</td> </tr> <tr> <td></td> <td><input type="checkbox"/> <input type="checkbox"/></td> <td>4) Rodents _____</td> </tr> <tr> <td></td> <td><input type="checkbox"/> <input type="checkbox"/></td> <td>5) Tree Wells _____</td> </tr> <tr> <td></td> <td><input type="checkbox"/> <input type="checkbox"/></td> <td>6) Other _____</td> </tr> </table>	A U	<input checked="" type="checkbox"/> <input type="checkbox"/>	1) Pruned _____		<input checked="" type="checkbox"/> <input type="checkbox"/>	2) Staking/Guying _____		<input checked="" type="checkbox"/> <input type="checkbox"/>	3) Stressed/Dying _____		<input type="checkbox"/> <input type="checkbox"/>	4) Rodents _____		<input type="checkbox"/> <input type="checkbox"/>	5) Tree Wells _____		<input type="checkbox"/> <input type="checkbox"/>	6) Other _____	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">A U</td> <td><input checked="" type="checkbox"/> <input type="checkbox"/></td> <td>1) Pruned _____</td> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/> <input type="checkbox"/></td> <td>2) Stressed/Dying _____</td> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/> <input type="checkbox"/></td> <td>3) Weed Abatement _____</td> </tr> <tr> <td></td> <td><input type="checkbox"/> <input type="checkbox"/></td> <td>4) Rodents _____</td> </tr> <tr> <td></td> <td><input type="checkbox"/> <input type="checkbox"/></td> <td>5) Other _____</td> </tr> <tr> <td></td> <td><input type="checkbox"/> <input type="checkbox"/></td> <td>6) Other _____</td> </tr> </table>	A U	<input checked="" type="checkbox"/> <input type="checkbox"/>	1) Pruned _____		<input checked="" type="checkbox"/> <input type="checkbox"/>	2) Stressed/Dying _____		<input checked="" type="checkbox"/> <input type="checkbox"/>	3) Weed Abatement _____		<input type="checkbox"/> <input type="checkbox"/>	4) Rodents _____		<input type="checkbox"/> <input type="checkbox"/>	5) Other _____		<input type="checkbox"/> <input type="checkbox"/>	6) Other _____	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">A U</td> <td><input checked="" type="checkbox"/> <input type="checkbox"/></td> <td>1) Trimmed _____</td> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/> <input type="checkbox"/></td> <td>2) Stressed/Dying _____</td> </tr> <tr> <td></td> <td><input checked="" type="checkbox"/> <input type="checkbox"/></td> <td>3) Weed Abatement _____</td> </tr> <tr> <td></td> <td><input type="checkbox"/> <input type="checkbox"/></td> <td>4) Rodents _____</td> </tr> <tr> <td></td> <td><input type="checkbox"/> <input type="checkbox"/></td> <td>5) Other _____</td> </tr> <tr> <td></td> <td><input type="checkbox"/> <input type="checkbox"/></td> <td>6) Other _____</td> </tr> </table>	A U	<input checked="" type="checkbox"/> <input type="checkbox"/>	1) Trimmed _____		<input checked="" type="checkbox"/> <input type="checkbox"/>	2) Stressed/Dying _____		<input checked="" type="checkbox"/> <input type="checkbox"/>	3) Weed Abatement _____		<input type="checkbox"/> <input type="checkbox"/>	4) Rodents _____		<input type="checkbox"/> <input type="checkbox"/>	5) Other _____		<input type="checkbox"/> <input type="checkbox"/>	6) Other _____			
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	<input checked="" type="checkbox"/> <input type="checkbox"/>	3) Groundcover _____																																																									
	<input checked="" type="checkbox"/> <input type="checkbox"/>	4) Planters _____																																																									
	<input type="checkbox"/> <input type="checkbox"/>	5) Other _____																																																									
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Comments:

Extra Work Requested: _____

Follow-up: _____

"A" = Acceptable "U" = Unacceptable

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: COPPER CANYON PARK

REPORTED BY: *Mark*

DATE: *5-2-14*

A. TREES	B. SHRUBS/VINES	C. GROUNDCOVER
<input checked="" type="checkbox"/> <input type="checkbox"/> 1) Pruned _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 2) Staking/Guying _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 3) Stressed/Dying _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 4) Rodents _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 5) Tree Wells _____ <input type="checkbox"/> <input type="checkbox"/> 6) Other _____	<input checked="" type="checkbox"/> <input type="checkbox"/> 1) Pruned _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 2) Stressed/Dying _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 3) Weed Abatement _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 4) Rodents _____ <input type="checkbox"/> <input type="checkbox"/> 5) Other _____ <input type="checkbox"/> <input type="checkbox"/> 6) Other _____	<input type="checkbox"/> <input type="checkbox"/> 1) Trimmed _____ <input type="checkbox"/> <input type="checkbox"/> 2) Stressed/Dying _____ <input type="checkbox"/> <input type="checkbox"/> 3) Weed Abatement _____ <input type="checkbox"/> <input type="checkbox"/> 4) Rodents _____ <input type="checkbox"/> <input type="checkbox"/> 5) Other _____ <input type="checkbox"/> <input type="checkbox"/> 6) Other _____
D. TURF	E. FACILITIES	F. OTHER
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G. IRRIGATION	H. FERTILIZING	
<input type="checkbox"/> <input type="checkbox"/> 1) Spec Compliance _____ <input type="checkbox"/> <input type="checkbox"/> 2) Moisture/Coverage _____ <input type="checkbox"/> <input type="checkbox"/> 3) Heads/Valves _____ <input type="checkbox"/> <input type="checkbox"/> 4) Clocks/Timers _____ <input type="checkbox"/> <input type="checkbox"/> 5) Broken Mainline _____ <input type="checkbox"/> <input type="checkbox"/> 6) Other _____	<input type="checkbox"/> <input type="checkbox"/> 1) Medians _____ <input type="checkbox"/> <input checked="" type="checkbox"/> 2) Turf _____ <input type="checkbox"/> <input type="checkbox"/> 3) Groundcover _____ <input type="checkbox"/> <input type="checkbox"/> 4) Planters _____ <input type="checkbox"/> <input type="checkbox"/> 5) Other _____ <input type="checkbox"/> <input type="checkbox"/> 6) Other _____	

Comments:

Need fert.

Extra Work Requested: _____

Follow-up: _____

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: ANTELOPE HILLS PARK

REPORTED BY: *WMS*

DATE: *5-7-14*

A. TREES	B. SHRUBS/VINES	C. GROUNDCOVER																																						
<table border="0"> <tr><td><input checked="" type="checkbox"/> <input type="checkbox"/></td><td>1) Pruned _____</td></tr> <tr><td><input checked="" type="checkbox"/> <input type="checkbox"/></td><td>2) Staking/Guying _____</td></tr> <tr><td><input checked="" type="checkbox"/> <input type="checkbox"/></td><td>3) Stressed/Dying _____</td></tr> <tr><td><input checked="" type="checkbox"/> <input type="checkbox"/></td><td>4) Rodents _____</td></tr> <tr><td><input checked="" type="checkbox"/> <input type="checkbox"/></td><td>5) Tree Wells _____</td></tr> <tr><td><input type="checkbox"/> <input type="checkbox"/></td><td>6) Other _____</td></tr> </table>	<input checked="" type="checkbox"/> <input type="checkbox"/>	1) Pruned _____	<input checked="" type="checkbox"/> <input type="checkbox"/>	2) Staking/Guying _____	<input checked="" type="checkbox"/> <input type="checkbox"/>	3) Stressed/Dying _____	<input checked="" type="checkbox"/> <input type="checkbox"/>	4) Rodents _____	<input checked="" type="checkbox"/> <input type="checkbox"/>	5) Tree Wells _____	<input type="checkbox"/> <input type="checkbox"/>	6) Other _____	<table border="0"> <tr><td><input checked="" type="checkbox"/> <input type="checkbox"/></td><td>1) Pruned _____</td></tr> <tr><td><input checked="" type="checkbox"/> <input type="checkbox"/></td><td>2) Stressed/Dying _____</td></tr> <tr><td><input checked="" type="checkbox"/> <input type="checkbox"/></td><td>3) Weed Abatement _____</td></tr> <tr><td><input checked="" type="checkbox"/> <input type="checkbox"/></td><td>4) Rodents _____</td></tr> <tr><td><input type="checkbox"/> <input type="checkbox"/></td><td>5) Other _____</td></tr> <tr><td><input type="checkbox"/> <input type="checkbox"/></td><td>6) Other _____</td></tr> </table>	<input checked="" type="checkbox"/> <input type="checkbox"/>	1) Pruned _____	<input checked="" type="checkbox"/> <input type="checkbox"/>	2) Stressed/Dying _____	<input checked="" type="checkbox"/> <input type="checkbox"/>	3) Weed Abatement _____	<input checked="" type="checkbox"/> <input type="checkbox"/>	4) Rodents _____	<input type="checkbox"/> <input type="checkbox"/>	5) Other _____	<input type="checkbox"/> <input type="checkbox"/>	6) Other _____	<table border="0"> <tr><td><input checked="" type="checkbox"/> <input type="checkbox"/></td><td>1) Trimmed _____</td></tr> <tr><td><input checked="" type="checkbox"/> <input type="checkbox"/></td><td>2) Stressed/Dying _____</td></tr> <tr><td><input checked="" type="checkbox"/> <input type="checkbox"/></td><td>3) Weed Abatement _____</td></tr> <tr><td><input checked="" type="checkbox"/> <input type="checkbox"/></td><td>4) Rodents _____</td></tr> <tr><td><input type="checkbox"/> <input type="checkbox"/></td><td>5) Other _____</td></tr> <tr><td><input type="checkbox"/> <input type="checkbox"/></td><td>6) Other _____</td></tr> </table>	<input checked="" type="checkbox"/> <input type="checkbox"/>	1) Trimmed _____	<input checked="" type="checkbox"/> <input type="checkbox"/>	2) Stressed/Dying _____	<input checked="" type="checkbox"/> <input type="checkbox"/>	3) Weed Abatement _____	<input checked="" type="checkbox"/> <input type="checkbox"/>	4) Rodents _____	<input type="checkbox"/> <input type="checkbox"/>	5) Other _____	<input type="checkbox"/> <input type="checkbox"/>	6) Other _____		
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D. TURF	E. FACILITIES	F. OTHER																																						
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G. IRRIGATION	H. FERTILIZING																																							
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Comments:

Turf Bare area.

Extra Work Requested: _____

Follow-up: _____

"A" = Acceptable "U" = Unacceptable

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: BARRATT PARK																								
REPORTED BY: <u>HL</u>		DATE: <u>5-12-14</u>																						
A. TREES	B. SHRUBS/VINES	C. GROUNDCOVER																						
<table style="width:100%; border-collapse: collapse;"> <tr><td style="text-align: center;">A U</td></tr> <tr><td><input checked="" type="checkbox"/> <input type="checkbox"/> 1) Pruned _____</td></tr> <tr><td><input type="checkbox"/> <input type="checkbox"/> 2) Staking/Guying _____</td></tr> <tr><td><input checked="" type="checkbox"/> <input type="checkbox"/> 3) Stressed/Dying _____</td></tr> <tr><td><input checked="" type="checkbox"/> <input type="checkbox"/> 4) Rodents _____</td></tr> <tr><td><input checked="" type="checkbox"/> <input type="checkbox"/> 5) Tree Wells _____</td></tr> <tr><td><input type="checkbox"/> <input type="checkbox"/> 6) Other _____</td></tr> </table>	A U	<input checked="" type="checkbox"/> <input type="checkbox"/> 1) Pruned _____	<input type="checkbox"/> <input type="checkbox"/> 2) Staking/Guying _____	<input checked="" type="checkbox"/> <input type="checkbox"/> 3) Stressed/Dying _____	<input checked="" type="checkbox"/> <input type="checkbox"/> 4) Rodents _____	<input checked="" type="checkbox"/> <input type="checkbox"/> 5) Tree Wells _____	<input type="checkbox"/> <input type="checkbox"/> 6) Other _____	<table style="width:100%; border-collapse: collapse;"> <tr><td style="text-align: center;">A U</td></tr> <tr><td><input checked="" type="checkbox"/> <input type="checkbox"/> 1) Pruned _____</td></tr> <tr><td><input checked="" type="checkbox"/> <input type="checkbox"/> 2) Stressed/Dying _____</td></tr> <tr><td><input checked="" type="checkbox"/> <input type="checkbox"/> 3) Weed Abatement _____</td></tr> <tr><td><input checked="" type="checkbox"/> <input type="checkbox"/> 4) Rodents _____</td></tr> <tr><td><input type="checkbox"/> <input type="checkbox"/> 5) Other _____</td></tr> <tr><td><input type="checkbox"/> <input type="checkbox"/> 6) Other _____</td></tr> </table>	A U	<input checked="" type="checkbox"/> <input type="checkbox"/> 1) Pruned _____	<input checked="" type="checkbox"/> <input type="checkbox"/> 2) Stressed/Dying _____	<input checked="" type="checkbox"/> <input type="checkbox"/> 3) Weed Abatement _____	<input checked="" type="checkbox"/> <input type="checkbox"/> 4) Rodents _____	<input type="checkbox"/> <input type="checkbox"/> 5) Other _____	<input type="checkbox"/> <input type="checkbox"/> 6) Other _____	<table style="width:100%; border-collapse: collapse;"> <tr><td style="text-align: center;">A U</td></tr> <tr><td><input checked="" type="checkbox"/> <input type="checkbox"/> 1) Trimmed _____</td></tr> <tr><td><input checked="" type="checkbox"/> <input type="checkbox"/> 2) Stressed/Dying _____</td></tr> <tr><td><input checked="" type="checkbox"/> <input type="checkbox"/> 3) Weed Abatement _____</td></tr> <tr><td><input checked="" type="checkbox"/> <input type="checkbox"/> 4) Rodents _____</td></tr> <tr><td><input type="checkbox"/> <input type="checkbox"/> 5) Other _____</td></tr> <tr><td><input type="checkbox"/> <input type="checkbox"/> 6) Other _____</td></tr> </table>	A U	<input checked="" type="checkbox"/> <input type="checkbox"/> 1) Trimmed _____	<input checked="" type="checkbox"/> <input type="checkbox"/> 2) Stressed/Dying _____	<input checked="" type="checkbox"/> <input type="checkbox"/> 3) Weed Abatement _____	<input checked="" type="checkbox"/> <input type="checkbox"/> 4) Rodents _____	<input type="checkbox"/> <input type="checkbox"/> 5) Other _____	<input type="checkbox"/> <input type="checkbox"/> 6) Other _____	
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Extra Work Requested: _____

Follow-up: _____

"A" = Acceptable "U" = Unacceptable

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: BLACKMORE RANCH PARK																																																																				
REPORTED BY: <u>WLD</u>		DATE: <u>5-12-14</u>																																																																		
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Extra Work Requested: _____

Follow-up: _____

"A" = Acceptable "U" = Unacceptable

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: CALIFORNIA OAKS SPORTS PARK																																																																				
REPORTED BY: <u>Mark</u>		DATE: <u>5-13-14</u>																																																																		
A. TREES	B. SHRUBS/VINES	C. GROUNDCOVER																																																																		
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CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: CENTURY PARK

REPORTED BY: *WLD*

DATE: *5-14-14*

A. TREES	B. SHRUBS/VINES	C. GROUNDCOVER																																												
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Comments:

Extra Work Requested: _____

Follow-up: _____

"A" = Acceptable "U" = Unacceptable

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: CRYSTAL AIRE PARK

REPORTED BY: *Mark*

DATE: *5-15-14*

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Comments:
Weed in the Turf.

Extra Work Requested: _____

Follow-up: _____

"A" = Acceptable "U" = Unacceptable

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: ECHO CANYON PARK

REPORTED BY: *WAD*

DATE: *5-19-14*

A. TREES	B. SHRUBS/VINES	C. GROUNDCOVER																																																																		
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Comments:

weed in the turf Bare Area need Fert

Extra Work Requested: _____

Follow-up: _____

"A" = Acceptable "U" = Unacceptable

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: GLEN ARBOR PARK - PARK #11

REPORTED BY: *Mark*

DATE: *5-19-14*

A. TREES	B. SHRUBS/VINES	C. GROUNDCOVER																																						
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Comments:

Weed in the Turf, Turf stress in some areas. Slope Are Bare need (Fert)

Extra Work Requested: _____

Follow-up: _____

"A" = Acceptable "U" = Unacceptable

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: MEADOWRIDGE PARK																																																																				
REPORTED BY: <u>WJ</u>		DATE: <u>5-20-14</u>																																																																		
A. TREES	B. SHRUBS/VINES	C. GROUNDCOVER																																																																		
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Comments: <u>Over Run By. Rabbit</u>																																																																				

Extra Work Requested: _____

Follow-up: _____

"A" = Acceptable "U" = Unacceptable

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: MOUNTAIN PRIDE PARK - PARK 10

REPORTED BY: *MARK*

DATE: *5-21-14*

A. TREES	B. SHRUBS/VINES	C. GROUNDCOVER																																																																		
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Comments:

Missing plant material along the Trail.

Extra Work Requested: _____

Follow-up: _____

"A" = Acceptable "U" = Unacceptable

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: OAK MEADOWS PARK

REPORTED BY: *Mark*

DATE: *5-21-14*

A. TREES	B. SHRUBS/VINES	C. GROUNDCOVER																																												
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Comments:

Extra Work Requested: _____

Follow-up: _____

"A" = Acceptable "U" = Unacceptable

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: THE OAKS PARK - MBK HOMES

Saryamore park

REPORTED BY: *Mark*

DATE: *5-21-14*

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Comments:

*Need to be weeded around shrubs
weed in the turf.
need [Fert?]*

Extra Work Requested: _____

Follow-up: _____

"A" = Acceptable "U" = Unacceptable

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: VALLEY VISTA PARK

REPORTED BY: *Mark*

DATE: *5-27-14*

A. TREES	B. SHRUBS/VINES	C. GROUNDCOVER																																												
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Comments:

Extra Work Requested: _____

Follow-up: _____

"A" = Acceptable "U" = Unacceptable

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: WEDGEWOOD PARK

REPORTED BY: *WSD*

DATE: *5-27-14*

A. TREES	B. SHRUBS/VINES	C. GROUNDCOVER																																												
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Comments:

Extra Work Requested: _____

Follow-up: _____

"A" = Acceptable "U" = Unacceptable

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: ALTA MURRIETA SPORTS PARK

REPORTED BY: M. V. K.

DATE: 5-27-14

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Follow-up: _____ _____ _____ _____ _____
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"A" = Acceptable "U" = Unacceptable

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: BEAR VALLEY PARK - 1

REPORTED BY: *M*

DATE: 5-21-14

A. TREES	B. SHRUBS/VINES	C. GROUNDCOVER
<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Pruned _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 2) Staking/Guying _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 3) Stressed/Dying _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 4) Rodents _____ <input type="checkbox"/> <input type="checkbox"/> 5) Tree Wells _____ <input type="checkbox"/> <input type="checkbox"/> 6) Other _____	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Pruned _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 2) Stressed/Dying _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 3) Weed Abatement _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 4) Rodents _____ <input type="checkbox"/> <input type="checkbox"/> 5) Other _____ <input type="checkbox"/> <input type="checkbox"/> 6) Other _____	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Trimmed _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 2) Stressed/Dying _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 3) Weed Abatement _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 4) Rodents _____ <input type="checkbox"/> <input type="checkbox"/> 5) Other _____ <input type="checkbox"/> <input type="checkbox"/> 6) Other _____
D. TURF	E. FACILITIES	F. OTHER
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G. IRRIGATION	H. FERTILIZING	
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Comments:

Extra Work Requested: _____

Follow-up: _____

CITY OF MURRIETA LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: ANTIGUA PARK

REPORTED BY: _____

DATE: 5-21-14

A. TREES	B. SHRUBS/VINES	C. GROUNDCOVER
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G. IRRIGATION	H. FERTILIZING	
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Comments:

Extra Work Requested: _____

Follow-up: _____

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: WHITEWOOD PARK - PARK F

REPORTED BY: *CM*

DATE: 5-20-14

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Comments:

Extra Work Requested: _____

Follow-up: _____

"A" = Acceptable "U" = Unacceptable

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: WARM SPRINGS PARK AND PRESERVE

REPORTED BY: *GM*

DATE: *5-20-14*

A. TREES	B. SHRUBS/VINES	C. GROUNDCOVER
<div style="display: flex; justify-content: space-between; margin-bottom: 5px;"> A <input checked="" type="checkbox"/> U <input checked="" type="checkbox"/> </div> <input checked="" type="checkbox"/> 1) Pruned _____ <input checked="" type="checkbox"/> 2) Staking/Guying _____ <input checked="" type="checkbox"/> 3) Stressed/Dying _____ <input checked="" type="checkbox"/> 4) Rodents _____ <input type="checkbox"/> 5) Tree Wells _____ <input type="checkbox"/> 6) Other _____	<div style="display: flex; justify-content: space-between; margin-bottom: 5px;"> A <input checked="" type="checkbox"/> U <input checked="" type="checkbox"/> </div> <input checked="" type="checkbox"/> 1) Pruned _____ <input checked="" type="checkbox"/> 2) Stressed/Dying _____ <input checked="" type="checkbox"/> 3) Weed Abatement _____ <input checked="" type="checkbox"/> 4) Rodents _____ <input type="checkbox"/> 5) Other _____ <input type="checkbox"/> 6) Other _____	<div style="display: flex; justify-content: space-between; margin-bottom: 5px;"> A <input checked="" type="checkbox"/> U <input checked="" type="checkbox"/> </div> <input checked="" type="checkbox"/> 1) Trimmed _____ <input checked="" type="checkbox"/> 2) Stressed/Dying _____ <input checked="" type="checkbox"/> 3) Weed Abatement _____ <input checked="" type="checkbox"/> 4) Rodents _____ <input type="checkbox"/> 5) Other _____ <input type="checkbox"/> 6) Other _____
D. TURF	E. FACILITIES	F. OTHER
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G. IRRIGATION	H. FERTILIZING	
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Comments:

Extra Work Requested: _____

Follow-up: _____

"A" = Acceptable "U" = Unacceptable

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: VINTAGE RESERVE PARK

REPORTED BY: *CM*

DATE: *5-19-14*

A. TREES	B. SHRUBS/VINES	C. GROUNDCOVER
<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Pruned _____ <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 2) Staking/Guying _____ <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 3) Stressed/Dying _____ <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 4) Rodents _____ <input type="checkbox"/> <input type="checkbox"/> 5) Tree Wells _____ <input type="checkbox"/> <input type="checkbox"/> 6) Other _____	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Pruned _____ <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 2) Stressed/Dying _____ <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 3) Weed Abatement _____ <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 4) Rodents _____ <input type="checkbox"/> <input type="checkbox"/> 5) Other _____ <input type="checkbox"/> <input type="checkbox"/> 6) Other _____	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Trimmed _____ <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 2) Stressed/Dying _____ <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 3) Weed Abatement _____ <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 4) Rodents _____ <input type="checkbox"/> <input type="checkbox"/> 5) Other _____ <input type="checkbox"/> <input type="checkbox"/> 6) Other _____
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Comments:

Extra Work Requested:

Follow-up:

"A" = Acceptable "U" = Unacceptable

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: TORREY PINES PARK

REPORTED BY: *[Signature]*

DATE: 5-19-14

A. TREES	B. SHRUBS/VINES	C. GROUNDCOVER
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D. TURF	E. FACILITIES	F. OTHER
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Comments:

Looks Good

Extra Work Requested: _____

Follow-up: _____

"A" = Acceptable "U" = Unacceptable

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: SPRINGBROOK PARK

REPORTED BY: *[Signature]*

DATE: 5-9-14

A. TREES	B. SHRUBS/VINES	C. GROUNDCOVER																																												
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Comments:

Extra Work Requested:

Follow-up:

"A" = Acceptable "U" = Unacceptable

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: SHADY MAPLE PARK

REPORTED BY: *CM*

DATE: 5-7-14

A. TREES	B. SHRUBS/VINES	C. GROUNDCOVER
<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Pruned _____ <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 2) Staking/Guying _____ <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 3) Stressed/Dying _____ <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 4) Rodents _____ <input type="checkbox"/> <input type="checkbox"/> 5) Tree Wells _____ <input type="checkbox"/> <input type="checkbox"/> 6) Other _____	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Pruned _____ <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 2) Stressed/Dying _____ <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 3) Weed Abatement _____ <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 4) Rodents _____ <input type="checkbox"/> <input type="checkbox"/> 5) Other _____ <input type="checkbox"/> <input type="checkbox"/> 6) Other _____	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Trimmed _____ <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 2) Stressed/Dying _____ <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 3) Weed Abatement _____ <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 4) Rodents _____ <input type="checkbox"/> <input type="checkbox"/> 5) Other _____ <input type="checkbox"/> <input type="checkbox"/> 6) Other _____
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Comments: *Bare spots in turf*

Extra Work Requested: _____

Follow-up: _____

"A" = Acceptable "U" = Unacceptable

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: RANCHO ACACIA PARK

REPORTED BY: *MM*

DATE: 5-7-14

A. TREES	B. SHRUBS/VINES	C. GROUNDCOVER																																						
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<input type="checkbox"/> <input type="checkbox"/>	7) Other _____																																							
G. IRRIGATION	H. FERTILIZING																																							
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<input type="checkbox"/> <input type="checkbox"/>	5) Other _____																																							
<input type="checkbox"/> <input type="checkbox"/>	6) Other _____																																							

Comments: ~~Stressed~~ Stressed Turf

Extra Work Requested: _____

Follow-up: _____

"A" = Acceptable "U" = Unacceptable

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: POND PARK

REPORTED BY: *CM*

DATE: *5-7-14*

A. TREES		B. SHRUBS/VINES		C. GROUNDCOVER	
<input checked="" type="checkbox"/> A	<input checked="" type="checkbox"/> U	<input checked="" type="checkbox"/> A	<input checked="" type="checkbox"/> U	<input type="checkbox"/> A	<input type="checkbox"/> U
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1) Pruned	1) Pruned	1) Trimmed			
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2) Staking/Guying <i>NA</i>	2) Stressed/Dying	2) Stressed/Dying			
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3) Stressed/Dying	3) Weed Abatement	3) Weed Abatement			
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4) Rodents	4) Rodents	4) Rodents			
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5) Tree Wells	5) Other	5) Other			
<input type="checkbox"/>					
6) Other	6) Other	6) Other			
D. TURF		E. FACILITIES		F. OTHER	
<input checked="" type="checkbox"/> A	<input checked="" type="checkbox"/> U	<input type="checkbox"/> A	<input type="checkbox"/> U	<input checked="" type="checkbox"/> A	<input checked="" type="checkbox"/> U
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1) Mowing/Edging	1) Mowing/Edging	1) Ball Field Prep		1) Plant Replacement	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2) Weed/Abatement	2) Weed/Abatement	2) Fences <i>OLD IRON</i>		2) Rodents	
<input checked="" type="checkbox"/>					
3) Stressed/Dying	3) Stressed/Dying	3) Trails/Surfacing		3) Litter Control	
<input checked="" type="checkbox"/>					
4) Rodents	4) Rodents	4) Hardscape/Sidewalk		4) Erosion	
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5) Other	5) Other	5) Drainage/V-ditches		5) Street Signs Visible?	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6) Other	6) Other	6) Other		6) Open Space	
				<input type="checkbox"/>	<input type="checkbox"/>
				7) Other	
G. IRRIGATION		H. FERTILIZING			
<input checked="" type="checkbox"/> A	<input checked="" type="checkbox"/> U	<input checked="" type="checkbox"/> A	<input checked="" type="checkbox"/> U		
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
1) Spec Compliance	1) Spec Compliance	1) Medians			
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
2) Moisture/Coverage	2) Moisture/Coverage	2) Turf			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
3) Heads/Valves	3) Heads/Valves	3) Groundcover			
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
4) Clocks/Timers	4) Clocks/Timers	4) Planters			
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5) Broken Mainline	5) Broken Mainline	5) Other			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6) Other	6) Other	6) Other			

Comments:

Trees were pruned Broken Heads

Extra Work Requested:

Follow-up:

"A" = Acceptable "U" = Unacceptable

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: PALOMAR PARK

REPORTED BY: *CM*

DATE: *5-7-14*

A. TREES	B. SHRUBS/VINES	C. GROUNDCOVER
<p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Pruned _____</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 2) Staking/Guying _____</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 3) Stressed/Dying _____</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 4) Rodents _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 5) Tree Wells _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 6) Other _____</p>	<p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Pruned _____</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 2) Stressed/Dying _____</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 3) Weed Abatement _____</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 4) Rodents _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 5) Other _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 6) Other _____</p>	<p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Trimmed _____</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 2) Stressed/Dying _____</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 3) Weed Abatement _____</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 4) Rodents _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 5) Other _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 6) Other _____</p>
D. TURF	E. FACILITIES	F. OTHER
<p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Mowing/Edging _____</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 2) Weed/Abatement _____</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 3) Stressed/Dying _____</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 4) Rodents _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 5) Other _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 6) Other _____</p>	<p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Ball Field Prep _____</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 2) Fences _____</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 3) Trails/Surfacing _____</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 4) Hardscape/Sidewalk _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 5) Drainage/V-ditches _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 6) Other _____</p>	<p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Plant Replacement _____</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 2) Rodents _____</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 3) Litter Control _____</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 4) Erosion _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 5) Street Signs Visible? _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 6) Open Space _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 7) Other _____</p>
G. IRRIGATION	H. FERTILIZING	
<p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Spec Compliance _____</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 2) Moisture/Coverage _____</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 3) Heads/Valves _____</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 4) Clocks/Timers _____</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 5) Broken Mainline _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 6) Other _____</p>	<p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Medians _____</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 2) Turf _____</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 3) Groundcover _____</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 4) Planters _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 5) Other _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 6) Other _____</p>	

Comments:

Extra Work Requested: _____

Follow-up: _____

"A" = Acceptable "U" = Unacceptable

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: MONTE VISTA PARK

REPORTED BY: *CMG*

DATE: *5-7-14*

A. TREES	B. SHRUBS/VINES	C. GROUNDCOVER																																												
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<input type="checkbox"/> 4) Rodents _____	<input type="checkbox"/> 4) Rodents _____																																													
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Comments:

Gopher

Extra Work Requested: _____

Follow-up: _____

"A" = Acceptable "U" = Unacceptable

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: MIRA MOSA PARK

REPORTED BY: *CM*

DATE: 5-7-14

A. TREES	B. SHRUBS/VINES	C. GROUNDCOVER																																																									
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Comments:

Extra Work Requested: _____

Follow-up: _____

"A" = Acceptable "U" = Unacceptable

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: MAPLETON PARK

REPORTED BY: *GM*

DATE: *5-7-14*

A. TREES	B. SHRUBS/VINES	C. GROUNDCOVER																																						
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Comments:

BROKEN TREE STAKE TURF WEAR ~~SET~~ HURT

Extra Work Requested: _____

Follow-up: _____

"A" = Acceptable "U" = Unacceptable

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: LOS ALAMOS HILLS SPORTS PARK		
REPORTED BY: <i>CM</i>		DATE: <i>5-6-10</i>
A. TREES	B. SHRUBS/VINES	C. GROUNDCOVER
<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Pruned <u>low branches</u> <input checked="" type="checkbox"/> <input type="checkbox"/> 2) Staking/Guying _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 3) Stressed/Dying _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 4) Rodents _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 5) Tree Wells <u>Need to spray</u> <input type="checkbox"/> <input type="checkbox"/> 6) Other _____	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Pruned _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 2) Stressed/Dying _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 3) Weed Abatement _____ <input type="checkbox"/> <input type="checkbox"/> 4) Rodents _____ <input type="checkbox"/> <input type="checkbox"/> 5) Other _____ <input type="checkbox"/> <input type="checkbox"/> 6) Other _____	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Trimmed _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 2) Stressed/Dying _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 3) Weed Abatement _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 4) Rodents _____ <input type="checkbox"/> <input type="checkbox"/> 5) Other _____ <input type="checkbox"/> <input type="checkbox"/> 6) Other _____
D. TURF	E. FACILITIES	F. OTHER
<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Mowing/Edging _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 2) Weed/Abatement _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 3) Stressed/Dying _____ <input type="checkbox"/> <input type="checkbox"/> 4) Rodents _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 5) Other <u>Holes in turf</u> <input type="checkbox"/> <input type="checkbox"/> 6) Other _____	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Ball Field Prep _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 2) Fences _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 3) Trails/Surfacing _____ <input type="checkbox"/> <input type="checkbox"/> 4) Hardscape/Sidewalk <u>Chalk & gum</u> <input checked="" type="checkbox"/> <input type="checkbox"/> 5) Drainage/V-ditches _____ <input type="checkbox"/> <input type="checkbox"/> 6) Other _____	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Plant Replacement _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 2) Rodents _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 3) Litter Control _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 4) Erosion _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 5) Street Signs Visible? _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 6) Open Space _____ <input type="checkbox"/> <input type="checkbox"/> 7) Other _____
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Comments: <i>Looks Good</i>		
Extra Work Requested: _____		
Follow-up: _____		

"A" = Acceptable "U" = Unacceptable

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: FIREFIGHTERS PARK

REPORTED BY: *cm*

DATE: 5-6-14

A. TREES	B. SHRUBS/VINES	C. GROUNDCOVER
<p>A U</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Pruned _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 2) Staking/Guying _____</p> <p><input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 3) Stressed/Dying _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 4) Rodents _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 5) Tree Wells _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 6) Other _____</p>	<p>A U</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 1) Pruned _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 2) Stressed/Dying _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 3) Weed Abatement _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 4) Rodents _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 5) Other _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 6) Other _____</p>	<p>A U</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 1) Trimmed _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 2) Stressed/Dying _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 3) Weed Abatement _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 4) Rodents _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 5) Other _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 6) Other _____</p>
D. TURF	E. FACILITIES	F. OTHER
<p>A U</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 1) Mowing/Edging _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 2) Weed/Abatement _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 3) Stressed/Dying _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 4) Rodents _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 5) Other _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 6) Other _____</p>	<p>A U</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> 1) Ball Field Prep _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 2) Fences _____</p> <p><input type="checkbox"/> <input checked="" type="checkbox"/> 3) Trails/Surfacing _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 4) Hardscape/Sidewalk _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 5) Drainage/V-ditches _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 6) Other _____</p>	<p>A U</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 1) Plant Replacement _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 2) Rodents _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 3) Litter Control _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 4) Erosion _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 5) Street Signs Visible? _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 6) Open Space _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 7) Other _____</p>
G. IRRIGATION	H. FERTILIZING	
<p>A U</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 1) Spec Compliance _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 2) Moisture/Coverage _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 3) Heads/Valves _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 4) Clocks/Timers _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 5) Broken Mainline _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 6) Other _____</p>	<p>A U</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 1) Medians _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 2) Turf _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 3) Groundcover _____</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> 4) Planters _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 5) Other _____</p> <p><input type="checkbox"/> <input type="checkbox"/> 6) Other _____</p>	

Comments:

Extra Work Requested: _____

Follow-up: _____

"A" = Acceptable "U" = Unacceptable

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: EASTGATE PARK

REPORTED BY: *CM*

DATE: 5-6-14

A. TREES	B. SHRUBS/VINES	C. GROUNDCOVER
<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Pruned _____ <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 2) Staking/Guying _____ <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 3) Stressed/Dying _____ <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 4) Rodents _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 5) Tree Wells _____ <input type="checkbox"/> <input type="checkbox"/> 6) Other _____	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Pruned _____ <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 2) Stressed/Dying _____ <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 3) Weed Abatement _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 4) Rodents _____ <input type="checkbox"/> <input type="checkbox"/> 5) Other _____ <input type="checkbox"/> <input type="checkbox"/> 6) Other _____	<input type="checkbox"/> <input type="checkbox"/> 1) Trimmed _____ <input type="checkbox"/> <input type="checkbox"/> 2) Stressed/Dying _____ <input type="checkbox"/> <input type="checkbox"/> 3) Weed Abatement _____ <input type="checkbox"/> <input type="checkbox"/> 4) Rodents _____ <input type="checkbox"/> <input type="checkbox"/> 5) Other _____ <input type="checkbox"/> <input type="checkbox"/> 6) Other _____
D. TURF	E. FACILITIES	F. OTHER
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G. IRRIGATION	H. FERTILIZING	
<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Spec Compliance _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 2) Moisture/Coverage _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 3) Heads/Valves _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 4) Clocks/Timers _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 5) Broken Mainline _____ <input type="checkbox"/> <input type="checkbox"/> 6) Other _____	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Medians _____ <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 2) Turf _____ <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 3) Groundcover _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 4) Planters _____ <input type="checkbox"/> <input type="checkbox"/> 5) Other _____ <input type="checkbox"/> <input type="checkbox"/> 6) Other _____	

Comments: *Too wet in turf*

Extra Work Requested: _____

Follow-up: _____

"A" = Acceptable "U" = Unacceptable

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: CREEKSIDE VILLAGE GREENS PARK

REPORTED BY: *OM*

DATE: 5-5-14

A. TREES	B. SHRUBS/VINES	C. GROUNDCOVER
<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Pruned _____ <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 2) Staking/Guying _____ <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 3) Stressed/Dying _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 4) Rodents _____ <input type="checkbox"/> <input type="checkbox"/> 5) Tree Wells _____ <input type="checkbox"/> <input type="checkbox"/> 6) Other _____	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Pruned _____ <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 2) Stressed/Dying _____ <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 3) Weed Abatement _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 4) Rodents _____ <input type="checkbox"/> <input type="checkbox"/> 5) Other _____ <input type="checkbox"/> <input type="checkbox"/> 6) Other _____	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Trimmed _____ <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 2) Stressed/Dying _____ <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 3) Weed Abatement _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 4) Rodents _____ <input type="checkbox"/> <input type="checkbox"/> 5) Other _____ <input type="checkbox"/> <input type="checkbox"/> 6) Other _____
D. TURF	E. FACILITIES	F. OTHER
<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Mowing/Edging _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 2) Weed/Abatement _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 3) Stressed/Dying _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 4) Rodents _____ <input type="checkbox"/> <input type="checkbox"/> 5) Other _____ <input type="checkbox"/> <input type="checkbox"/> 6) Other _____	<input type="checkbox"/> <input type="checkbox"/> 1) Ball Field Prep _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 2) Fences _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 3) Trails/Surfacing _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 4) Hardscape/Sidewalk _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 5) Drainage/V-ditches _____ <input type="checkbox"/> <input type="checkbox"/> 6) Other _____	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 1) Plant Replacement _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 2) Rodents _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 3) Litter Control _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 4) Erosion _____ <input type="checkbox"/> <input type="checkbox"/> 5) Street Signs Visible? _____ <input checked="" type="checkbox"/> <input type="checkbox"/> 6) Open Space _____ <input type="checkbox"/> <input type="checkbox"/> 7) Other _____
G. IRRIGATION	H. FERTILIZING	
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Comments: *Wanted to turn water down too wet*

Extra Work Requested: _____

Follow-up: _____

"A" = Acceptable "U" = Unacceptable

CITY OF MURRIETA - LANDSCAPE MAINTENANCE DIVISION - INSPECTION REPORT

Monthly Weekly Drive-by Call-in Turnover

AREA: CARSON PARK																																														
REPORTED BY: <i>CM</i>		DATE: <i>5-5-14</i>																																												
A. TREES <table style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">A U</td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> <input type="checkbox"/></td> <td>1) Pruned _____</td> </tr> <tr> <td><input checked="" type="checkbox"/> <input type="checkbox"/></td> <td>2) Staking/Guying _____</td> </tr> <tr> <td><input checked="" type="checkbox"/> <input type="checkbox"/></td> <td>3) Stressed/Dying _____</td> </tr> <tr> <td><input checked="" type="checkbox"/> <input type="checkbox"/></td> <td>4) Rodents _____</td> </tr> <tr> <td><input checked="" type="checkbox"/> <input type="checkbox"/></td> <td>5) Tree Wells _____</td> </tr> <tr> <td><input type="checkbox"/> <input type="checkbox"/></td> <td>6) Other _____</td> </tr> </table>	A U		<input checked="" type="checkbox"/> <input type="checkbox"/>	1) Pruned _____	<input checked="" type="checkbox"/> <input type="checkbox"/>	2) Staking/Guying _____	<input checked="" type="checkbox"/> <input type="checkbox"/>	3) Stressed/Dying _____	<input checked="" type="checkbox"/> <input type="checkbox"/>	4) Rodents _____	<input checked="" type="checkbox"/> <input type="checkbox"/>	5) Tree Wells _____	<input type="checkbox"/> <input type="checkbox"/>	6) Other _____	B. SHRUBS/VINES <table style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">A U</td> <td style="text-align: center;"><i>NA</i></td> </tr> <tr> <td><input type="checkbox"/> <input type="checkbox"/></td> <td>1) Pruned _____</td> </tr> <tr> <td><input type="checkbox"/> <input type="checkbox"/></td> <td>2) Stressed/Dying _____</td> </tr> <tr> <td><input type="checkbox"/> <input type="checkbox"/></td> <td>3) Weed Abatement _____</td> </tr> <tr> <td><input type="checkbox"/> <input type="checkbox"/></td> <td>4) Rodents _____</td> </tr> <tr> <td><input type="checkbox"/> <input type="checkbox"/></td> <td>5) Other _____</td> </tr> <tr> <td><input type="checkbox"/> <input type="checkbox"/></td> <td>6) Other _____</td> </tr> </table>	A U	<i>NA</i>	<input type="checkbox"/> <input type="checkbox"/>	1) Pruned _____	<input type="checkbox"/> <input type="checkbox"/>	2) Stressed/Dying _____	<input type="checkbox"/> <input type="checkbox"/>	3) Weed Abatement _____	<input type="checkbox"/> <input type="checkbox"/>	4) Rodents _____	<input type="checkbox"/> <input type="checkbox"/>	5) Other _____	<input type="checkbox"/> <input type="checkbox"/>	6) Other _____	C. GROUNDCOVER <table style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">A U</td> <td style="text-align: center;"><i>NA</i></td> </tr> <tr> <td><input type="checkbox"/> <input type="checkbox"/></td> <td>1) Trimmed _____</td> </tr> <tr> <td><input type="checkbox"/> <input type="checkbox"/></td> <td>2) Stressed/Dying _____</td> </tr> <tr> <td><input type="checkbox"/> <input type="checkbox"/></td> <td>3) Weed Abatement _____</td> </tr> <tr> <td><input type="checkbox"/> <input type="checkbox"/></td> <td>4) Rodents _____</td> </tr> <tr> <td><input type="checkbox"/> <input type="checkbox"/></td> <td>5) Other _____</td> </tr> <tr> <td><input type="checkbox"/> <input type="checkbox"/></td> <td>6) Other _____</td> </tr> </table>	A U	<i>NA</i>	<input type="checkbox"/> <input type="checkbox"/>	1) Trimmed _____	<input type="checkbox"/> <input type="checkbox"/>	2) Stressed/Dying _____	<input type="checkbox"/> <input type="checkbox"/>	3) Weed Abatement _____	<input type="checkbox"/> <input type="checkbox"/>	4) Rodents _____	<input type="checkbox"/> <input type="checkbox"/>	5) Other _____	<input type="checkbox"/> <input type="checkbox"/>	6) Other _____		
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Comments: <i>Needs Feet</i>																																														
Extra Work Requested: _____ _____ _____ _____																																														
Follow-up: _____ _____ _____ _____																																														

"A" = Acceptable "U" = Unacceptable

**3. MUNICIPAL
(SECTION F.3 of ORDER NO. R9-2010-0016)**

ATTACHMENT C

May.
2014

ONE MONTH ONLY. DID NOT INCLUDE
ENTIRE YEAR TO
SAVE PAPER



Community Services Department
Monthly Trash Can Enclosures
Form

PARK	Staff Member Assigned	# of Trash Enclosures	Date Serviced	Completed By	NOTES
Alta Murrieta Sports Park	Israel	1			
- Roll out trash bin			May-20	LR	
- Sweep out enclosure					
California Oaks Sports Park	Mike	1			
- Roll out trash bin			May-24	MB	
- Sweep out enclosure					
Copper Canyon Park	Alberto	1			
- Roll out trash bin			May-3	AA	
- Sweep out enclosure					
Firefighters Park	Jose	1			
- Roll out trash bin			May-9	JW	
- Sweep out enclosure					
Los Alamos Hills Sports Park	Phil / Mark	4			
- Roll out trash bin			May-11	MD	
- Sweep out enclosure			May-11	PE	
Mapleton Park	Alberto	1			
- Roll out trash bin			May-3	AA	
- Sweep out enclosure					

**4. INDUSTRIAL / COMMERCIAL
(SECTION F.3.b. of ORDER NO. R9-2010-0016)**

1) Attachment D contains the updated inventory of Industrial and Commercial Facilities as required under Section F.3.b.(1) of the 2010 SMR Permit [K.3.e.(4)1&2]. This inventory includes the following information by facility or mobile business:

- a) **Number and date of inspections conducted at each facility or mobile business** – the greater majority of the businesses in Murrieta where inspected last year. The outside of the businesses were inspected looking at the dumpsters, parking lots, and behind businesses for stains, storm drain inlets, etc. If something is found, then the city goes inside to inform the business of the problem. Then follow up visit(s) to confirm the problem is fixed. The second Attachment D has a copy of the aerial maps and completed Inspection Forms. The aerial maps shows how the city was divided up into alphabetical areas (A through F) making it easier to drive through a development complex at a time. The 2010 MS4 Permit requires one inspection per term of low priority businesses.
- b) **BMP violations identified during the inspection** – the majority of the violations were the dumpster areas were not clean and the lids were not closed.
- c) **Number, date, and type of enforcement actions** - see Attachment D for previously inspected.
- d) **Brief description of each high-level enforcement action at Industrial/Commercial sites including the effectiveness of the enforcement and follow-up activities** – no high-level enforcement activities were required.

2) **All changes to the designated minimum and enhanced BMPs required under Section F.3.b.(2)(b&c) of the 2010 SMR MS4 Permit [K.3.c.(4)3]**

Minimum BMP	CASQA BMP Fact Sheet	Used
Hazardous Waste/Materials storage areas are clean, no signs of leakage, and protected from rainfall and Runoff;	SC-34	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Trash bin areas are clean, the bin lids are closed, the bins are not filled with liquid, and no signs of leakage from the trash bins	SC-34	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Aboveground tanks have been properly maintained including no signs of leakage, and secondary containment in good condition	SC-11, SC-31, SC-33	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Onsite storm drain inlets are protect from inappropriate non-storm water discharges – as required by the WQMP	SC-44	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Oil/water separators are connected to sanitary sewer	NA	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wash water from wash pads (steam cleaning or high pressure cleaning) is directed to the sanitary sewer and does not discharge to the MS4	SC-10	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

**4. INDUSTRIAL / COMMERCIAL
(SECTION F.3.b of ORDER NO. R9-2010-0016), CONT.**

Mop bucket wash water is discharged to sanitary sewer via clarifier, wash tub or landscape area	SC-10	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Parking lot areas are free of trash, debris, and fluids other than water. Facility operator uses dry methods for spill cleanup.	SC-43	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Facility has coverage under the Industrial General Permit, if appropriate – only 6 facilities in the City	NA	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Minimum BMP	CASQA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Oil and grease Wastes are not discharged onto a parking lot, street or adjacent catch basin	SC-10	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Floor mats, filters and garbage containers are not washed in adjacent parking lots, alleys, sidewalks, or streets and that no wash water is discharged to MS4S	SC-10	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

3) Provide a list of Industrial Facilities, including each name, address, and WDID number in the City of Murrieta jurisdiction, that may require coverage under the General Industrial Permit, but has not submitted an NOI [K.3.c.(4)4]

Facility Name	Facility Address	WDID
Murrieta Valley School District	41870 McAlby Court – school district office	9 331017992
Rancho Calif. Water District	26266 Washington Avenue – water district	9 331012436
SA Recycling	41400 Date Street – light metal recycling cans, bottles, plastic	9 331022862
Ewles Material	26160 Adams Avenue - Concrete recycling	9 331019560
Superior Ready Mix	26165 Adams Avenue - concrete batch plant – closed	9 331020374
Robertson Ready Mix	26190 Adams Avenue - concrete batch plant	9 331021686

NOTE: City inspects these facilities for illicit discharges annually.

**4. INDUSTRIAL / COMMERCIAL
(SECTION F.3.b. of ORDER NO. R9-2010-0016)**

ATTACHMENT D

BUSINESS IN MURRIETA

Priority	Type	Firm Name	Firm Na	Firm Address	Firm	Phone Numb	Owner LName 1	Owner FName 1	Owner LName 2	Owner FName 2	Business Type Description	License Description
L	Mobile	Cook Drywall Corporation		20695 Avenue De Arbo	Murr	9516762246	Cook	Larry	Kruse	Michael	State License Contractor	State Lic Contractor
L	Food	Bmw Management Db	Sizzler	40489 Murrieta Hot Sp	Murr	9516768616	Myers	Gary W	Burk	John E	Restaurants with Alcohol	Sizzler Restaurant-Witt
L		R C P Block & Brick, Inc.		25725 Jefferson Ave	Murr	9516771489	Finch	Michael	Finch	Marvin H	Hardware/Home Improvement	Building Materials Yard
H		Glassplax, Inc. - manufacture glass		26605 Madison Ave	Murr	9516774800	Tortomasi	Stephen R			Retail/Wholesale	Wholesale Award Prodi
L	Mobile	Mike Voyles & Sons Construction Inc.		28175 Lee Ln	Murr	9513017510	Voyles	Michael			State License Contractor	General Contractor-Yar
L		R J Manufacturing - wood shop, paint, solvents		40798 Los Alamos Rd	Murr	9516981478	Lord III	Robert J			Manufacturer	Wood Shop (store Fixtu
H		Smart! Company -Pool cleaning		41725 Elm St #103	Murr	9096001302	Resh	Eric V	Resh	Jenel	Manufacturer	Swimming Pool Cleanir
L	Mobile	Ferguson Window Cleaning, L L C		24083 Golden Pheasant	Murr	9516986727	Ferguson	Bruce			Janitorial/Housekeeping	Window Cleaning
L	Mobile	J P I Development Group, Inc.		41205 Golden Gate Cir	Murr	9519737680	Janikowski	Brad	Janikowski	Dan	State License Contractor	Plumbing Only Contrac
L	Mobile	Western Exterminator Company		41132 Guava St	Murr	8006982440	Western Extermin				Pest Control	Structural Pest Control
L	Mobile	Transcontinental Enterprises		27220 Catt Rd	Murr	9093013867	Galvan	Manuel A			State License Contractor	General Contractor
H		Murrieta Tile & Stone, Inc. - trib to WSC		41083 Sandalwood Cir	Murr	9096009865	Lucero	Gregory L. & Dian			Retail/Wholesale	Retail/Ceramic Tile Inst
L	Mobile	Jardine Construction, Inc.		35520 Los Alamos Rd	Murr	9096980432	Jardine	Doug			State License Contractor	General Contractor
H		Valley Collision		26793 Madison Ave #10	Murr	9516004880	Rodriguez	Gustavo			Auto Repair	Auto Repair-frame Wor
H		Bill Wilson Touch-Up Service		26765 Madison Ave #10	Murr	9518523296	Wilson	Bill			Auto Detailing	Carwash
L	Mobile	Design Scapes		39600 Highbury Dr	Murr	9096772209	Simpson	David Glen			State License Contractor	Landscape Constructio
L	Mobile	Wolter & Sons Constructors		41065 Cardinal Flower	Murr	9096775667	Wolter	Bill			State License Contractor	State Licensed Contract
H		M. Shelhart Inc. - manufacture leather goods		26664 Pierce Cir #C	Murr	9513042745	Shelhart	Michael	Shelhart	Chad	Manufacturer	Manufacturing/Wharef
H		Howard Family Investment. Inc. Db	Murriet	41218 Nick Ln	Murr	9516986047	Howard	Otis			Auto Repair	Auto Body Repair Shop
L	Mobile	Adame Landscape, Inc.		41863 Juniper St	Murr	9516983090	Adame	Rodolfo	Adame	Carlos	State License Contractor	Landscape Maintenan
L	Mobile	Cal-West Pool And Spas, Inc.	Cal-Wes	41490 Los Alamos Rd	Murr	9516776665	Phillips	Roy Paul			State License Contractor	Spa And Pool Sales
L	Mobile	Zarco's Landscape		28485 Roan Ranch Rd	Romc	9093343716	Zarco	Earnacion			Gardening/Landscaping	Gardner
L	Mobile?	Western Tel-Com Development		41715 Cherry St	Murr	9513041002	Leavitt	Craig			State License Contractor	State Licensed Contra
L	Food	B & J, L L C	Carl's Jr.	40980 California Oaks R	Murr	9512726277	McClure	Dana	Karcher	Bernard	Restaurants without Alcohol	Fast Food Restaurant
L	Food	Chuy's Mesquite Broiler		25401 Madison Ave	Murr	9514611061	Barlow	Barlow Family Trust/Steve			Restaurants with Alcohol	Restaurant-alcohol
L	Food	Venus International Corp. Db - trib 2 WSC	Hot Wo	40469 Murrieta Hot Sp	Murr	9516967570	Loi	Hon Sun	Fu	Hong Sun	Restaurants without Alcohol	Chinese Restaurant
L		Brunswick Cal Oaks Bowl		40440 California Oaks R	Murr	9096982202	Leiserv, Inc.				Billiard/Pool Hall/Bowling Alley	Billiard/pool Hall/bowli
L	Mobile	Wall To Wall Builders, Inc.		41161 Sandalwood Cir	Murr	9516009858	Wall	Michael D			State License Contractor	State Licensed Contract
H		Bear Valley Muffler		41419 Pear St Unit 11	Murr	9516987805	Robinson	Dennis			Auto Repair	Muffler,A/C,Trailer Hitc
L	Food	Stater Bros. Markets #139		25050 Hancock Ave	Murr	9516774117	Brown	Jack H			Grocery Store	Grocery Store
H	Food	Pro-Tec Dallas Baker Products - what manufac?		41376 Pear St	Murr	9516988988	Baker	Dallas			Manufacturer	Manufacturer
L		Old Murrieta Plowboys Produce Corporation		24683 Washington Ave	Murr	9514612777	Segawa	Jerry			Grocery Store	Grocery Store
P		J & N Delivery - how dispose of vehicle waste		41340 Pear St #5	Murr	9518097212	Pompey	James			Business Services	Delivery Service
L		Camden Vineyards - apartment complex		24323 Jackson Ave	Murr	9514618117	Camden	Usa			Rental-Residential	Rental-Residential
P		Hi-Tech Auto Repair		26450 Jefferson Ave #1	Murr	9516961982	Flohr	Thomas	Flohr	Kristen	Auto Repair	Auto Repair
L		Formost Construction Co. - JP Cloud outside stor?		41220 Guava St	Murr	9516987270	Cloud	K.P.			State License Contractor	State Licensed Contract
L		Buroker Construction, Inc. Db - storage yard	Madera	25225 Jefferson Ave	Murr	9516771844	Buroker	Ronald W			State License Contractor	State Licensed Contract
L		Starsurplus.Com - refurbish electronics, waste?		26019 Jefferson Ave #C	Murr	9516775696	Flynn	Charlotte Daris			Retail/Wholesale	Computer Wholesale/h
L	Food	Taco Bell #5081		39557 Los Alamos Rd	Murr	9096960442	Taco Bell Corp.				Restaurants without Alcohol	Restaurant - No Alcho
L		Hub Construction Specialties, Inc.		41550 Reagan Way	Murr	9093792100	Gogo	Robert T	Hannah	Harvey A	Retail/Wholesale	Retail/Wholesale
L	Mobile	Texture Concepts		39545 Crystal Lake Ct	Murr	9096770365	Wedberg	Edward L			State License Contractor	State Licensed Contract
L		Lowe's H I W, Inc. #1576		24701 Madison Ave	Murr	3366584000	Attn:tax Dept.	Lowe's H I W, Inc.			Hardware/Home Improvement	Hardware/home Impro
L	Food	Starbucks Coffee #6725		25030 Hancock Ave	Murr	9094617395	Schultz	Howard	Donald	Jim	Food Store (novelty)	Food Store (novelty)
L		Johnson Machinery Co. Db	Johnson	41105 Raintree Ct	Murr	9096773787	Johnson Jr.	William R			Retail/Wholesale	Retail/wholesale
L	Food	McDonald's Murrieta		25280 Madison Ave	Murr	9516981245	Arcos De Oro, Inc.				Restaurants without Alcohol	Restaurant - No Alcho
L	Food	Murrieta Peony, Inc. Db	Peony C	39525 Los Alamos Rd #	Murr	9096985767	Zhang	Dara			Restaurants without Alcohol	Restaurant - No Alcho
L	Mobile	Tone Framing, Inc.		26697 Pierce Cir	Murr	9513040303	Campbell	Janet E	Campbell	Neil F	State License Contractor	General Contractor
P		M. B. Services - auto repair		25695 Jefferson Ave #7	Murr	9516961129	Brinker	Randy	Munson	Tony	Auto Repair	Auto Repair Shop/Rest
L	Mobile	David Paul Foster Co. Inc.		23911 Nutwood Way	Murr	9516960557	Foster	David Paul			State License Contractor	Masonry Contractor
L	Mobile	Richard's Sprinkler & Sod		39719 Ranchwood Dr	Murr	9096771542	Dunn	Richard L			State License Contractor	Landscape Contractor
L		Rancho Springs Medical Plaza - hospital		25485 Medical Center E	Murr	5108391744	Murrieta Medical C				Real Estate Developer/Propert	Rental - Commercial
P		Tech Line Coatings, Inc.		26844 Adams Ave	Murr	9093040498	Warren	Leonard			Manufacturer	Manufacturing Water E

BUSINESS IN MURRIETA

Priority	Type	Firm Name	Firm Na	Firm Address	Firm	Phone Num	Owner LName 1	Owner FName 1	Owner LName 2	Owner FNa	Business Type Description	License Description
L		Banfield, The Pet Hospital #129		25290 Madison Ave	Murr	9096981173	Ueber	Tony	Payne	John	Veterinarian Hospital	Veterinary Hospital
P		La Vasani, Inc. - just smog?	Murriet	26500 Jefferson Ave #D	Murr	9513042322	La Vasani	Eric	La Vasani	Eric	Auto Repair	Auto Repair - Smog Ch
L	Mobile	Airco Air Conditioning & Heating Services, Inc.		41725 Elm St #402	Murr	9516726600	Griffith	Desiree	Griffith	Gary J	State License Contractor	Air Conditioning Serv
L	Food	V C Ventures Inc. DbA - Dairy Queen	Dairy Qu	40720 California Oaks R	Murr	9516776565	Williamson	Vonda			Restaurants without Alcohol	Fast Food
L	Food	Puerto Nuevo Mexican Food		40469 Murrieta Hot Sp	Murr	9516778863	Gomez	Alicia			Restaurants without Alcohol	Restaurant - No Alcoho
L	Mobile	Hoffman's Concrete Construction		39148 Via Pamplona	Murr	9096988672	Hoffman	John			State License Contractor	State Licensed Contract
L	Mobile	Custom Landscape Construction		40960 California Oaks R	Murr	9096967977	Blank	Scott			State License Contractor	State Licensed Contract
L		L. P. Painting & Wall Coverings - storage / dispose		26811 Hobie Cir #11	Murr	9516776530	Peick Jr.	Louis A			State License Contractor	Paint & Wall Covering C
L	Food	Chuck E. Cheese's		25110 Hancock Ave	Murr	9096981307	Cec Entertainment				Restaurants without Alcohol	Pizza Restaurant
L	Mobile	Merry Maids		41571 Corning Pl Ste 10	Murr	9093040002	De Puydt	Katherine			Janitorial/Housekeeping	Residential Cleaning
L		Von Mega Enterprises, Inc. D B A - dispose/storage	Paint Co	28061 Jefferson Ave #7	Tem	9096997802	Muegge	John Von			State License Contractor	Painting Contractor
L		California Oaks Car Wash		40933 California Oaks R	Murr	9516965004	Temcal Developme				Auto Detailing	Car Wash And Oil Chan
L	Food	Raja Enterprises, Inc.		40119 Murrieta Hot Sp	Murr	9519261161	Syriani	Raja			Restaurants without Alcohol	Pizza Shop
L		America's Tire Co.		24680 Madison Ave	Murr	9516981683	Halle	Bruce T			Retail/Wholesale	Tires, Wheels Sales
L	Food	Bella's Pizza Villa L L C		25320 Madison Ave #E	Murr	9096772341	Olson	William M			Restaurants with Alcohol	Restaurant - With Alco
L		Pool & Electrical Products, Inc. - storage/dispose		41610 Reagan Way	Murr	7149568115	Becerra	Sandra			Retail/Wholesale	Wholesale Dist/plumbi
L	Food	Starbucks Coffee #6446		41032 California Oaks R	Murr	2063188705		Starbucks Corp+			Food Store (novelty)	Coffee Store
L	Mobile	C W Plumbing & Design, Inc.		41683 Date St	Murr	9518947703	Wheeler	Craig			State License Contractor	Plumbing Contractor
H		Proauto Service Centers		26500 Jefferson Ave #F	Murr	9093040506	Leigh	Richard K	Leigh	Danti N	Auto Repair	Auto Repair Shop
L	Food	T J S Pizza Company	R & H P	39872 Los Alamos Rd #1	Murr	9096989859	Hieter	Tim	Richardson	Bob	Restaurants without Alcohol	Pizza Restaurant - No A
H		Worldwide Autoworks		26450 Jefferson Ave #1	Murr	9096773515	Schultz	Shawn S			Auto Repair	Auto Repair Shop
H		Waterstone, Llc - manufacture faucets		26790 Madison Ave	Murr	9513040520	Kuran	Chris			Manufacturer	Manufacturing Faucets
L	Food	Miss Donuts		25030 Hancock Ave # 1	Murr	9516774772	Tong	Seng			Food Store (novelty)	Food Store (novelty)
H		Baliani Automotive		26450 Jefferson Ave #1	Murr	9516960665	Baliani	Michael			Auto Repair	Auto Repair Shop
L	Same	Kalmia R V & Boat Storage - hydroseed dump?		41891 Kalmia St #A	Murr	9096774410	Roberts	Cheryl K			Storage/Self Storage	Storage/self-storage
L		Murrieta Country Market		24741 Washington Ave	Murr	9096775023	Kla Bears Corp				Grocery Store	Grocery Store
H		Yehling Family Investments, Inc.	D B A M	26658 Jefferson Ave #1	Murr	9516981498	Yehling	Brett			Auto Repair	Auto Repair Shop
L	Food	Donut Star		40525 California Oaks R	Murr	9096986430	Chea	Stephen			Food Store (novelty)	Food Store (novelty)
L	Food	Calrental.Com, Inc DbA	Wieners	25250 Madison Ave	Murr	9514619697	Calrental.Com, Inc.				Restaurants without Alcohol	Fast Food Restaurant -
M		Lake Plumbing		23610 Kettle Rd	Murr	9094611943	Kindsfather	Robert			State License Contractor	State Licensed Contract
L	Same	Kalmia Sales		41891 Kalmia St #A	Murr	9516989919	Roberts	Cheryl K			Retail/Wholesale	Retail/Wholesale - Seec
M		D & D Schumacher Construction		41083 Sandalwood Cir	Murr	9092608080	Schumacher	Douglas M			State License Contractor	Adm Only/No Outside S
L		Ralphs #118		23801 Washington Ave	Murr	9516772297	Ralphs Grocery Co.				Grocery Store	Grocery Store
L	Same	Via Vaquero Co. DbA	J R Conc	41891 Kalmia St #A	Murr	9514610944	Roberts	Cheryl K			State License Contractor	State Licensed Contract
H		The New Murrieta Motors Co., Inc.		25086 Jefferson Ave	Murr	9096967829	Salem	Christopher			Auto Dealerships	Auto Dealerships
L		Rite Aid #5727 - ck outside garden?		40640 California Oaks R	Murr	9096779666	Lawrence Gelman				Retail/Wholesale	Retail/wholesale
L		Stay Laboratories, Llc		26820 Hobie Cir #E	Murrieta, CA 92562		Riscal	Kay			Manufacturer	Manufacturer
L		Best Buy Stores,L.P. #115		25080 Madison Ave	Murr	9096962001	Bbc Property Co.		Bbc Investment C		Second Hand/Pawn Shop	Second Hand/Retail/W
M		R.L. Clotworthy Construction		26079 Jefferson Ave	Murr	9516935130	Clotworthy	Rick			State License Contractor	State Licensed Contract
L	Same	Creative Hydroseed, Inc. - check for dumping?		41891 Kalmia St #A	Murr	9094619745	Roberts	Cheryl K			State License Contractor	Gardening/Landscaping
L		Nevada Truckworks		41451 Los Alamos Rd	Murr	9516778661	Pollard	David J			Auto Dealerships	Auto Dealership
M		Rogers Brothers, Inc.		24028 Falconer Dr	Murr	9516001828	Rogers I I	Frank M	Rogers	Kipling E	State License Contractor	State Licensed Contract
L	Mobile	Dewey Pest Control		26635 Pierce Cir	Murrieta, CA 92562		Dewey Services, In				Pest Control	Pest Control
H		E S E Manufacturing, Inc.		26071 Jefferson Ave	Murr	9094611500	Arndt	Mike			Manufacturer	Manufacturer
M		Raul Lopez Plumbing Service, Inc.		29607 Troon Ct	Murr	9516775124	Lopez	Raul			State License Contractor	State Licensed Contract
L	WSC	Honeycutt Farms		40477 Murrieta Hot Sp	Murr	9516980098	Dorfner	Jeff	Dorfner	Cheryl	Restaurants without Alcohol	Restaurant - No Alcoho
L		Raja Enterprises, Inc. DbA	Dominio	40404 California Oaks R	Murr	9519261161	Syriani	Raja			Restaurants without Alcohol	Restaurant - No Alcoho
L		The Home Depot #0668		25100 Madison Ave	Murr	9096981555	Blake	Frank	Tome	Carol	Hardware/Home Improvem	Hardware/home Impro
L		Wal-Mart Store #2952		41200 Murrieta Hot Sp	Murr	4792047167	Duke	Mike	Roberts	Karen	Retail/Wholesale	Retail/ Wholesale
M		Temecula Valley Drywall, Inc.		41228 Raintree Ct	Murr	9516001742	Misemer	Douglas A			State License Contractor	State Licensed Contract
L	Food	99c Only Stores #127		25270 Madison Ave	Murr	9096989971		99c Only Stores			Retail/Wholesale	Retail/wholesale
H		Kip Incorporated - storage yard		25740 Washington Ave	Murr	9516987890	Quiring	Greg D	Christopher	Jill	State License Contractor	State Licensed Contract

BUSINESS IN MURRIETA

Priority	Type	Firm Name	Firm Na	Firm Address	Firm	Phone Num	Owner LName 1	Owner FName 1	Owner LName 2	Owner FName	Business Type Description	License Description
L		Geosoils, Inc. - how dispose of soil samples		26590 Madison Ave	Murr	7604383155	Franklin	John			Professional	Engineering/architectu
M		Inland Specialty Systems Inc. - mold removal		23423 Mountain Song L	Murr	9514614005	Card	Bruce			State License Contractor	State Licensed Contract
L		Big Lots #4278		25620 Madison Ave	Murr	9516981417	Pns Stores, Inc.				Retail/Wholesale	Retail/wholesale
M		M J Electric		23947 Cadenza Dr	Murr	9516402572	Phillips	Michael J			State License Contractor	State Licensed Contract
L	Food	Joannie's Cantina		24750 Washington Ave	Murr	9096776966	Borel	Ann Rulon			Restaurants with Alcohol	Restaurant - With Alco
L	Food	David R. Plocki D. M. D.		25460 Medical Center C	Murr	9516984681	Plocki D.M.D.	David R			Medical/Dental	Medical/dental
M		Amerc Inc.		23437 Abury Ave	Murr	9516771078	Murphy	Sue			State License Contractor	State Licensed Contract
H		Temecula Auto Body & Paint, Inc.		41196 Nick Ln	Murr	9096779619	Volpe	John			Auto Repair	Auto Body & Paint
L		Murrieta Landscape Material, Inc.		24975 Adams Ave	Murr	9096776509	Burnside	James			Hardware/Home Improvement	Hardware/home Impro
L		Transit Sales International - fluid dispose of?		35400 Antelope Rd	Murr	9516721453	Carson	Dale E			Equipment Rental	Equipment Rental/heav
H		Custom Wire Works		26664 Pierce Cir #B	Murr	9096779473	Corseello	Christopher John			Auto Repair	Auto Repair
H		Ricks Automotive Center		41419 Pear St Ste 8	Murr	9516967707	Knapp	Charles R			Auto Repair	Auto Repair
L		Cryoquip Inc. - onsite retention BMP		25720 Jefferson Ave	Murr	9516772060	Billman	Patrick	Grillo	Frank	Manufacturer	Manufacturing
M		Pickup Repair Services		40645 Via Diamante	Murr	9094619508	Dean	Mark C			Business Services	Handyman
L	WSC	Carl's Jr. #1387		40375 Murrieta Hot Sp	Murr	9094610348	Mc Clure	Dana	Karcher	Bernard	Restaurants without Alcohol	Restaurant - No Alcoho
L		Chevron Usa Inc.		40500 California Oaks R	Murr	9258276662	Chevron Usa Inc.				Gas Station	Gas Station
H	WSC	Rancho West Landscape, Inc. - outside storage		28325 Somers Rd	Murr	9513013979	Duncan	Greg			State License Contractor	Landscape Contractor
L		J & W Redwood, Inc. - outside storage		25217 Jefferson Ave	Murr	9096980215	Jennings	Clyde	Jennings	Charles		Hardware/home Impro
M		Mark Moore Enterprises Lawn Service		40575 California Oaks R	Murr	9099268761	Moore	Mark P	Moore	Lisa	Gardening/Landscaping	Gardening/landscaping
L		Chevron Food Mart	Chevron	40500 California Oaks R	Murr	9096969572	Sparks	Adam M	Duffy	Mary L	Convenience Store	Convenience Store
L	Food	McDonald's Murrieta		39888 Los Alamos Rd	Murr	9516980725	Arcos De Oro Inc.				Restaurants without Alcohol	Restaurant- No Alcohol
H		Ramona Tire & Service Center		25013 Madison Ave	Murr	9096524363	Ramona Tire, Inc.				Auto Repair	Auto Repair
M		Commercial Cleaning Specialist		40637 Symeron Way	Murr	9092355200	Shean	Kevin			Janitorial/Housekeeping	Janitorial/housekeeping
L		Excaliber Fuels #5		40648 California Oaks R	Murr	9516989450	Berri	Hussein			Gas Station	Service Station,Carwas
H	Manufac	Kingman Industries, L L C		26370 Beckman Ct	Murr	9516981812	Kingman Industries				Manufacturer	Manufacturer/Cosmeti
L		Kemmis Equipment Inc. - Storage yard		25800 Washington Ave	Murr	9516777650	Kemmis Jr.	Quincy J			State License Contractor	State Licensed Contract
L		Temecula Motorsports, Inc.		26860 Jefferson Ave #A	Murr	9096984123	Gilding	Jerome	Acton	Phil	Retail/Wholesale	Retail/Wholesale
M		Christopher Co.		24326 Corte Aldalano	Murr	9514617335	Cherry	Chris			State License Contractor	State Licensed Contract
L		Bear Creek Pest Control Inc.		42805 Fig St	Murr	9516001398	Gallo-woolsey	Mary E			Pest Control	Pest Control
L		P & G Precision, Inc.		41658 Ivy St #115	Murr	9096965553	Goodfellow	Peggy			Manufacturer	Manufacturer
H		L A Black Co., Inc.	Black's	25760 Washington Ave	Murr	9516779323	Black	Leroy A	Olsen	Ione	Auto Repair	Automotive Repair
L		Nittobo America Inc. - Immunology	Db a Inte	25549 Adams Ave	Murr	9516775629	Sakae	Tatsuo	Vanella	Eduardo	Manufacturer	Manufacturer
L		Smart & Final Stores L L C Db a	Smart &	25060 Madison Ave	Murr	3238697594	Smart & Final Store				Grocery Store	Grocery Store,etc.
H		Superior Ready Mix Concrete, L.P.		26165 Adams Ave	Murr	9096967484	Superior Ready Mi	L.P.			Manufacturer	Manufacturer
H		Faith Quality Auto Body, Inc.		41130 Nick Ln	Murr	9516988215	Amaradio Jr.	Lee			Auto Repair	Auto Body Repair Shop
M		T D Catering		41569 Eastman Dr	Murr	9513040101	Dinh	Tien Thanh			Mobile Vendors (catering/ice	Mobile Vendors (Cateri
L		De Anza Termite & Pest Control, Inc		25050 Adams Ave	Murr	9096778770	Dormanen	Ron	Dormanen	Tarrie	Pest Control	Pest Control
M		Zepeda Plumbing, Inc.		41755 Elm St #402	Murr	9514454925	Zepeda	John			State License Contractor	State Licensed Contract
H		Auto Techniques		41340 Pear St #15	Murr	9096987638	Gonzalez	Anthony			Auto Repair	Auto Repair
L		The Pet Stop		40477 Murrieta Hot Sp	Murr	9096982464	Dillingham	Shelden			Pet Store/Kennels/Boarding	Pet Store/Kennels/Boa
H		Black's Towing And Storage - storage yard?		25760 Washington Ave	Murr	9516779645	Black	Leroy			Towing	Towing & Storage Of Vi
H		Caliber Bodyworks, Inc. Db a	Caliber	41416 Pear St	Murr	9516773533	Grimshaw	Steven H	Kliewe	Robert L	Auto Repair	Auto Repair
L		Ralphs Grocery Co.	Ralphs	40545 California Oaks R	Murr	9516988292	Hughes Markets, In				Grocery Store	Grocery Store
L		Ralphs Grocery Co.	Ralphs	40473 Murrieta Hot Sp	Murr	9516981767	Hughes Markets, In				Grocery Store	Grocery Store
L		Coldstone Creamery 256		25395 Madison Ave D1	Murr	9513049777	Kaczmariski	John			Food Store (novelty)	Food Store (Novelty)
H		P And T Service Specialties Inc.		26500 Jefferson Ave #E	Murr	9516001880	Klobetanz	Paul	Klobetanz	Traci	Auto Repair	Auto Repair
L	Food	Popeyes Chicken & Biscuits		25336 Madison Ave	Murr	9093041331	Amirian	Nareh			Restaurants without Alcohol	Restaurant - No Alcoho
L	Food	Thomas Mgmt, Inc Db a	Kentuck	40702 California Oaks R	Murr	9516962250	Thomas	Edward M			Restaurants without Alcohol	Restaurant - No Alcoho
L	Food	Jack In The Box #3248		39878 Los Alamos Rd	Murr	6195712611	Lang	Linda A	Sachs	Harold L	Restaurants without Alcohol	Restaurant - No Alcoho
M		Lewis Valley Contractors, Inc.		41430 Los Alamos Rd	Murr	9516775675	Armbruster	Keith	Hunter	James L	State License Contractor	State Licensed Contract
L	Food	Corner Pocket Sports Cafe, Inc.		40575 California Oaks R	Murr	9096777155	Maris	Mircea S			Restaurants with Alcohol	Restaurant - With Alco
M		J T K Construction, Inc.		26309 Sweet Gum Ct	Murr	9516965158	Kirkpatrick	Jack			State License Contractor	State Licensed Contract

BUSINESS IN MURRIETA

Priority	Type	Firm Name	Firm Na	Firm Address	Firm	Phone Num	Owner LName 1	Owner FName 1	Owner LName 2	Owner FNa	Business Type Description	License Description
L	Food	The Mill		24690 Washington Ave	Murr	9516770960	Westfall	Linda	Westfall	Dirk	Restaurants with Alcohol	Restaurant - With Alcol
L		Autozone #5566		40950 California Oaks R	Murr	9096776206	Autozone West, In				Auto Parts	Auto Parts
L		Bet Plastics & Machinery		26608 Pierce Cir	Murr	9096984349	Bauer	Tom E			Manufacturer	Manufacturer
M		R P M		41690 Nola Ann Pl	Murr	9096771014	Purcell	Richard			State License Contractor	State Licensed Contract
L		Medical Extrusion Technologies, Inc		26608 Pierce Cir	Murr	9096984346	Bauer	Tom E	Bauer	Rikki	Manufacturer	Manufacturer
L		Tom Knight Trucking - storage yard?		24340 Washington Ave	Murr	9096777777	Knight	Tom	Knight	Annett	Transportation/Passengers(tax	Transportation-trucking
M		Britlind Corporation DbA - Pools	Sandp	41507 Cherry St	Murr	9516965188	Kutzke	Ronald L			State License Contractor	State Licensed Contract
L		Petsmart, Inc. #129		25290 Madison Ave	Murr	9096969847	Petsmart, Inc.				Pet Store/Kennels/Boarding	Pet Store/kennels/boar
M		F. P. Contracting Inc.		41558 Eastman Dr Bldg	Murr	9097575222	Folcka	Ron			State License Contractor	State Licensed Contract
M		Stonecrest Custom Homes, Inc.		40184 Julianne Dr	Murr	9518378371	Debate	Don			State License Contractor	State Licensed Contract
L	Food	Wings-N-Things		40942 California Oaks R	Murr	9096960168	Sam	Sam & Caryl			Restaurants with Alcohol	Restaurant - With Alcol
M		Pacific Coast Builders &	Remode	25755 Jefferson Ave	Murr	9516775526	Boucher	Michael A			State License Contractor	State Licensed Contract
L		Murrieta Machine Shop		24890 Washington Ave	Murr	9516775241	Garrison	Arlean V			Repair Services	Repair Services
L	Food	Moondoggies		39665 Avenida Acacias	Murr	9516985003	Piazza	Maya			Pet Grooming	Pet Grooming
L		California Pet Care Inc., DbA	Doctors	25182 Hancock Ave	Murr	9516987387	Koorhan Dvm	Laurie D	Koorhan	Glenn S	Veterinarian Hospital	Veterinary Hospital
L		Boydco Equipment Rentals, Inc.		40337 Via Reata	Murr	9516985955	Sumner	Boyd J			Equipment Rental	Equipment Rental
M		Valley Pacific Concrete		27580 Tabb Ln	Meni	9516726151	Russo	Kristi M			State License Contractor	State Licensed Contract
M		Quality Construction		35750 Greer Rd	Murr	9096792459	Castens	Danny	Castens	Elizabeth K	State License Contractor	State Licensed Contract
M		Schwan's Home Service, Inc.		27412 Enterprise Cir W	Tem	9096967680	Flack	Greg	Dollive	Jim	Mobile Home Parks	Mobile Vendors (cateri
M		Titan Engineering, Inc.		25787 Jefferson Ave	Murr	9516007079	Parra	Peter	Coburn	Raymond	State License Contractor	State Licensed Contract
L		Villa Mesa Development Inc. - storage yard		24810 Washington Ave	Murr	9516988998	Jurado	Casey			State License Contractor	State Licensed Contract
L	Food	Mega Tom's Burgers Inc.		25201 Madison Ave	Murr	9516989976	Markou	George			Restaurants without Alcohol	Restaurant - No Alcoho
M		Superior Insulation & Acoustics		38261 Iris Way	Murr	9518942055	Sechler	Jeff			State License Contractor	State Licensed Contract
H		Express Tire		40615 California Oaks R	Murr	9096965200	L & M Tire Compar				Auto Repair	Auto Repair
L		J B H Structural Concrete, Inc.		28175 Lee Ln	Murr	9516769042	Hale	Jeffery B			State License Contractor	State Licensed Contract
L		Chevron Stations Inc. #1903		24625 Madison Ave	Murrieta, CA 92562		Chevron Stations I				Convenience Store	Convenience Store
L		Valley Veterinary Clinic		25095 Jefferson Ave #1	Murr	9516777811	Gary W. White	Dvm			Veterinarian Hospital	Veterinarian/animal Ca
M		Maria Nunez Cleaning Services		41909 C St	Murr	9516964565	Nunez	Maria C			Janitorial/Housekeeping	Janitorial/housekeepin
L	Food	Subway #23203		25377 Madison #105	Murr	9516002572	Prajapati	Ashvin			Restaurants without Alcohol	Restaurant - No Alcoho
L		Apex Conveyor Manufacturing		41674 Corning Pl	Murr	9513047808	Hill	David And Barbara			Manufacturer	Manufacturer
M		S & L Enterprises Inc. DbA	S & L Pr	26871 Hobie Cir #AS	Murr	9096984030	Sorah	John J			Real Estate Developer/Propert	Real Estate Developer/i
M		Patterson Signs, Inc.		41083 Sandalwood Cir	Murr	9516930823	Patterson	Bruce A			State License Contractor	Electrical Sign Contract
H		Murrieta Transmission		26500 Jefferson Ave #C	Murr	9516967733	Smith	Harry W	Smith	Martha M	Repair Services	Repair Services
M		L & L Grinding Company - house		42350 Shaw Ln	Murr	9096776822	Helms	Lindy			Repair Services	Repair Services
L		Sun Valley Pool & Spa Supply - storage?		25100 Hancock Ave #10	Murr	9096984550	Gentaras	Stan	Hall	Rick	Retail/Wholesale	Retail/wholesale
L		California Veterinary Specialists		25100 Hancock Ave #11	Murr	9516009803	Concannon	Tim			Veterinarian Hospital	Veterinary/Animal Care
L		Mc Call's Country Canning Inc.		41735 Cherry St	Murr	9094612277	Mccall	Dan			Manufacturer	Candle Manufacturer
M		Marshman Construction Inc.		41601 Cherry St #A	Murr	9516983550	Marshman	Gary	Marshman	Carole	State License Contractor	State Licensed Contract
M		Can-Am Custom Drywall		42368 Dusty Tr	Murr	9096982872	Mann	Greg			State License Contractor	State Licensed Contract
M		A & M Car Care Co.		40575 California Oaks R	Murr	9096982545	Lizarraga	Albert			Auto Detailing	Auto Detailing
H		Murrieta Tires & Service Center Inc.		41991 Ivy St	Murr	9096773252	Gonzalez	Mr. & Mrs. David And Kemberlye			Auto Repair	Auto Repair
L	Food	Del Taco, L L C #249		40465 Alta Murrieta Dr	Murr	9096770819	Murphy	Paul	Lopez	Shirlene	Restaurants without Alcohol	Restaurant - No Alcoho
L		American Industrial Manufacturing	Services	41673 Corning Pl	Murr	9096983379	Lewis	James T			Manufacturer	Manufacturer
M		Michele Cruz House Cleaning		39676 Avenida Miguel	Murr	9099701123	Cruz	Michele			Janitorial/Housekeeping	Janitorial/housekeepin
L		Mulligan Murrieta Limited		24950 Madison Ave	Murr	9096969696	Claessens	Georgia	Robert Thomas	William	Amusement Centers/Arcade	Family Amusement Cer
L		Elite Cabinetry, Inc. - paints / solvents		25755 Jefferson Ave	Murr	9516985050	Silva	Paul			Manufacturer	Cabinet Manufacturer
L		Murrieta Volkswagen		41300 Date St	Murr	9518946555	J C H Investments I		Bulthaup	Tevia	Auto Dealerships	Auto Dealerships
M		Advanced Pool & Spa Service		26419 Oaklington Rd	Murr	9096989991	Brooks	John			Repair Services	Pool/Spa Repair Service
L		Allied Traffic And Equipment Rentals, Inc.		41806 Ivy St	Murr	9516966950	Sjobom	Michael P	Young	Craig R	Equipment Rental	Equipment Rental
L		Utah Pacific Construction Co. - storage / drainage		40940 Eleanora Way	Murr	9516779876	Young	Craig			State License Contractor	State Licensed Contract
M		J. G. Stouse Constructors		24630 Washington Ave	Murr	9516969354	Stouse	Jack			State License Contractor	State Licensed Contract
L		Kemmis Lowbed, Inc. DbA	Lowbed	25800 Washington Ave	Murr	9516777787	Kemmis Jr.	Quincy J			Transportation/Trucking	Transportation/truckin

BUSINESS IN MURRIETA

Priority	Type	Firm Name	Firm Na	Firm Address	Firm	Phone Num	Owner LName 1	Owner FName 1	Owner LName 2	Owner FNa	Business Type Description	License Description
L		Nuphoton Technologies, Inc.		41610 Corning Pl	Murr	9516968366	Pillai	Ramadas M			Manufacturer	Mfg Of Fiber Optic Am
L		All Creatures Animal Hospital		40165 Murrieta Hot Spr	Murr	9516000830	Ahmed	Nisar	Ahmed	Rakhshanda	Veterinarian Hospital	Animal Hospital
M		Wicklow Enterprises, Inc.		42880 Brown St	Murr	9516966954	Wicklow	James L			State License Contractor	State Licensed Contract
M		Ramos Electric		42205 Pomerado Dr	Murr	9516772329	Ramos	Ildelfonso 'Ponch'			State License Contractor	Electrical Contractor
L		City Bagel And Bakery Llc		39872 Los Alamos Rd #	Murr	9516777559	City Bagel And Bak				Food Store (novelty)	Bagels,sandwiches,coff
L		Enterprise Rent-A-Car		41152 Nick Ln	Murr	9094612776	Gomez	David	Schatz	Timothy	Auto Rental	Car Rental
M		Tidy Team""		24990 First Ave	Murr	9096002728	Huerta	Concepcion			Janitorial/Housekeeping	Janitorial/housekeepin
H		Omega Automotive Repair Inc.		26871 Hobie Cir Ste C6	Murr	9096987754	Durivage	Daniel A			Auto Repair	Auto Repair
L		Farmer Boys Restaurant		41300 Kalmia St	Murr	9513049400	Green	Richard			Restaurants without Alcohol	Restaurant-No Alcohol
M		Discount Pool & Spa		40034 Gibraltar Dr	Murr	9094613362	Rosene	Richard C			Business Services	Business Services
L		Country Kennels, Inc. - dispose of waste?		25817 Washington Ave	Murr	9096776031	Bruesch	Patty	Bruesch	Gary	Pet Store/Kennels/Boarding	Pet Store/kennels
M		Steve French Masonry, Inc.		23876 Constantine Dr	Murr	9516986704	French	Donald S			State License Contractor	Masonry Contractor
L		Connective Tissue Imagineering		41525 Cherry St	Murr	9513040078	Sandberg	L.B.	Pappas	Harry J	Manufacturer	Cosmetics Manufacture
M		Nelson Development Llc		41120 Elm St Ste H	Murr	9516961256	Nelson	Jim			State License Contractor	State Licensed Contract
L		D L E Collision Reconstruction		41185 Golden Gate Cir	Murr	9516980051	Edgar	Douglas L			Business Services	Business Services
L		Pizza Factory - Murrieta West		23811 Washington Ave	Murr	9516986118	Freeden	Robert			Restaurants without Alcohol	Restaurant - No Alchoh
L		Sernio Brothers Inc. Dba	El Gordi	39413 Los Alamos Rd #	Murr	9516771700	Serna	Ramiro			Restaurants with Alcohol	Restaurant W/Alcohol
L		S C Pools & Landscapes, Inc.		24840 Washington Ave	Murr	9513040195	Currie	Stephen E			State License Contractor	Landscaping Contractor
L		Kahoots - storage yard?		41711 Ivy St	Murr	7607893003	Bittinger	Michael J			Retail/Wholesale	Retail/wholesale
M		Advanced Chimney Cleaning		37163 Santarosa Glen C	Murr	9516988676	Crankshaw	Steve	Crankshaw	Gail	Janitorial/Housekeeping	Cleaning And Repairing
L		Bimbo Bakeries Usa, Inc. Dba	Entenm	26019 Jefferson Ave #D	Murr	9093049975	Prince	Gary	Reyna	Renaldo	Food Store (novelty)	Food Store (novelty)
M		Hot Water Pros, Inc. Dba	Pro-Tec	41419 Pear St #11	Murr	9516774911	McGowan	Roy			State License Contractor	Plumbing Contractor
H		A-1 Murrieta Auto Repair		26622 Jefferson Ave Ste	Murrieta, CA 92562		Valdez	Simon F	Valdez	Alejandro	Auto Repair	Auto Repair
M		Black Diamond Properties		26143 Jan Valerie Rd	Murr	9512353934	Montoya	Steven M			State License Contractor	State Licensed Contract
L		O'Reilly Auto Parts #2978	C S K Au	40951 California Oaks P	Murr	9096962991	Hensee	Greg	C S K Auto, Inc.		Auto Parts	Auto Parts
L		Samis 5 Market & Liquor		39840 Los Alamos Rd #	Murr	9516988859	Salhab	Fayek			Convenience Store	Convenience Store
L		Amanda Park Apartments		24425 Skyview Ridge D	Murr	9096987046	Ap II Murrieta, Lp		Srf Enterprises Inc		Rental-Commercial	Rental - Commercial
M		Raul Romero		37642 Early Ln	Murr	9096002930	Romero	Raul			Handyman	Handyman
H		Temecula Valley Commercial Tires, Inc.		41735 Elm St #401	Murr	9516779988	Kubski	John	Kubski	Nancy	Auto Repair	Tire Repair
M		Ron Schaeffer Landscape & Tree Nursery		41591 Ivy St	Murr	9516962287	Schaeffer	Ronald Gene			State License Contractor	Landscape Constructio
L		Target Corporation - outside storage / nursery		41040 California Oaks P	Murr	9096967527	Target Corporation				Retail/Wholesale	Retail/Wholesale
M		Tom Lyons Construction		23811 Washington Ave	Murr	9517577891	Lyons	Tom			State License Contractor	State Licensed Contract
M		Taylor Made Pools Inc.		24570 Adams Ave	Murr	9515265777	Taylor	Gary			State License Contractor	Swimming Pool Contra
M		Tiger Concrete Pumping		28341 Daffodil Way	Murr	9516797891	Gaeta	Jesus R			Business Services	Concrete Pumping (offi
M		Exterior Designs Landscaping, Inc.		28533 Perry Rd	Murr	9516771585	Steven E. Lange	Pres			State License Contractor	State Licensed Contract
L	Food	Los Jilberto's Taco Shop		25021 Madison Ave 104	Murr	7605183703	Rodriguez	Nuria	Rodriguez	Adolfo	Restaurants without Alcohol	Mexican Food - No Alcc
L	Food	B & J, LLC	Dba Car	23761 Washington Ave	Murr	9512726277	McClure	Dana	Karcher	Gary	Restaurants without Alcohol	Fast Food Restaurant -
H		Ewles Materials - recycle concrete?		26160 Adams Ave	Murr	7148941988	Ewles	John B	Ewles	Larry J	State License Contractor	State Licensed Contract
L	Food	Starbucks Coffee #6976		23811 Washington Ave	Murr	2063188705					Starbucks Corporation	Food Store (novelty)
L		Pro Wall Lath & Plaster Inc.		41574 Corning Pl	Murr	7604809001	Kathawa	Mary			State License Contractor	Plastering Contractor
L		Southwest Precision Machining		41615 Date St Ste 103	Murr	9516776854	Aveno	Richard			Manufacturer	Machine Shop (Manufa
H		Jefferson Smog Test Only Center		26622 Jefferson Ave #1	Murr	9518941021	Hernandez	Ray R	Hernandez	Marisela	Auto Repair	Smog Testing And Repa
L		Enterprise Leasing Company Of Los Angeles D B A	Enterpr	26881 Jefferson Ave # E	Murr	9098013820	Cole	Robert	Tofolo	Kelly	Auto Rental	Rental Cars
L	Food	S & S Subway Inc. D B A	Subway	23811 Washington Ave	Murr	9098186551	Sud	Shipra		Onkar	Restaurants without Alcohol	Sandwich Shop
H		Mc Kinney Motorsports Inc.		26450 Jefferson Ave #B	Murr	9093049300	Mc Kinney	Walter	Mc Kinney	Gary	Auto Repair	Auto Repair
L		Giant R V		24700 Madison Ave	Murr	9099810444	Barouti	Bob Behzad			Auto Dealerships	R V Sales
L		Eagle Glen Apartment Homes L L C Dba	Eagle Gl	38245 Murrieta Hot Spr	Murr	9492612727	Eagle Glen Apartm				Rental-Residential	Apartment Owners
M		Shay Construction		41705 Elm St #302	Murr	9512611770	Shay	Brent			State License Contractor	General Contractor
L		Pler Dba Pipe Line Equipment Rental		25126 Adams Ave	Murr	9518947473	Hammerton	Ronald S	Larson	Michelle	State License Contractor	Pipeline Construction
L		United Towing Service, Inc. - next 2 creek		26170 Adams Ave	Murr	9096762826	Moore	Gene	Moore	Pat	Towing	Towing And Storage
L		Richie's Precision Machining, Inc.		26372 Deere Ct #D & E	Murr	9516777726	Stamper	Richard			Manufacturer	Motorcycle, Aircraft Pa
M		Mc Bratney Company - Kemmis same address		25800 Washington Ave	Murr	9516770263	Young	Craig R	Mc Bratney	Jeffrey B	State License Contractor	State Licensed Contract

BUSINESS IN MURRIETA

Priority	Type	Firm Name	Firm Na	Firm Address	Firm	Phone Num	Owner LName 1	Owner FName 1	Owner LName 2	Owner FNa	Business Type Description	License Description
H		S & T Saab Volvo Specialists		26622 Jefferson Ave #1	Murri	9518942333	Danh	Sonny			Auto Repair	Auto Repair Shop
L		S R S Engineering Corporation		25783 Jefferson Ave #1	Murri	9515262239	Hawranik	Clayton	Hawranik	Dean	Manufacturer	Solvent Distillation Syst
L		Bull's Eye Pest Control		41725 Elm St Ste 403	Murri	9514618889	Durst	Karl	Durst	Mindi	Pest Control	Pest Control
M		Modern Drywall, Inc.		23811 Washington Ave	Murri	9514711550	Neilsen	Mark			State License Contractor	Drywall Contractor
L		De Jong Manufacturing		26372 Deere Ct # A	Murri	9515385579	De Jong	Shelly	De Jong	Vincent	Manufacturer	Mfg Of Tooling,Fixtures
M		Environmental Concepts Landscape Management Inc.		26489 Kelvin Ct	Murri	9515876551	Hill	Ron			State License Contractor	Landscape Contractor
H		Kinch's Radiator & Air Conditioning		41214 Sandalwood Cir	Murri	9516009358	Kinch	Gary T			Auto Repair	Muffler Sales, Service
L		Ralphs Grocery Company #118		23751 Washington Ave	Murri	9516772297		Ralphs Grocery Co	Kasper	Mary	Gas Station	Gas Station
H		James Allen Inc. Db	James A	41109 Sandalwood Cir	Murri	9513040563	Moat	James A			Auto Repair	Auto Body & Paint
M		Primus Contracting Group, Inc.		41146 Elm St	Murri	8016937270	Molin	Thomas W	Knight	Devan	State License Contractor	General Contractor
H		Wild Bill's Performance		26586 Jefferson Ave #A	Murri	9514610688	Banta	Tracy	Banta	William	Auto Repair	Automotive Service
M		Diligent Contractors Inc.		42095 Zevo Dr #A-11	Tem	9512960930	Greer	William	Stephens	Peter	State License Contractor	General Contractor
M		Big City Signs, Incorporated		26692 Pierce Cir #F	Murri	9516969390	Borne	Paul			State License Contractor	Sign Installation
L		Osborne Automotive Machine & Balancing		26692 Pierce Circle Ste	Murri	9516009331	Osborne	Larry	Osborne	Judith	Repair Services	Repair (Machine Parts)
L	Food	Seven Seventy Nine Company, Inc. Db	Internat	25340 Madison Ave	Murri	9516000777	Mac Pherson, J R	Rod	Sandnes	Richard	Restaurants without Alcohol	Full Service/no Alchohc
L	WSC	Rustico Enterprises Inc. Db	Rustico	29940 Hunter Rd #102	Murri	9516985151	Cusimano	Francesco	Cusumano	Joseph M	Restaurants with Alcohol	Italian Restaurant
L	WSC	Sam's West, Inc. Db	Sam's C	40492 Murrieta Hot Sp	Murri	4792047167	Scott Jr.	H. Lee	Brazile	Rick W	Gas Station	Gas Station
L	Food	Panda Express, Inc. Db	Panda E	25312 Madison Ave #10	Murri	6267999898	Jin-chan Cherng	Andrew	Tsiang Cherng	Peggy	Restaurants without Alcohol	Chinese Fast Food Rest
L	WSC	Grubby Dogs Holdings Co.	Grubby	26696 Margarita Rd #20	Murri	9514619909	Burleson	Debra	Burleson Jr	Charles E	Pet Grooming	Dog Grooming Service
M		Epoxy Garage Floor Specialists - no wash out 2 st		29596 Royal Burgh Dr	Murri	9516000996	Roth	Michael J			Business Services	Garage Floor Painting
L	Mobile	Adams Landscaping, Inc. - ck out yard		26050 Hoover St	Murri	9516949787	Adams	Marc	Adams	Dorothy	State License Contractor	Landscaping
L	Food	Sidelines Sports Bar & Grill		24910 Washington Ave	Murri	9514612188	Herbert	Pamela	Herbert	Jason	Restaurants with Alcohol	Sports Bar And Grill
M		Pli-Dek, Inc.		41610 Date St Ste 104	Murri	9518349550	Zember	Jeffrey D	Zember	Louis J	State License Contractor	Concrete Contractor
H	WSC	Chevron Stations Inc. - next to ESA	Chevron	39440 Murrieta Hot Sp	Murri	9258424259		Chevron Stations In	Sparks	Adam M	Convenience Store	Gas Station/ Convenir
H		Autohaus Frankfurt, L L C		41137 Raintree Ct	Murri	9518942985	Krottmayer	Herbert	Krottmayer	Hilda	Auto Repair	German Auto Repair
H	WSC	K A Management Inc.	Murriet	40452 Murrieta Hot Sp	Murri	8.584E+12	Agahnia	Kayvon	Assi	Kaream Ali	Gas Station	Gas Station/ Car Wash/
M		S & S Interior Finish, Inc.		41705 Elm St #402	Murri	9513042027	Leonhart	Steve	Douglas	Steve	State License Contractor	Door & Trim Contractor
L	WSC	Sonic Foods Inc. Db	Papa Jo	40770 California Oaks P	Murri	7149933535	Shah	Sam			Restaurants without Alcohol	Pizza Restaurant - No A
H		West Coast Automotive/West Coast Viper		41141 Raintree Ct	Murri	9516774546	Horton	John			Auto Repair	Auto Repair Shop
L		East West Trees, Llc - nursery	East We	35810 Fireman's Cir	Murri	4156480772	Nadler	Saul	Doljanin	Peter	Retail/Wholesale	Wholesale Growers
L		Kay Dan Pets & Supplies		29910 Murrieta Hot Sp	Murri	9514739250	Brown	Daniel	Brown	Tamara	Pet Store/Kennels/Boarding	Pet Store/Supplies
M		Jam Underground, Inc.		41638 Eastman Dr #A	Murri	9514611721	McClain	Jeff	McClain	Julie	State License Contractor	Underground Contract
L	Food	M S R Mexican Food		40575 California Oaks P	Murri	9516984410	Maldonado	Santiago	Luz Maldonado	Maria	Restaurants with Alcohol	Full-Service Restaurant
H		Nama Automotive Solution Inc.		41421 Date St Ste. 102	Murri	9518941034	Mohajeri	Matthew			Auto Repair	Auto Repair
L	WSC	Coastline Food Service Corporation Db	Wendy's	40460 Murrieta Hot Sp	Murri	8656911393	Cardinal	John M			Restaurants without Alcohol	Fast Food
L		Wicked Image Inc.		41615 Date St #108	Murri	9518942929	Quinones	Anthony	Quinones	Albert	Manufacturer	Design, Mfg Motorcycl
L		S C P LLC		41675 Cherry St	Murri	9518941220	Wamsley	Eugene	Perez	Manny	Retail/Wholesale	Wslie Pool Supply Distri
H		Robertson's Ready Mix, Ltd.		26190 Adams Ave	Murri	9516852200	Troesh	Jon	Troesh	Dennis	Manufacturer	Ready-Mix Concrete
M		Provance Roofing Services		26811 Hobie Cir #5	Murri	9519065334	Provance	Craig			State License Contractor	Roofing Contractor - Of
H		Jefferson R V Storage Llc Db	Murriet	25698 Adams Ave	Murri	9516778639	Hubby Jr.	Lindsay L	Hubby	Dave	Storage/Self Storage	R V/Boat Storage/No V
L		Mapleton Commons L L C Db	Sonoma	33600 Mapleton Ave	Murri	9513015110	Mapleton Commo				Rental-Residential	Apartment Complex
M		H C C Construction, Inc.		25265 New Clay St	Murri	9516777921	Hollister, Jr	Jerry	Rohrbacher	Cynthia	State License Contractor	State Lic Contractor
M		E D I Contracting, Inc.		39815 Alta Murrieta Rd	Murri	9516984742	Moayedi	Siamak	Moayedi	Comeran	State License Contractor	State Lic Contractor
H		E Z Lube L L C	E Z Lube	40430 California Oaks P	Murri	9516962882	Marsala	Guyam	Archer	Mark	Auto Repair	Oil Changes
M		Matt Hudson Construction		40005 S Shore Dr	Fallbr	6194367827	Hudson	Matt			State License Contractor	General Contractor
H		Innovative Mobile Auto Body, Inc. Db	Body W	26871 Hobie Cir #C1 C2	Murri	9516964779	Albin	Douglas E	Albin	Alicia M	Auto Repair	Auto Body Repair
L	Food	Starbucks Corporation	Starbuc	25175 Madison Ave #10	Murri	2063188705	Schultz	Howard	Clark	Karyl	Retail/Wholesale	Retail/Coffee House
M		Total Restoration Inc. Db	Service	41551 Date St	Murri	9514454005	Bottjer	Mark	Bottjer	Barbara	State License Contractor	Fire/Water Restoration
L		Platinum Concrete Contractors, Inc.		25422 Trabuco Rd #109	Lake	9493407666	Carter	Randall	Brownlee	Donald	State License Contractor	State Lic Contractor
H		P S I Waterjet & Fabrication		41218 Nick Ln	Murri	9097217239	Broughton	Timothy			Manufacturer	Manufacturer/Fabricati
L		P L H Interest, L L C	Murriet	24651 Washington Ave	Murri	9516960626	Hamilton	Peter			Funeral/Crematory/Cemeterie	Funeral Home
H	WSC	Eduardo Diaz Iron Works - aluminum patio's		34150 Antelope Rd	Murri	9516724550	Diaz	Eduardo			Manufacturer	Customized Mfg Of Wr

BUSINESS IN MURRIETA

Priority	Type	Firm Name	Firm Na	Firm Address	Firm	Phone Num	Owner LName 1	Owner FName 1	Owner LName 2	Owner FNa	Business Type Description	License Description
L		C M S Circuit Solutions, Inc.		41549 Cherry St	Murr	9516984452	Steddum	Clark	Steddum	Cheryle L	Manufacturer	Electronic Component I
M		Danny Klein Building Services		27152 Fitzgerald Pl	Meni	9516796699	Klein	Daniel			Handyman	Handyman Service
M		S K Douglas Construction		500 Chaney St Ste G	Lake	9514712901	Douglas	Steven			State License Contractor	State Lic Contractor
L		Granite Murrieta. L L C Db	The Villa	39930 Whitewood Rd	Murr	9516980628	Db	Granite Murri	Granite Ivestment Group		Rental-Residential	Apartment Complex Ov
L	Food	Tacos Tijuana Mexican Grill, Inc. Db	Tacos Ti	39400 Murrieta Hot Sp	Murr	9516965255	Gonzalez	Marco I	Gonzalez	Daniela S	Restaurants with Alcohol	Mexican Food Restaura
L		Del Taco, L L C	Del Tacc	28055 Scott Rd	Murr	9513017111	Murphy	Paul	Lopez	Shirlene	Restaurants without Alcohol	Fast Food Restaurant
M		Carts Unlimited		40485 Murrieta Hot Sp	Murr	9514619626	Hansen	Brook	Hansen	Randy	Repair Services	Mobile Golf Cart Repair
L	Food	J W L Management Inc. Db	Richie's	40651 Murrieta Hot Sp	Murr	9516766604	Williams	Linda			Restaurants with Alcohol	Family Restaurant
L	Food	Andy's Cafe		40469 Murrieta Hot Sp	Murrieta, CA 92562		Ramirez	Andres	Ramirez	Josefina	Restaurants with Alcohol	Restaurant With Alchof
M		P M C Empire		25144 Corte De Los Paj	Murr	8003101283	Carberry	Peter M			Janitorial/Housekeeping	Carpet Cleaning (Office
L		Murrieta Budget		26528 Kelvin Ct	Murr	9514619127	Salem	Tony			Auto Rental	Truck Rental
L	Food	Jennifer Jones Db	Chick-Fi	24794 Madison Ave	Murr	9516775173	Jones	Jennifer			Restaurants without Alcohol	Fast Food Restaurant -
L	Food	Anchal & Ashish Subway, Inc Db	Subway	28039 Scott Rd	Murr	9516722773	Sud	Onkar	Sud	Shipra	Restaurants without Alcohol	Fast Food Restaurant
L	Food	Kendrick's Gardens		41529 Ivy St	Murr	9516773322	Callies	Kendrick A			Nursery/Garden -Retail & Whc	Retail - Wholesale Nurs
L		Old Murrieta Plaza Car Wash & Detail		24700 Washington Ave	Murr	9513473550	Ash	James M			Car Wash	Car Wash
L	Food	Brinker Restaurant Corp.	Chilli's G	41070 California Oaks R	Murr	9516981106	Thomson	Roger F	Mc Crory	Bryan D	Restaurants with Alcohol	Full-Service Restaurant
L		Arizona Tile L L C - outside yard, mobile		41150 Juniper St	Murr	4808939393	Traxler	Robert	Skarsten	Gary	Warehouses	Distribution Center
L		David Halle, Inc. Db	Artistic	26211 Jefferson Ave	Murr	9513043500	Halle	David	Halle	Lisa	State License Contractor	Cabinet Contractor/Mf
L	Food	The Victorian		24710 Washington Ave	Murr	9518945004	Kushner	Melinda	Kushner	Jeffrey	Food Store (novelty)	Tea Parlour & Restaura
L	Food	Starbucks Corporation	Starbuck	40735 Murrieta Hot Sp	Murr	2063188705		Starbucks Corporat	Kerns	Lisa	Food Store (novelty)	Coffee Shop
L	Food	B & J, Llc	Carl's Jr.	28023 Scott Rd	Murr	9.5127E+13	Mc Clure	Dana	Karcher	Gary	Restaurants without Alcohol	Fast Food Restaurant
L		Newman Wood Finishing		41705 Elm St #402	Murr	9516008400	Newman	Bruce			Manufacturer	Millworks & Cabinets
L	Food	Bring 'Em Home Dinners		39825 Alta Murrieta Dr	Murr	9518163258	Taylor	Steven J	Raus	Randy L	Food Store (novelty)	Meal Assembly (Do It Y
M		William Mootz Db	Jan-Pro	23811 Washington Ave	Murr	6198652786	Mootz	William			Janitorial/Housekeeping	Janitorial Services
L		Murrieta Valley Unified School District - yard		41870 McAlby Ct	Murr	9516961600	Murrieta Valley Un				Education/School/Classes/Tut	Public Entity- School Di
L	Food	Asiaican		39400 Murrieta Hot Sp	Murr	9516009119	Van Dang	Nam			Restaurants without Alcohol	Fast Food Restaurant-N
L		Woodhaven Custom Cabinetry		41795 Elm St #101	Murr	9516985264	Smith	Randy K	Smith	Mikilyn A	Manufacturer	Manufacturing Crown I
M		Apple And Beart Industries, Inc.		26371 Beckman Ct	Murr	9518944136	Wakelling	Mark	Wakeling	Brian	State License Contractor	General Contractor
M		Prime Source Investments Llc	Golden	41663 Date St Ste 101	Murr	9095533057	Montesanto	David	Ganschow	Gilbert	State License Contractor	State Lic Contractor
L	Food	Terry's Coffee Trader		24630 Washington Ave	Murr	9516772515	Carter	Sharon	Carter	Terry	Food Store (novelty)	Coffee Shop
M		P B Development Inc.		25827 Jefferson	Murr	9516985981	Palmerin	Ricardo	Palmerin	Ernie	State License Contractor	General Contractor - Of
L	Food	R J'S Sizzlin Steer Murrieta, Inc. Db	R J'S Siz	41401 Kalmia St	Murr	9516007711	Shoup	Lucinda J	Shoup	Matt B	Restaurants with Alcohol	Restaurant With Alchof
M		F M G Construction & Restoration		26825 Jefferson Ave #B	Murr	9516778866	Finley	Gil	Hotvedt	Michael	State License Contractor	General Contractor - Of
L		H & M Four Slide Inc.		25779 Jefferson Ave	Murrieta, CA 92562		Klahr	Hans			Manufacturer	Manufacture Metal Sta
H		Classic Automotive Repair Inc.	Classic A	26605 Pierce St	Murr	9516964400	Valdez	Anthony F	Valdez	Belia	Auto Repair	Automotive Repair
H		Sterling Autosport Db	Europea	26765 Madison Ave #10	Murr	9518055157	Lewis	Scott	Lewis	Deborah	Auto Repair	Automotive Repair/Ser
L		D S Waters Of America, Inc.		41611 Date St	Murr	7709331400	Schickli	Dillon	Allen	Stewart	Warehouses	Warehouse Of Bottled
L	Food	Sopranos Restaurant		39400 Murrieta Hot Sp	Murr	9514618864	Azzarelli	Joe			Restaurants without Alcohol	Coffee Shop/Restauran
L		New Albertson's Inc.	Albertsc	41000 California Oaks	Murr	9516001027	Boehnen	David L	Knous	Pamela K	Grocery Store	Retail Grocery Store W,
L		New Albertson's, Inc.	Albertsc	28047 Scott Road	Murr	9512461586	Boehnen	David L	Knous	Pamela K	Grocery Store	Retail Grocery Store W,
L		Surmet Precision Optics Inc.		41618 Eastman Dr	Murr	7813455731	Sastri	Suri A	Raman	Ramas	Manufacturer	Ceramics & Advanced f
M		E Flooring Inc. - tile guys	M J Floc	26305 Jefferson Ave Ste	Murrieta, CA 92562		Klein	Jennifer	Massa	Farid	Retail/Wholesale	Retail Flooring Store
L		Sun Solutions		26372 Deere Ct #A	Murr	9512182876	Bascom	Duane	Bascom	Shanna	Auto Repair	Glass Tinting/Vinyl Gra
L	Food	Java Jungle		40469 Murrieta Hot Sp	Murr	9516772138	Mc Elhane	Artis			Food Store (novelty)	Coffe/Smoothie Shop
H		B & F Auto Air Specialist Inc. Db	Correy E	24700 Washington Ave	Murr	9492752293	Baker	Correy D	Baker	Lisa M	Auto Repair	Mobile Auto Air Repair
M		Just Maids		24757 Washington Ave	Murr	9518379767	Jordan	Chelo	Martinez	Jose C	Janitorial/Housekeeping	Housecleaning
L	Food	Within Reach Enterprises, Llc	Java Jo	41539 Kalmia St Ste E	Murr	9515060457	Schmidt	Crystal	Schmidt	Guy M	Food Store (novelty)	Coffee Shop W/Drive-T
L	Food	Thai Orchid Restaurant		25359 Madison Ave #F	Murr	9518942863	Viphakone	Chanthara			Restaurants without Alcohol	Food Service/No Alchof
H		Precision Auto Electric Air & Conditioning		41537 Cherry St	Murr	9516001406	Trask	Mick			Auto Repair	Auto Repair/Police Out
H		Chris Auto Collision		41610 Date St #101	Murr	9513041007	Manzo	Christina			Auto Repair	Auto Body And Paint
L		G B Sports		41588 Eastman Dr	Murr	9516982390	Lutgert	Erik			Manufacturer	Wake Board Manufactu
L	Food	Submarina Murrieta Hot Springs		40444 Murrieta Hot Sp	Murr	9516961695	Audibert	Vonnie	Audibert	Robert	Food Store (novelty)	Sandwich Shop

BUSINESS IN MURRIETA

Priority	Type	Firm Name	Firm Na	Firm Address	Firm	Phone Num	Owner LName 1	Owner FName 1	Owner LName 2	Owner FName 2	Business Type Description	License Description
L		Showroom Motors, Llc	Showro	25819 Jefferson Ave Ste	Murr	9517955272	Weaver	Jeff	Ibarr	Fabian	Auto Dealerships	Pre-Owned Auto Sales
H		A & C Performance And Service		25851 Jefferson Ave	Murr	9516960500	Abrams	Todd	Carrasco	Mike	Auto Repair	Automotive Alignment
L	Food	Diversified Group Llc	Booster	24635 Madison Ave #B	Murr	9492339823	Fernando	John	Fernando	Denyce	Food Store (novelty)	Smoothie & Juice Bar
M		Rare Earth Systems Construction-Landscape		40575 California Oaks R	Murr	9517575789	Crary	Christopher A			State License Contractor	State Lic Contractor
L		Waterzon+		40404 California Oaks R	Murr	9513047315	Yi	Sang Y			Retail/Wholesale	Water, Juice Sales Store
M		All Phase Carpentry, Inc.		26371 Beckman Ct #H	Murr	9516781604	Studley	Richard D	Studley	Cindy Y	State License Contractor	State Licensed Contract
L	Food	Valles Corp. Llc	Quiznos	40663 Murrieta Hot Spr	Murr	6192466400	Valles	Ernesto			Restaurants without Alcohol	Fast Food Restaurant
L	Food	Submarina		40970 California Oaks R	Murr	9513049970	Mason	Joseph L	Mason	Colleen	Restaurants without Alcohol	Sandwich Shop
L	Food	Restaurant Cleaning Solutions Llc Db	Restaur	26047 Jefferson Ave #D	Murr	9516744711	Rawlins	Jeff			Manufacturer	Light Cleaning Solution
L		Petco Animal Supplies Stores, Inc.	Petco #	24480 Village Walk Pl	Murr	9516915063	Hall	Bruce	Myers	James	Retail/Wholesale	Retail Pet Store And Gr
H		California Auto Centers Inc.		41421 Date St Ste. 104	Murr	9516984886	Becht	Joseph			Auto Repair	General Automotive Re
M		Castle Flooring - tile wash out		41110 Sandalwood Cir	Murr	9519413557	Darwiche	Jamal	Novello	Jorge	Retail/Wholesale	Flooring Store - Retail
M		D & R Concrete Pumping - what BMP use?		42805 Fig St	Murr	9514455873	Woolsey	Dustin			Business Services	Concrete Pumping Serv
H		Fire Truck Services, Inc.	F T S, In	26811 Hobie Cir	Murr	9516799859	Ogden	Joan	Ogden	Ronald H	Auto Repair	Rebuilder Of Alternator
H		1st Class Collision Of Murrieta, Inc.		41729 Eastman Dr	Murr	9518349700	Newell	Robert B			Auto Repair	Collision Repair
M		Schiffler Enterprises, LLC		24885 Whitewood Rd	Murr	9514610342	Ostlie O'Rourke	Susan M	Schiffler	Joseph D	Real Estate Developer/Propert	Property Management
H		Jeff's Auto Repair		41419 Pear St #10	Murr	9516403092	Silhan		Silhan	Monica	Auto Repair	Auto Electrical Service i
H		The Sherwin-Williams Company #8295		26499 Jefferson Ave Ste	Murr	2165662723	Connor	C. M.	Morikis	J. G.	Retail/Wholesale	Retail Paint Store
M		Personal Touch Cleaning & Maintenance, Inc.		41735 Elm St #104	Murr	9497274135	O'Brien	Patrick	O'Brien	Maru	Janitorial/Housekeeping	Janitorial Services
L		The Woodwork Store Inc.		41110 Sandalwood Cir	Murr	9516000606	Noell	Louis A	Noell	Charlene A	State License Contractor	Moulding & Cabinet Ins
M		Fusion Construction Inc.		41521 Date St #105	Murr	9518941119	McCormick	Eric	Repsher	Linda M	State License Contractor	General Contractor - Ne
L	Food	Old Town Cake Company		24710 Washington Ave	Murr	9516775305	Miller	Elizabeth			Business Services	Baked Goods On Premi
H		Integrated Business Services, Inc. Db	Temecu	41665 Eastman Dr #20	Murr	9513258767	Cadurette	James			Auto Detailing	Auto Detailing Services
M		Pro Tec Mechanical, Inc.		41725 Elm St 201,202,2	Murr	9519400900	Harris	William	Mack	Dean	State License Contractor	State Lic Contractor-Wa
L		Walgreens Co. Db	Walgree	40663 California Oaks R	Murrieta, CA 92562		Walgreen Co.				Pharmacy	Retail Drug Store, Sund
L		Puppy Luv Pedigree Pets, Inc.	Puppy L	40575 California Oaks R	Murr	9513049393	Munroe	Sherrie	Stranick	Ellen	Pet Store/Kennels/Boarding	Pet Store
L		Casa Jimenez		40535 California Oaks R	Murr	9516774579	Curiel	Enrique			Restaurants with Alcohol	Full-Service Restaurant
H		Martin Auto Repair		26622 Jefferson Ave #1	Murr	9516963999	Garcia	Martin R			Auto Repair	Auto Repair Shop
L	Food	C H Square, Inc. Db	Arashi T	40365 Murrieta Hot Spr	Murr	9496601232	Chi	Chun			Restaurants with Alcohol	Restaurant - With Alcol
M		Zepeda Plumbing Construction Co., Inc.		41755 Elm St Ste 402	Murr	9514454925	Zepeda	John			State License Contractor	State Lic Contractor/Of
L	Food	Awesome Eateries L L C Db	Grace's	40250 Murrieta Hot Spr	Murr	9516964456	Tinajero	Vince	Tinajero	Ana B	Restaurants without Alcohol	Deli Restaurant
H		Affordable Automotive Repair		41604 Date St #A	Murr	9516772373	Blickhan	Doug E			Auto Repair	Automotive Repair
L		Cal Oaks Car Wash		24399 Skyview Ridge	Murr	9516003832	Park	Dong H	Park	Hyo S	Car Wash	Car Wash
L	Food	Carrows Restaurants, Inc.	Carrows	24640 Madison Ave	Murr	9514612411	Terada	Masaaki	Ogawa	Kazumasa	Restaurants with Alcohol	Full Service Restaurant
L	Food	Carnitas Mexican Express Inc. Db	Carnitas	25030 Hancock Ave #10	Murr	9513047999	Benitez	Armando	Duran	Eva	Restaurants with Alcohol	Mexican Food Restaura
H		Valley Wheel Polishing & Repair		26871 Hobie Cir #B7	Murr	9516772719	Laureles	Jefferson	Laureles	Mandi	Auto Repair	Wheel Polishing & Repi
L	Food	Truly Madly Sweetly Inc.		41539 Kalmia St #103	Murr	9516779494	Howard	Cathryn M			Food Store (novelty)	Cupcake Bakery
H		T N T Transportation - wash water / oil?	A A A Q	41548 Eastman Dr Ste F	Murr	9517577266	Taylor	Thomas	Taylor	Deborah	Banquet Facility	Carpet Cleaning And Ja
L	Food	Kool Bliss		40685 California Oaks R	Murr	9516778538	Chon	Ray			Food Store (novelty)	Frozen Yogurt Shop
L	WSC	Asia Seafood Buffet Inc.	Asia Sea	39825 Alta Murrieta Dr	Murr	9516005988		Hong Ming Lu	Feng	Wang	Restaurants without Alcohol	Asian Buffet
L	Food	K & L Real Estate Investments, L L C Db	Smooth	25030 Hancock Ave #10	Murr	9512574613	Perry	Kevin L	Perry	Linda M	Food Store (novelty)	Retail - Smoothies, Vita
L		Preferred Fire Extinguisher - any wastes?		41705 Elm St #301	Murr	9518162392	Arnold	Justin T			Business Services	Fire Extinguisher Sales
L	Food	Le Petit Cafe		26499 Jefferson Ave #F	Murr	9514612100	Mehrabi	Farshad	Khazaeian	Mitra	Food Store (novelty)	Deli
L	Food	Tocumbo Ice Cream Shop		39381 Los Alamos Rd #	Murr	9516414191	Contreras	Blanca			Food Store (novelty)	Ice Cream Shop
L	Food	Los Cabos Mexican Grill		26770 Jefferson Ave	Murr	9518944749	Aguilar	Felix B			Restaurants with Alcohol	Restaurant
L	Mobile	Your Way Fumigation, Inc.		41880 Kalmia St	Murr	8005268194	Aguilar	Jose M	Salange	Pete	Pest Control	Fumigation Company (L
L		Murrieta 144 Apartments, L L C	Vista Po	40680 Walsh Center Rd	Murr	3102072737	Giannlias	James C			Rental-Residential	Rental-Residential
L		Murrieta 492 Apartment Village L L C	Silverad	25100 Vista Murrieta R	Murr	3102072737	Giannlias	James C			Rental-Residential	Rental-Residential
L		H G Ventures, Inc. Db - storage?	Magnol	26175 Jefferson Ave Ste	Murr	9516898018	Frandsen	Grey			Retail/Wholesale	Pool & Spa Equipment
H		Tesoro West Coast Company, Llc	U S A #	39055 Winchester Rd	Murr	9516008172	Moreau	Claude	Schwethelm	Otto C	Gas Station	Gas Station
M		David's Automotive Detailing		41195 Geranio Cir	Murr	9518342995	Huezo	Jose D			Auto Detailing	Mobile Auto Detailing
L	Food	Starbucks Corporation	Starbuck	27890 Clinton Keith Rd	Murr	2063188705	Schultz	Howard			Food Store (novelty)	Retail-Coffee

BUSINESS IN MURRIETA

Priority	Type	Firm Name	Firm Name	Firm Address	Firm Phone Number	Owner LName 1	Owner FName 1	Owner LName 2	Owner FName 2	Business Type Description	License Description
L		Copan Diagnostics, Inc.		26055 Jefferson Ave Bld	Murri 9516966957	Sharples	Norman	Triva	Daniele	Manufacturer	Manufacturer-Package
L		Liquid Energy Ventures L L C Db	Juice It	24530 Village Walk Plaz	Murrieta, CA 92562	Whittington	Kimjera	Whittington	Brent	Food Store (novelty)	Juice/Smoothie Bar
L		M C L A S Corporation	Sushi H	25285 Madison Ave #10	Murri 9518944141	Shimura	Fumio	Kayaba	Masami	Restaurants without Alcohol	Japanese Restaurant - I
L		Tesoro Refining And Marketing	Shell Sta	39614 Los Alamos	Murri 2538968700	Tesoro Refining An				Gas Station	Gas Station
L		Tesoro Refining And Marketing	Shell Sta	25336 Madison Ave	Murri 2538968700	Tesoro Refining An				Gas Station	Gas Station
L	Food	Bake And Bite Bakery		39400 Murrieta Hot Spr	Murri 9516962012	De Las Alas		Vicente M		Food Store (novelty)	Bakery/Retail
M		M J T, Inc. Db	Advanta	41658 Ivy St #118	Murri 9513041921	Todd	Michael C	Todd	Janet L	Janitorial/Housekeeping	Carpet Cleaning Service
L		P2R Murrieta, Inc. - dispose of oil?	Pole Pos	41810 McAlby Ct	Murri 9518175032	Williams	Jason	Faught	Ken	Amusement Centers/Arcade	Indoor Go Kart Track
L		T.T.Racing Designs Inc. Db	Laeger's	41785 Elm St #101,105	Murri 9516939048	Touhy	Jason	Taylor	Scott	Manufacturer	Manufacturing/Distrib
L		A-Ok Auto L L C		41521 Date St #106	Murri 9512190868	Helton	Jeff			Auto Dealerships	Used Auto Dealership
L	Food	Cabo Mesquite Fish Grill		40365 Murrieta Hot Spr	Murri 9517605259	Moreno III	Fred V			Restaurants without Alcohol	Seafood Restaurant - N
L		Decor-Cast, L L C		26650 Adams Ave	Murri 7604689901	Adams	Jeff			Manufacturer	Manufacturer Of Preca
H		Swallow Automotive Corporation Db	Swallow	26871 Hobie Cir #B11	Murri 9517601091	Swallow	Isaiah	Swallow	Mona	Auto Repair	Automotive Service & F
M		Solid S Enterprises, Inc. Db	Sebastia	41725 Elm St #304	Murri 9514618600	Amador	Aracely			State License Contractor	Plumbing, Heating & Ai
L	Food	Poetry Cup Inc. Db	It's A Gr	40444 Murrieta Hot Spr	Murri 9516776361	Ghaseminia	Javad			Restaurants without Alcohol	Coffee & Pastries - No /
L	Food	Vista Donuts		24739 Washington Ave	Murri 9516776310	Chea	Stephen			Food Store (novelty)	Doughnut Shop
H		H & D Auto Repair		26765 Madison Ave #10	Murrieta, CA 92562	Bueso	Hector E			Auto Repair	General Automotive Re
M		M G M Construction Enterprises, Inc.		41725 Elm St #201	Murri 9512458400	Le Roy	Mark A			State License Contractor	Underground Utilities C
L	Food	Heena Foods Inc. Db	Subway	24530 Village Walk Pl #	Murri 9516980880	Prajapati	Ashvin			Food Store (novelty)	Sandwich Shop
L	Food	In-N-Out Burger #212		39697 Avenida Acacias	Murri 6268138200			In-N-Out Burger Corporation		Restaurants without Alcohol	Fast Food Restaurant
L		Aquagems Laboratories, Inc.		41715 Elm St	Murri 9516939860	Brey	Christopher J	Asmus	Peter C	Retail/Wholesale	Swimming Pool Supply
L		All The Way Hauling		41605 Elm St	Murri 9516771234	Rotellini	Juan C			Transportation/Trucking	Transportation Of Heav
L		Art Sign Works, Inc. - paint / solvents?		41785 Elm St #302	Murri 7607236161	Williamson	R. Paul	Valenzuela	Enrique	Manufacturer	Wood Sign Manufactur
L	Food	Indigo Joe's Food & Services, Inc. Db#10	indigo Jo	40675 Murrieta Hot Spr	Murri 9516778858	Luo	Joe C			Restaurants with Alcohol	Restaurant - With Alcof
L	Food	Arco Precision Industries, Inc.		41735 Elm St #103	Murrieta, CA 92562	Klomp	Gary R	Klomp	Lorna	Manufacturer	Manufacturer/Plastic, N
M		D S Smith Incorporated		26323 Jefferson Ave #B	Murri 9518075173	Smith	Steve			Business Services	Fire And Water Damag
H		Auto Align		26765 Madison Ave Ste	Murri 9516985432	Spillane	William Henry			Auto Repair	Automobile Alignment
L	Food	Verma Subway	Subway	27890 Clinton Keith Rd	Murri 9513014440	Sud	Onkar	Sud	Shipra	Restaurants without Alcohol	Sandwich Shop
L	Food	Wintech Development Inc. Db	Californ	40603 Colony Dr	Murri 9516772221	Huang	Hai	Huang	Jen	Restaurants with Alcohol	Restaurant With Beer A
L		Wintech Development Inc. Db - maint. Yard?	Californ	40603 Colony Dr	Murri 9516772221	Huang	Hai	Huang	Jen	Resort/Country Club/Golf Cou	Golf Course
M		Glassforce, Inc.		25703 Jefferson Ave Ste	Murri 9516546460	Hernandez	Henry			State License Contractor	State Lic Contractor
H		A1 Auto & Truck Service Inc.		26871 Hobie Cir #A3	Murri 9252005188	Sackett	Robert	Sackett	Robert W	Auto Repair	General Automotive Re
L		Carmel Mountain Cabinetry - paint/solvents?		41785 Elm St #304	Murri 9513049072	Bachor	Shawn V			State License Contractor	Cabinet Installation - N
M		John Harrison Contracting, Inc.		25102 Jefferson Ave #A	Murri 7603222653	Harrison	John	Valdez	Monica	State License Contractor	Office Used For Consult
L	Food	Woomi Sushi		39832 Los Alamos Rd	Murri 9516779522	Kim	Sang G	Kim	Haeng	Restaurants with Alcohol	Full-Service Japanese R
L	Food	Joanthony Ent, Inc. Db	Anthony	24630 Washington Ave	Murri 9516771099	Nanci	Vincent A	Rivas	Joan	Restaurants with Alcohol	Restaurant With Alcoh
H		El-Complete Auto Repair		24890 Washington Ave	Murri 9516003977	Housein	Elias S	Housein	Samar G	Auto Repair	Auto Repair
M		Crown Property Management Group	Crown P	25096 Jefferson Ave Ste	Murri 9517755089	Kelly	Terry J			Real Estate Developer/Propert	Property Management
L	Food	Murrieta Cal Oaks, L. P.	Los Prin	40981 California Oaks F	Murri 6194970700	Calero	Felix R	Alvarez	Wilson R	Restaurants without Alcohol	Mexican Restaurant-Lir
L	Food	Board'z Grill, Inc. Db	Board'z	39509 Los Alamos Rd	Murri 9516004851	Kiouftis	Chris	Kiouftis	Eugenia	Restaurants without Alcohol	Restaurant - No Alcho
H		Plaza General Repair		24890 Washington Ave	Murri 9517752638	Robles	Kenny			Auto Repair	General Auto Repair
L	Food	One Sushi & Grill		40461 Murrieta Hot Spr	Murri 9514611311	Kim	Man Soo	Kim	Hye Jong	Restaurants with Alcohol	Full Service Japanese R
L		Latest Concepts & Designs		26372 Deere Ct #A	Murri 9519065481	Wells	Brandon			Manufacturer	Custom Fabrication & C
L		Mitusa Machine		41755 Elm St #401	Murri 9512061113	Herron	Dwayne	Herron	Monique	Transportation/Trucking	Job Shop/Machine Sho
L		S.E.L. Enterprises Inc. Db	Jersey's	40557 California Oaks F	Murri 9514614444	Schmidt	Michael	Schmidt	Glenn	Restaurants with Alcohol	Pizzeria & Restaurant (I
L		O R W Import Parts & Machine, Inc.	Off Roa	26901 Jefferson Ave	Murri 8585657195	Weisser	Randy	Mullen	Nate	Retail/Wholesale	Off Road Accessories &
L	Food	Kemalei, Inc. Db	Juice It	27890 Clinton Keith Rd	Murri 9092089377	Go-Bulusan	Rachel	Bulusan	Freddie	Restaurants without Alcohol	Restaurant/Smoothie B
L	Food	Hatlavongsa, Mendiola & Co., Inc.	Catch O	40365 Murrieta Hot Spr	Murri 9514618597	Hatlavongsa	N	Merliola	Linbert	Restaurants with Alcohol	Full-Service Restaurant
L	Food	Tortilleria San Jorge & Market		25115 Madison Ave #10	Murri 9516778516	Perez	Jesus B			Restaurants without Alcohol	Tortilleria, Fast Food, N
L		Convenience Retailers, L L C	Conveni	41010 California Oaks F	Murri 9514610217	Hirbod	Sam	Rod	Pearcy	Gas Station	Gas Station With Conve
L		Diversified Automotive L L C Db	Diversif	26765 Madison Ave #10	Murri 9516964830	Phillips	Leon	Phillips	Rochelle	Auto Repair	General Auto Repair
L	Food	Isha Investments Inc.	Buffalo	40484 Murrieta Hot Spr	Murri 9516773636	Sitaram	Pinal			Restaurants with Alcohol	Casual Restaurant With

BUSINESS IN MURRIETA

Priority	Type	Firm Name	Firm Name	Firm Address	Firm Phone Number	Owner LName 1	Owner FName 1	Owner LName 2	Owner FName	Business Type Description	License Description
H		Tabrizlou Corporation Db	Green S	26871 Hobie Cir #B6	Murrieta, CA 92562	Tabrizlou	Jamshid			Auto Repair	Smog Check
L	Food	T. K'S Donuts & Ice Cream		41539 Kalmia St #107	Murrieta 9513040515	Tap	Sunty	Tap	Sovann Tha	Food Store (novelty)	Donut And Ice Cream S
M		Cambridge Commercial & Development		24619 Washington Ave	Murrieta 9516980222	Dollarhide	Wayne			Real Estate Developer/Propert	Developer/Contractor
L	Food	Panda Palace		40525 California Oaks P	Murrieta 9514611206	Tang Lor	Jenny			Restaurants without Alcohol	Chinese Fast Food - No
L		J. Csces International, Inc. Db	Carlson	41531 Cherry St	Murrieta 9513331720	Csces	Joseph			Manufacturer	Manufacturing Of Race
L	Food	K R'S Chicken & Ribs		41539 Kalmia St #120	Murrieta 9518946082	Killebrew	Karen			Restaurants without Alcohol	Fast Food - No Alcohol
H		Xtreme Performance Racing		41695 Elm St #201	Murrieta 9518138873	Braun	Chad			Auto Repair	Motorcycle Repair Sho
L	Food	Apple Social L L C Db	Applebe	24872 Madison Ave	Murrieta 9513049807	Flynn	Gregory G	Cortina	Lorin M	Restaurants with Alcohol	Restaurant - With Alco
H		Advanced Quality Automotive & Smog		26765 Madison Ave Ste	Murrieta 9516986868	Guerra	David Ross			Auto Repair	Auto Repair W/ Smog T
L		Layton Construction Co., Inc. - storage yard?		28062 Baxter Rd	Murrieta 8015689090	Layton	David S	Nordblad	John R	State License Contractor	General Contractor
H		C A R Enterprises Inc.	Los Alar	39614 Los Alamos Rd	Murrieta 9516987627	Anabi	Sam	Anabi	Rawa	Convenience Store	Convenience Store
L	Food	Margarita Subway Inc. Db	Subway	39460 Murrieta Hot Spr	Murrieta 9516722773	Sud	Onkar	Sud	Shipra	Restaurants without Alcohol	Fast Food Restaurant -
M		Binnquist Development, Inc.		41856 Ivy St	Murrieta 9495531969	Binnquist	Bruce W			State License Contractor	General Contractor
L		Fresh & Easy Neighborhood Market Inc.	Fresh &	39530 Murrieta Hot Spr	Murrieta 3103411200	Mason	Tim	Kasper	Mary	Grocery Store	Grocery Store
H		California Power Sweeping, Inc. - patio covers		34150-D Antelope Rd	Murrieta 9516720080	Hurst	John	Hurst	Susan	Business Services	Street Sweeping-Comm
L		Kelly Manufacturing		41731 Corporate Cente	Murrieta 9516008516	Kelly	Robert	Kelly	Laurie	Manufacturer	Manufacturer
L	Food	Xtreme Frozen Yogurt		27890 Clinton Keith Rd	Murrieta 9512324507	Bosna	Wayne	Jones	James	Food Store (novelty)	Frozen Yogurt
L	Food	St. Mary Food Inc. Db	Baja Gri	40663 Murrieta Hot Spr	Murrieta 9518583870	Loza	Sherif	Karas	Wahid	Restaurants without Alcohol	Mexican Fast Food
L		C And L Custom Experts - paint / solvents		41705 Elm St #202	Murrieta 9514614598	Ponce	Leonides L			Manufacturer	Cabinet Manufacturer
L		Superior Powder Coating		25807 Jefferson Ave Ste	Murrieta 9518944169	Ruiz	Enrique			Business Services	Powder Coating
L	Food	Rubio's Restaurants, Inc.	Rubio's	40436 Murrieta Hot Spr	Murrieta 7609298226	Henigman	Frank	Simon	Marc	Restaurants with Alcohol	Restaurant
L	Food	Arby's Restaurant Group	Arby's #	25251 Madison Ave	Murrieta 9514611161	Smith	Roland			Restaurants without Alcohol	Fast Food Restaurant
L	Food	Westons Market Liquor		40119 Murrieta Hot Spr	Murrieta 9516774084	Bidi	Sarmad			Convenience Store	Convenience Store
L	Food	Lunanadas, Inc. D B A	Alberto's	40250 Murrieta Hot Spr	Murrieta 9516001215	Rodriguez	Baldomero			Restaurants without Alcohol	Mexican Fast Food
L		The Pampered Pooch Spa, Inc.	Pamper	40585 California Oaks P	Murrieta 9514613355	The Pampered Poo				Pet Grooming	Dog Grooming And Ret
L	Food	Pho Dao #1		39840 Los Alamos Rd #	Murrieta 9516982882	Dao	Ho			Restaurants without Alcohol	Vietnamese Restaurant
L	Food	Tacos Durango		41539 Kalmia #105	Murrieta 9516770767	Vasquez	Rene			Restaurants without Alcohol	Fast Food Mexican/No
L		Kalmia Gas Mart		41240 Kalmia St	Murrieta 9516773469	Randhawa	Parmjit	Randhawa	Erwin	Gas Station	Gas Station With Car W
M		East Bay Construction Co., Inc.		41120 Elm St Unit 9	Murrieta 9514610288	Ayers	William M			State License Contractor	Landscaping/Irrigation/
L	Food	Little Caesars Enterprises Inc. Db	Little Ca	39209 Winchester Rd #	Murrieta 3134716153	Ilitch	Marian	Ilitch	Michael	Restaurants without Alcohol	Restaurant - No Alcho
L		Indoor Rain, Inc.	Rainbo	26871 Hobie Cir #B5	Murrieta 9514454441	Schroeder	Charles H	Schroeder	Tanya	Retail/Wholesale	Cleaning Systems/Offic
L		Race Social International, Inc. - store/dispose oil?		25096 Jefferson Ave #B	Murrieta 9516913064	Heighton	Stephen			Auto Rental	Motocross Bike Rentals
H		J F Performance		26692 Pierce Cir #A	Murrieta 9513042894	Fernandez	Jorge			Repair Services	Auto Repair Service
L		Kristy Development, Inc.	Source	41691 Corporate Cente	Murrieta 9516773002	Nagy	Tibor			Manufacturer	Mfg Of Tools For Ind. P
H		A & T Automotive Repair		26871 Hobie Cir #A2	Murrieta, CA 92562	Casales	Anthony M			Auto Repair	Auto Repair
L		Mesa Village Market		29990 Hunter Rd #103	Murrieta 9516960404	Wehba	Mohamed N			Convenience Store	Mini Market
H		Torres Performance & Machining, L L C		25783 Jefferson Ave #1	Murrieta, CA 92562	Torres	Jose	Torres	Carrie	Repair Services	Automotive Machine S
H		Scott-Murrieta Service Station, L P		33070 Antelope Rd	Murrieta 9512803833	Kofdarali	Hagop	Rkjk	A Nevada	Gas Station	Gas Station With Conve
L	Food	Sushi Tomi		25100 Hancock Ave #10	Murrieta 9516773902	Huang	Jack			Restaurants with Alcohol	Japanese,Chinese Resta
L	Food	White Lime Inc. Db	White L	39540 Murrieta Hot Spr	Murrieta 9516779992	Hong	Jong C			Food Store (novelty)	Frozen Yogurt Store
L	Food	D M S D Foods, Inc.	Jack In T	33080 Antelope Rd	Murrieta 9518160189	Beshay	Dawood N			Restaurants without Alcohol	Fast Food Restaurant
L	Food	B V T1, Inc.	Pho Tho	40250 Murrieta Hot Spr	Murrieta 9516987108	Ha	Vu	Ha	Tho	Restaurants without Alcohol	Vietnamese Dining W/f
L		Longs Drug Stores California, L L C	Cvs/Pha	23791 Washington Ave	Murrieta 4017703315	De Nale	Carol A	Moffatt	Thomas S	Retail/Wholesale	Drug Store
H		Eastman Independant Lexus And Toyota Specialists		41665 Eastman Dr	Murrieta 9516001590	Furr	Morris	Huynh	Thai	Auto Repair	Auto Repair
M		Hamel Contracting, Inc.		26359 Jefferson Ave #H	Murrieta 9516002783	Hamel	Grant J	Hamel	Alison	State License Contractor	General Contractor
L		Veterinary Aftercare Services, inc.		41110 Sandalwood Cir	Murrieta 9516776333	Volan	Jeffrey S	Drake	Rita M	Funeral/Crematory/Cemeterie	Pet Crematory
M		A T D Plumbing Co Inc.		25755 Jefferson Ave #2	Wildc 9512006770	Pelayo	Andy	Pelayo	Julie	State License Contractor	Plumbing, Appliance In
M		Eco-Logic, Inc.		26043 Jefferson Ave Ste	Murrieta 9514612250	Moralez	David			State License Contractor	Landscape Constructio
H		My Tech Inc.		41665 Eastman Dr #40	Murrieta 9516773913	Occhipinti	Mark			Auto Repair	Auto Repair
L	Food	Subway #31139		29992 Hunter Rd #102	Murrieta 9516748197	Chauham	Hardeep S			Food Store (novelty)	Sandwich Shop
L		Just Livin' The Dream, Inc. Db	Unique	25383 Madison Ave #10	Murrieta 7608023758	Serrano	Kevin			Restaurants with Alcohol	Pizza And Subs Restaur
L		John Deere Landscapes- outside storage yard		26713 Madison Ave	Murrieta 9516981890	Werning	David P	Guthrie	John T	Retail/Wholesale	Wholesale/Retail Irriga

BUSINESS IN MURRIETA

Priority	Type	Firm Name	Firm Name	Firm Address	Firm	Phone Number	Owner LName 1	Owner FName 1	Owner LName 2	Owner FName 2	Business Type Description	License Description
L	Food	D M S D Food, Inc Db	Jack In T	39380 Murrieta Hot Spr	Murr	9518160189	Beshay	David			Restaurants without Alcohol	Fast Food Restaurant
L	Food	D M S D Foods, Inc. Db	Jack In T	24620 Madison Ave	Murr	9518160189	Beshay	David			Restaurants without Alcohol	Fast Food Restaurant
L	Food	Poetry Cup Inc.	It's A Gr	28039 Scott Rd # 6M	Murr	9516793549	Ghaseminia	Javad			Food Store (novelty)	Coffee House
L	Food	The Cake Addict		24710 Washington Ave	Murr	9516986861	Hebrard	Doraene L	Hebrard	Charles L	Food Store (novelty)	Cake Decorating/Bakin
H		K S E Enterprises, Inc. Db	America	26440 Jefferson Ave #D	Murr	9514612507	Ecclefield	Kurt			Auto Repair	Automobile Repair Sen
L		Murrieta Kitchen And Bath - paint/solvent?		26019 Jefferson Ave Ste	Murr	9514619199	Jansen	Joseph			Manufacturer	Cabinet Manufacturing
H		Dietz Automotive Services		41604 Date St Unit D	Murr	9514617264	Deitz	David			Auto Repair	General Auto Repair
H		Mac's West Coast Auto		41141 Raintree Ct	Murr	9516774546	Crook	Matthew			Auto Repair	Auto Repair
L	Food	The Hungry Bull Family Restaurant		40476 Murrieta Hot Spr	Murr	9516963883	Martimianakis	Sotirios 5			Restaurants without Alcohol	Limited Service Restau
L		Winchester Auto Spa		39065 Winchester Rd	Murr	7607581299	D'Agostini	Steve	D'Agostini	Patricia	Car Wash	Self-Serve Car Wash
H		Murrieta Tire And Auto		41991 Ivy St	Murr	9516773252	Leal	Cirocco			Auto Repair	Auto Service & Repair
L		Adobo Express Restaurant		39400 Murrieta Hot Spr	Murr	9516962012	Schatz	Melinda			Restaurants without Alcohol	Limited Service Foods T
M		A1 Foreclosure Cleanup		25096 Jefferson Ave #B	Murr	9093380508	Amnuayphon	Karun			Business Services	Forclosure Cleanup Usi
M		John O' Neill Construction Inc.		39825 Highbury Dr	Murr	9516777546	O'Neill	Claire	O'Neill	John	State License Contractor	General Engineering Co
L		Murrieta Auto Wash		39440 Murrieta Hot Spr	Murr	7608559503	Mikha	Haitham	Kharat	Thabit	Car Wash	Car Wash
H		American Diesel		41141 Raintree Ct	Murr	9518059952	Schuman	Gerald			Auto Repair	Truck Repair
M		Watergon		26047 Jefferson Ave #D	Murr	9518054266	Lopez	Jennifer			Business Services	Water Damage Cleanu
L		Arrow Packaging Machinery		25695 Jefferson Ave #7	Murr	9512009499	Esparza	Oscar			Manufacturer	Packaging Machinery A
L	Mobile	Kilter Home Services Inc.	Kilter Te	41785 Enterprise Cir So	Tem	7142885630	Mc Kendall	Greg			Pest Control	Termite And Pest Contr
M		Landex Landscape Construction Co., Inc.		41120 Elm St Unit G	Murr	9514610288	Guinta	Shelly			State License Contractor	Administrative Office O
L		Iron Junction Transport	Db	41715 Elm St #402	Murr	9515507554	Parr	William	Brown	Larry E	Transportation/Trucking	Auto Transport - Office
L		Pink Mango Frozen Yogurt, L L C		23811 Washington Ave	Murr	9518980669	Shepard	Kim			Food Store (novelty)	Frozen Yogurt Shop
P		Freedom Rv Rentals, Inc.		26240 Jackson Ave	Murr	9516969000	Kitley	Erik H	Kinsman	Guy W	Auto Rental	R V Rental
L	Food	Juice Paradise		40985 California Oaks R	Murr	9516986460	You	Sung Hwa			Restaurants without Alcohol	Restaurant - No Alcho
H		D And C Auto Repair Inc.		26622 Jefferson Ave Ste	Murr	9516983456	Carreon, Jr	David R			Auto Repair	Auto Repair
H		Big O Tires L L C	Big O Ti	40420 California Oaks	Murr	5.6138E+13	Miller	Timothy	Hendee	Susan	Retail/Wholesale	Tire Sales, Accessories ,
L		Kustom Kounter Tops		41121 Golden Gate Cir	Murr	9518944625	Karlsson	Tommy			State License Contractor	Countertop Fabrication
M		Salgado Properties, Inc.		25060 Hancock Ave #10	Murr	9517601783	Salgado	David			State License Contractor	General Contractor - Of
L		California Energy Ventures Inc.	Db	40981 California Oaks R	Murr	7142673290	Bhatia	Dharam V	Singh	Manmohan	Gas Station	Gas Station With Minir
L	Food	C J Cuisine, Inc. Db	Hana Su	40940 California Oaks	Murr	9518941701	Cho	Kyung Ja			Restaurants with Alcohol	Japanese Restaurant - f
L	Food	La Gordas Mexican Grill & Seafood		40365 Murrieta Hot Spr	Murr	9516985605	Aguilar	Raquel			Restaurants with Alcohol	Restaurant With Alcho
L		Imperial Eagle Powder Coating		25807 Jefferson Ave #1	Murr	9519729961	Garcia	Victor V	Gonzalez	Cirilo	Repair Services	Powder Coating
L	closed?	Star Way Productions, Inc. - equipment rental		41213 Sandalwood Cir	Murr	9516783551	Sukhov	Alex			Equipment Rental	Equipment Rental
L		Bear Creek Partners, L L C - maint. yard	Bear Cre	22640 Bear Creek Dr N	Murr	9512007272	Gillette	Richard			Resort/Country Club/Golf Cou	Golf Club
M		T R M Construction Inc. Db	T R M C	26605 Kelvin Ct #E	Murr	9515269654	Monfils	Doug	Monfils	Carl	State License Contractor	General Contractor - Si
L	Food	P J Cleveland, L L C Db	Papa Jo	40770 California Oaks R	Murr	9513047272	Malekzadeh	Ahmad			Restaurants without Alcohol	Pizza Delivery Restaura
L	Mobile	George Plumbing Company, Inc.		25695 Jefferson Ave #1	Murr	9516943800	Slaven	Gayle	Slaven	Joel	State License Contractor	Hvac, Plumbing, Install
L	Food	The Hot Dog Shoppe		41539 Kalmia St. #104	Murr	9516000910	Trimble	Chay	Ness	Dave	Restaurants with Alcohol	Hot Dogs, Beer And Wii
L	Food	Calhoun's Texas Barbeque L L C		24710 Washington Ave	Murr	9516983777	Calhoun	Lonnie D	Calhoun	Renee M	Restaurants without Alcohol	Barbeque Take-Out & C
H		Southern Counties Interpreters, Inc. Db	Cunning	26871 Hobie Cir #C5-C6	Murr	9516987454	Cunningham	Ryne	Cunningham	Robert	Auto Repair	Automotive Repair
L		Asian Ranch Market		25395 Madison Ave #10	Murr	7604451609	Saithong	Vixay			Grocery Store	Asian Retail Market
L		Tom's Nursery		26550 Adams Ave	Murr	9515415420	Wiggins Jr.	Thomas M			Retail/Wholesale	Garden Supplies/Hydro
H		Precision Tune Auto Care		26585 Jefferson Ave #A	Murr	9516960494	Wright	Nigel			Auto Repair	Automotive Repair
L		Lazy Brother's Neighborhood Market		26684 Margarita Rd #10	Murr	6268250698	Marquez	Reynaldo			Grocery Store	Full Market/Deli
H		Kia Hyundai Auto Repair		41421 Date St #108	Murr	9512021309	Perez	Hugo			Auto Repair	Auto Repair/No Outsid
M		Ace Weed Abatement, Inc.		25430 Edwin Rd	More	9512439809	Maciel	Charles			Business Services	Weed Abatement
M		Aspen Construction Enterprises Inc.		26398 Deere Ct #102	Murr	9512492922	Johnson	Jill	Johnson	Michael An	State License Contractor	General Building Contr
M		Done Rite Details		26371 Beckman Ct	Murr	9512199194	Torres	Daniel			Auto Detailing	Mobile Auto Detailing -
L		G C G I Partners Inc. - maint. Yard	The Gol	39500 Robert Trent Jon	Murr	9516777446	Villafior	Edward	Taylor	Lawrence	Resort/Country Club/Golf Cou	Golf Course
L		Murrieta Cars & Trucks		24660 Madison Ave	Murr	7609174430	Jacobson	Robert S			Auto Dealerships	Used Autos
M		A A V Custom Gates And Automation		41658 Ivy St #108	Murr	9518946353	Whitaker	Clinton			State License Contractor	
M		Denri II Capital Investments, L L C		26377 Jefferson Ave #F	Murr	9517045396	Davis	Darren	Stock	Kendall	Business Services	Fix & Flip Real Esate

BUSINESS IN MURRIETA

Priority	Type	Firm Name	Firm Name	Firm Address	Firm Phone Number	Owner LName 1	Owner FName 1	Owner LName 2	Owner FName 2	Business Type Description	License Description
L	RCP	McLaughlin Engineering & Mining, Inc.		25695 Jefferson Ave #1	Murrieta 9516997957	Dalrymple	Jerry			State License Contractor	Heavy Construction
L	Food	Spellman Restaurants L L C Db	Spelly's	40675 Murrieta Hot Sp	Murrieta 9516962211	Spellman	Joseph E			Restaurants with Alcohol	Full Service Restaurant
L	Food	B S S A T Corporation Db	Aromas	29950 Hunter Rd #103	Murrieta 9514616777	Pisarek	Robert A	Pisarek	Sandra H	Restaurants without Alcohol	Coffee Shop & Cafe
L	Food	La Fruta Shack		24831 Jefferson Ave #1	Murrieta 9514617473	Padilla	Selene	Vasquez	Angela M	Restaurants without Alcohol	Deli/Fruit Bar - No Alco
L	Food	Barajas Land Inc. Db	El Ranch	23811 Washington Ave	Murrieta 9516009600	Landeros	Veronica	Landeros	Octavio	Restaurants with Alcohol	Mexican Restaurant - V
H		Inland Automotive, Inc.	Inland A	26500 Jefferson Ave #A	Murrieta 9514614412	Abdelaal	Tamer			Auto Repair	Automotive Repair
M		Empire Built, Inc. Db	G J Garc	41667 Ivy St #A	Murrieta 9514612555	Ferdig	Dennis	Truitt	Charles	State License Contractor	General Contractor
L		Rancho Las Brisas Apartments		40125 Los Alamos Rd	Murrieta 9516777745	Los Alamos Rd Ltd	Wbcmt 2006-C27			Rental-Residential	Apartment Complex
L	Food	Enrique's Jalapeno Mexican Grill, Inc. Db	Jalapeno	29992 Hunter Rd	Murrieta 9516988813	Alvarado	Enrique			Restaurants without Alcohol	Restaurant - No Alcohol
M		Drywall Masters Inc.		41604 Date St #C	Murrieta 8886920121	Weitmer	Bryan			State License Contractor	Drywall Construction-N
L	Food	Siggy's Restaurant, Inc.		26820 Jefferson Ave	Murrieta 9516960119	Stavarakis	James D			Restaurants without Alcohol	Restaurant - No Alcohol
L	Mobile	A A Approved Termite And Pest Control, Inc.		25020 Las Brisas Rd #20	Murrieta 9516985577	Chargualaf	Patrica			Pest Control	Pest Control - Office Or
H		The Auto Shop		26500 Jefferson Ave #B	Murrieta 9518133900	Harvey	Eric			Auto Repair	Automotive Repair Sho
H		Fortunity LLC	Motech	26871 Hobie Circle Cir #	Murrieta 9518133550	Muckala	Jason D			Auto Repair	Automotive Repair
L	Food	Custom Source L L C Db	Taj India	39400 Murrieta Hot Sp	Murrieta 9516969112	Singh	Achint	Sandhu	Tejpal S	Restaurants without Alcohol	Restaurant - No Alcohol
L	Food	La Pasadita		24635 Madison Ave #B	Murrieta 9516005935	Villasenor	Maria			Restaurants without Alcohol	Taco Shop/No Alcohol
L		Giant Inland Empire R V Center Db	Giant R	41150 Juniper St	Murrieta 9099810444	Barouti	Behzad	Etebar	Nasser	Auto Repair	R V Service & Parts
L		El Monte R V Rentals		26528 Kelvin Ct	Murrieta 9514619127	Al Hilo	Tony			Auto Rental	R V Rentals
L	Food	The M & D Group L L C Db	Tavern	28039 Scott Rd #K	Murrieta 9517238604	Lazenby	Mark			Restaurants with Alcohol	Full Service Restaurant
P		S A Recycling, L L C Db	S A Recy	41400 Date St	Murrieta 7146884943	Adams	George	Sweetman	Mark	Recycling	Scrap Metal Recycling
L	Food	W K S Restaurant Corp.	El Pollo	40468 Murrieta Hot Sp	Murrieta 5624251402	Spongberg	Roland C			Restaurants without Alcohol	Fast Food Mexican & C
L		K C I Cabinets L L C		25783 Jefferson Ave #1	Murrieta 9514613263	Krogstad	Janet			Manufacturer	Cabinet Manufacturer
L	Food	Corner Pocket Sports Cafe Inc Db	The Poc	40575 California Oaks P	Murrieta 9516777155	Nix	Hayden	Llewellyn	Kyle	Restaurants with Alcohol	Restaurant & Bar
L		Brookstone Emergency Services, Inc. - Kemis		25800 Washington Ave	Murrieta 9516943373	Nelson	Arthur H			Equipment Rental	Equipment Rental
H		American Tire Depot		25185 Madison Ave	Murrieta 5626773950	Tchaghlassian	Ara			Auto Repair	Auto - Service, Tires, Br
L		Healthy Fast Food Corp Db	Flame B	40444 Murrieta Hot Sp	Murrieta 7143050863	Kanji	Farid J	Kanji	Shaida	Restaurants without Alcohol	Fast Food - No Alcohol
M		S & S Interiors, Inc.		41730 Reagan Way	Murrieta 9518942666	Steik	Stephen S			State License Contractor	General Contractor/Sho
M		Royalty Stone		26658 Jefferson Ave #1	Murrieta 9516965138	Ortiz	Sal H " "	Jaeger	Curtis D	Retail/Wholesale	Tile Sales - Retail
L		Occasions		24980 Washington Ave	Murrieta 9516775659	Newell	Deborah L	Smith	Kathleen N	Food Store (novelty)	Custom Cookies/Cakes,
L	Food	D P E Java Corp. Db	Village J	24520 Village Walk Pl #	Murrieta, CA 92562	Whitten	Paul	Reyes	Diane	Food Store (novelty)	Coffee House
L	Food	L G V III Corporation Db	Subway	23811 Washington Ave	Murrieta 5624402771	Kothari	Binoy			Restaurants without Alcohol	Fast Food - No Alcohol
L		U.S. Fab Works, LLC	H N M R	25703 Jefferson Ave #2	Murrieta 9513043132	Mahan	Kevin			Manufacturer	Welding And Machin
L	Food	Jade Chinese Cuisine		40982 California Oaks P	Murrieta 9516797518	Lee	Shan Min			Restaurants without Alcohol	Full Service Restaurant
M		Ming Construction & Hotel Renovation		3380 Bent Twig Ln	Diamond 6262530188	Chen	Bo			State License Contractor	General Contractor - Cc
M		J C Landscaping, Inc.		41655 Reagan Way #1	Murrieta 9516345225	Campos	Carlos			State License Contractor	
M		A B P Mobile Detail		31167 Peregrine Way	Windsor 9515145424	Phomphakdy	Phoukham			Auto Detailing	Mobile Auto Detailing
L	Food	Stix Holdings LLC	Pick Up	24635 Madison Ave	Murrieta 9528963606	Goldberg	Lorne			Restaurants without Alcohol	Chinese Restaurant Wit
L	Food	R T K Properties, Inc. Db	J. Carter	40365 Murrieta Hot Sp	Murrieta 7606136281	Kulwicki	Robert			Restaurants with Alcohol	Restaurant - With Alco
M		C T Concrete Cutting, Inc.		26341 Jefferson Ave #B	Murrieta 9516987745	Tompkins	Christopher L			State License Contractor	Concrete, Asphalt Cutti
L	Food	Lemus Ventures, Inc. Db	Little Ca	40525 California Oaks P	Murrieta 9516772838	Lemus	Herver A			Restaurants without Alcohol	Pizza Restaurant - No A
H		Valley Auto Air		41665 Eastman Dr #10	Murrieta 9516984110	Huynh	Thai	Pham	Thomas	Auto Repair	Auto Air Conditioning R
L		Mikes Viper Performance		41715 Elm St.	Murrieta 9514618477	Carrasco	Michael			Auto Repair	Automotive Service
M		Right Stop Restoration		41711 Corporate Cente	Murrieta 9516980777	Taylor	Frank	Webb	Robert D	State License Contractor	Fire & Water Restorati
L	Food	Corner Donuts		39413 Los Alamos Rd #	Murrieta 9516009725	Kouy	Carolyn			Food Store (novelty)	Donut Shoppe
L		Boris Said Automotive, Inc.; Hendrick Automotive	Group D	26825 Auto Mall Pky	Murrieta 9512498000	Said III	Boris	Heppler	Kirk R	Auto Dealerships	Retail Automobile Deal
L	Food	Rose Garden Thai Cuisine, Inc.		39400 Murrieta Hot Sp	Murrieta 9516984800	Promptanakon	Tanadol			Restaurants with Alcohol	Thai Restaurant - With
M		Great Estates Services		41900 Ivy St #10	Murrieta 7607994928	Winder	Jeff			State License Contractor	General Contractor - Re
L		So Cal Burger Partners, LLC	Burger H	40931 California Oaks P	Murrieta 9516969031		Burger Invest Co. LLC			Restaurants without Alcohol	Fast Food Restaurant
L	Food	The Big Cheese Pizza Company		41080 California Oaks P	Murrieta 9513049997		J. T. J. Family Trust			Restaurants with Alcohol	Pizza Parlor With Alco
H		Pam & Jas, Inc.	7-Eleven	40210 Murrieta Hot Sp	Murrieta 9516983686	Singh	Paramjit	Kavr	Jaspal	Convenience Store	Convenience Store
M		D R H Gine Reconditioning		41690 Ivy St	Murrieta, CA 92562	Mendez	Raymond Ralph			Business Services	Home Clean Up
M		The Fence Guy		26023 Jefferson Ave #A	Murrieta 9513041919	Neuens	Todd			State License Contractor	Fence Installation/Offic

BUSINESS IN MURRIETA

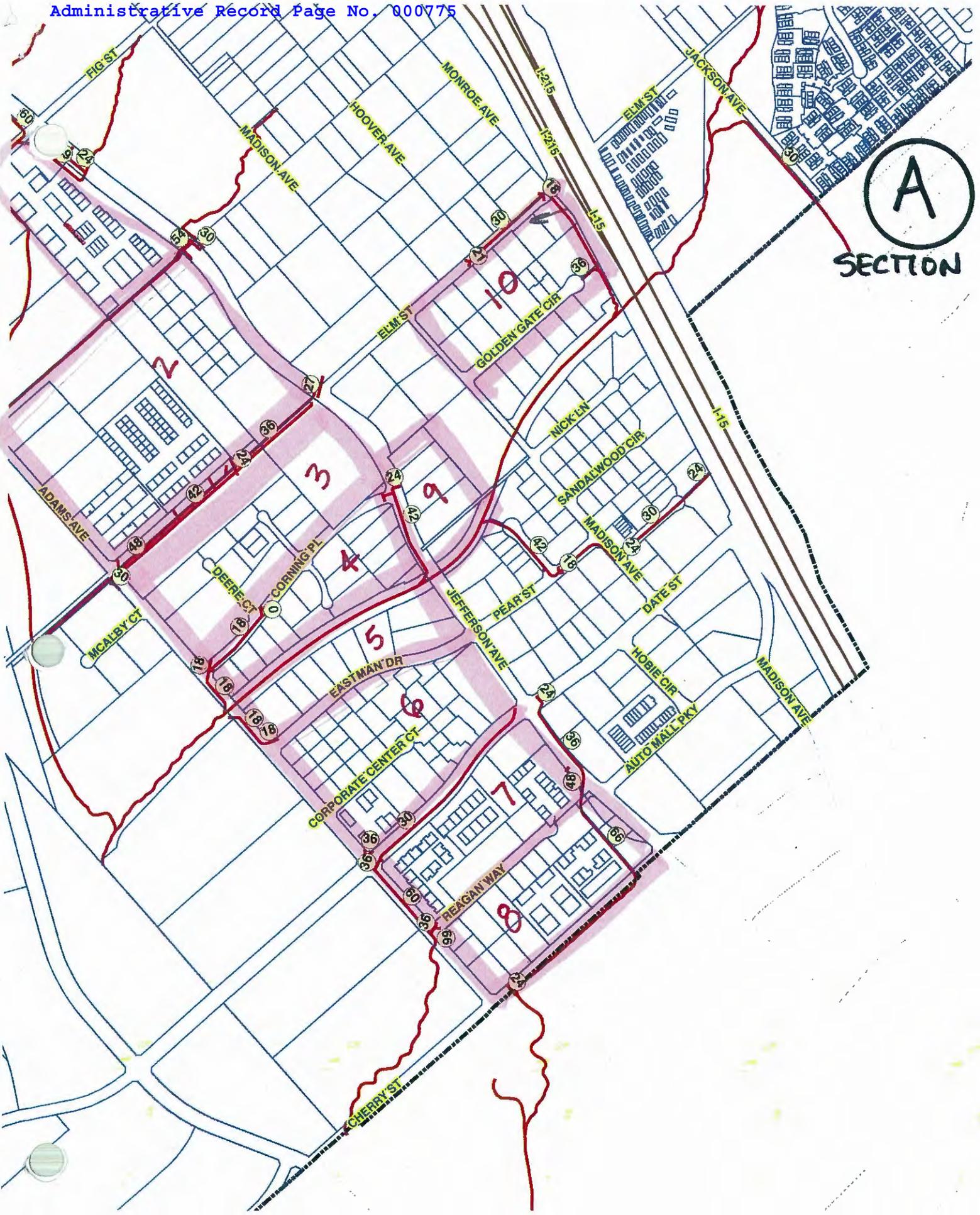
Priority	Type	Firm Name	Firm Name	Firm Address	Firm	Phone Number	Owner LName 1	Owner FName 1	Owner LName 2	Owner FName 2	Business Type Description	License Description
M		Pro Surplus Inc.		1350 E 6th St	Coron	9512783500	Dopozo	Roland			State License Contractor	State Licensed Contract
H	Food	Pam & Jas, Inc.	7-Eleven	41260 Murrieta Hot Spr	Murr	9728280711	Singh	Paramjit	Kaur	Jaspal	Convenience Store	Convenience Store
H	Food	Pam & Jas, Inc.	7-Eleven	28015 Scott Rd	Murr	9728280711	Singh	Paramjit	Kaur	Jaspal	Convenience Store	Convenience Store
M		First Industrial Construction, Inc. Db	First Ind	26871 Hobie Cir #B4	Murr	9513049098	Holwick	Melinda	Holwick	Gregg	State License Contractor	General Contractor
H		Jefferson Transmissions Plus		26793 Madison Ave #10	Murr	9516981515	Reyes	Juan Solorio			Auto Repair	Auto Repair
L	Food	Bright Works Incorporated	Jamba J	40930 California Oaks R	Murr	4247447311	Anderson	John			Food Store (novelty)	Smoothie Shop
L		Clear Pro L L C		41083 Sandalwood Cir	Murr	9513269072	Pugh	Lance			Business Services	Clear Protective Coveri
H		Final Speed Garage		26490 Jefferson Ave #G	Murr	9516988161	Martinez	Cyrus J			Auto Repair	Automotive Repair
L	Food	Rolling Moon Inc. Db	Rolling M	40685 California Oaks R	Murr	9516008755	Moon	Sung P	Korman	Jang	Restaurants without Alcohol	Restaurant - No Alcho
L		Tendo Signum L L C		41725 Elm St #204	Murr	9515262141	Burns	Phillip C	Burns	James A	Manufacturer	Manufacturer Of Electr
L		Diamond Valley Towing & Recovery - storage yd?		41715 Elm St #402	Murr	9516091187	Manneh	Saman A			Towing	Towing & Vehicle Stora
L		U-Haul Co Of California		25086 Jefferson Ave	Murr	6027763244	Jefferson	Savelle	Settles	Jennifer	Auto Rental	Short-Term Rental Of T
L		Supreme Detailing, Inc.	Murriet	24700 Washington Ave	Murr	9515147738	Staebling	John			Car Wash	Self-Serve And Detailing
L		B U W W Coverings California	B U W W	25747 Jefferson Ave	Murr	9518941816	Zeilinger	Phillip J			Manufacturer	Light Sheet Metal Manu
L		G H A Rentals - RV storage yd/ on list twice		25698 Adams Ave	Murr	9517199930	Soto	John R	Soto	Carrie A	Auto Rental	Re/Trailer Rentals
M		Genie Construction Inc.		26323 Jefferson Ave #H	Murr	9512402722	Shin	Kiesuk			State License Contractor	General Contractor - Ol
L		J D Mercado, Inc.	Doctor I	41110 Sandalwood Cir	Murr	7607761197	Mercado	Juan	Mercado	Denise	Business Services	Fuel Maintenance Svc/I
L	Food	Sebastian Italian Grill		39621 Los Alamos Rd #	Murr	9514437968	Aceves	Owsbaldo	Bernardino	Alfonso	Restaurants with Alcohol	Restaurant With Beer A
L	Food	Jazy's Juice Db	Juice It	24530 Village Walk Pl #	Murr	9518133333	Rogers	Don	Rogers	Lisa	Food Store (novelty)	Smoothie And Yogurt S
H		Murrieta Diesel And Auto Inc.		26193 Jefferson Ave	Murr	9513049301	Serrano	Jesus			Auto Repair	Auto Repair
L		Blue Rock Wholesale Store - LS storage yard		41529 Ivy St	Murr	9512100616	Michelle Campos	Rosa V			Retail/Wholesale	Landscape Materials - V
H		Family Auto & Truck Racing		41735 Elm St #202	Murr	9514914132	Salyer	Zach			Retail/Wholesale	Retail Racing Products
H		S A S Properties Inc.		39460 Murrieta Hot Spr	Murr	9493559027	Singh	Tajender Jit	Dewan	Shanti	Gas Station	Gas Station/Convenien
Same		D S Investments Inc.		39460 Murrieta Hot Spr	Murr	9493559027	Singh	Tejinder	Dewan	Shanti	Car Wash	Car Wash
H		Dunn-Edwards Corporation	Dunn-Ed	26901 Jefferson Ave #1	Murr	3237713330	Altergott	Karl			Retail/Wholesale	Retail Sales Of Paint An
L		Lambhodar Foods Inc Db	Subway	40790 California Oaks R	Murr	9516002572	Prajapati	Ashvin			Restaurants without Alcohol	Fast Food Sandwich Shi
L		Choppa L L C Db	Jersey M	25359 Madison Ave #10	Murr	7607413634	Ilic	Boris	Ilic	Laurie	Restaurants without Alcohol	Del Restaurant - No Alk
L	Food	Los Berto's Mexican Food		25312 Madison Ave #10	Murr	9516965919	Chavez Sosa	Francisco J			Restaurants without Alcohol	Fast Food - No Alcohol
H		A & A Auto Repair Specialists, LLC		41214 Sandalwood Cir	Murr	9516001145	Gamboa	Antoine G	Gamboa	Alex	Auto Repair	Auto Repair & Smog
L		V C A Animal Hospitals, Inc.	V C A Ca	40575 California Oaks	Murr	9516988919	Antin	Robert L	Fuller	Thomas W	Veterinarian Hospital	Veterinarian Hospital
M		Pinpoint Restoration		41146 Elm St #H	Murr	9519700240	Jensen	Michael	Denton	Dillion	State License Contractor	General Contractor For
H		Circle K Stores Inc. Db	Circle K	39850 Los Alamos Rd	Murr	9516000182	Hannasch	Brian			Gas Station	Gas Station And Conve
H		Cal Oaks Auto Repair		40648 California Oaks R	Murr	9516770174	Haddad	Mounir			Auto Repair	Auto Repair
M		C G Systems, Inc.	Californ	1281 N La Loma Cir	Anah	7146328882	Squire	Kevin W			State License Contractor	Automated Access Syst
L		E J Itnam Inc. Db	Wood R	33050 Antelope Rd #20	Murr	3308395521	Workman	Jacob	Workman	Emily	Restaurants without Alcohol	Pizza Shop - Carry Out -
H		Mountain View Tire & Service Inc		27584 Clinton Keith Rd	Murr	9513016940	Mitsos	Nicholas	Mitsos	Irene	Retail/Wholesale	Retail Tire Sales/Auto R
L	Food	Del Taco LLC	Del Taco	27596 Clinton Keith	Murr	9516794499	Murphy	Paul	Brake	Steve	Restaurants without Alcohol	Fast Food Restaurant
L		Best Price Radiator		26043 Jefferson Ave #D	Murr	9516772881	Salazar	Alejandro			Retail/Wholesale	Wholesale Radiator Dis
L	Food	Taco Bell Corp.	Taco Be	24656 Madison Ave	Murr	5028746111	Lora	Melissa	Barbour	Remona	Restaurants without Alcohol	Retail Restaurant-Fast F
L	Food	Cuca's Mexican Food		24530 Village Walk #A	Murr	9095531539	Gutierrez	Robert			Restaurants with Alcohol	Full Service Restaurant
M		R E O Services Cal	John G.	23820 Via Madrid	Murr	7606137369	Ray	John G			State License Contractor	General Contractor/Off
L	Food	A Carini's		25135 Madison Ave #10	Murr	9516777710	Carini	Antonio	Carini	Patricia	Restaurants with Alcohol	Full Service Restaurant
L	Food	The Dog House		29992 Hunter Rd #104	Murr	7146540758	Denny	Steven	Denny	Cheryl	Pet Grooming	Dog Grooming
H		City High Auto		26520 Adams Ave	Murr	9512905200	Henke	Jeremie			Auto Repair	Custom Auto Repair
L	Food	Subiworks		26793 Madison Ave #10	Murr	9516915679	Tusow	Chris			Auto Repair	Subaru Auto Repair Fac
L	Food	Alamos Subway Associates Inc. Db	Subway	39872 Los Alamos Rd #	Murr	9516722773	Sud	Shipra	Sud	Anchal	Restaurants without Alcohol	Sandwich Shop - No Alc
L		Victor's Welding Creations		41705 Elm St #202	Murr	9519729961	Vega Garcia	Victor J			Repair Services	Welding Repair-Iron W
H		Mr. Bill's Body Shop		26765 Madison Ave #10	Murr	9516775100	Wilson	William			Auto Repair	Auto Body Repair
M		Field Asset Management		25060 Hancock Ave #10	Murr	9512529073	Cadena	Dana			Janitorial/Housekeeping	Preservation - Clean Up
L	Food	Hole-N-One Donuts & Bagels #2		33040 Antelope Rd #10	Murrieta, CA 92563		Khor	Davith	Khor	Sonantha	Food Store (novelty)	Bakery - Donuts & Bage
H		Perry's Performance Db	Perry's	26793 Madison Ave #10	Murr	9512855955	Perry	Daniel	Perry	Shannel	Auto Repair	Automotive Repair
L	Food	L T Y Seoul, Inc. Db	Denny's	25365 Madison Ave	Murr	9516960812	Tabrizzadeh	Ali	Tabrizzadeh	Tanya	Restaurants without Alcohol	Restaurant - No Alcho

BUSINESS IN MURRIETA

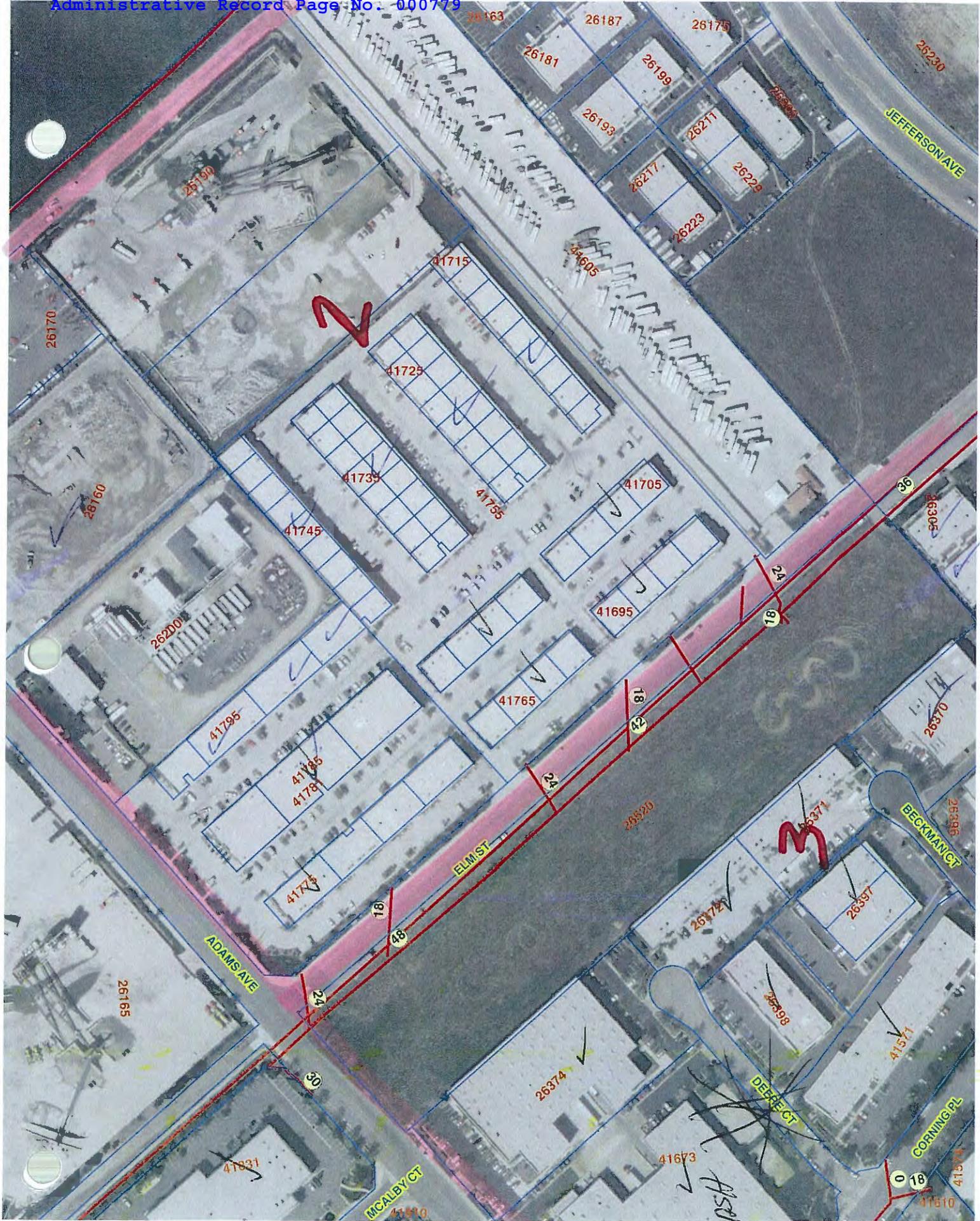
Priority	Type	Firm Name	Firm Name	Firm Address	Firm	Phone Number	Owner LName 1	Owner FName 1	Owner LName 2	Owner FName 2	Business Type Description	License Description
L	Food	Shao Inc. Dba	J J Revo	33040 Antelope Rd #10	Murr	6263186629	Shao	Ling			Restaurants with Alcohol	Restaurant - With Alco
L	Food	Tropical B B Q, L L C Dba	Lazy Bro	26684 Margarita Rd #10	Murrieta, CA 92563		Hall	Xiomara			Restaurants without Alcohol	Deli Sandwiches, Etc. -
L	Food	Lazlos Fine Foods	Bob's M	41539 Kalmia St #109	Murr	9516969898	Everson	Linda	Everson	Max	Restaurants with Alcohol	Restaurant
L	Food	J T J M, Inc. Dba	Submar	33040 Antelope Rd #10	Murr	7604812399	Warfield	Jeffrey			Restaurants without Alcohol	Deli Sandwich - No Acc
L	Food	The Dogs' Palace		26612 Margarita Rd #10	Murr	9512003633	Willcock	Philip	Wilcock	Kate	Business Services	Dog Grooming
L		American Canyon Solutions, Inc. - storage yard?		41615 Reagan Way	Murr	9514535138	Mabe	Lori	Re	Eirn	Equipment Rental	Large Equipment Renta
M		The Million's Landscape And Maintenance		41165 Breckin Ct	Murr	9514730385	Million	Jacques C			Gardening/Landscaping	Landscape Services
M		Harris & Associates Inc.		26395 Jefferson Ave #H	Murr	9258274900	Larrabee	Lisa	Kozlowski	Edward	State License Contractor	Eng & Construction Mg
H		Henley Pacific L A L L C Dba	Valvolin	40430 California Oaks	Murr	6172430404	Henley Pacific L A				Auto Repair	Automotive Lubricator
H		Inland Valley Auto		26500 Jefferson Ave #A	Murr	9513040503	Mattes	Michael A			Auto Repair	General Auto Repair
H		A W D Automotive		26450 Jefferson Ave #1	Murr	9512652000	Klobetanz	Charles H	Klobetanz	Cassandra T	Auto Repair	General Automotive Re
H		T P C Transportation Enterprises, Inc.		41379 Date St	Murr	9512346640	Caso	Thomas P			Auto Dealerships	Wholesale Auto
L	Food	Brew-Ligion L L C Dba	Brew-Li	39809 Avendia Acacias	Murr	9515320174	Szychulda	Brent	Toner	Mike	Restaurants with Alcohol	Restaurant And Brewer
H		Team Plus Pro LLC	Dba Tea	26323 Jefferson Ave. St	Murr	9513042026	Zamora	Joseph A			Auto Detailing	Installation Of Spray-Or
L		Temecula Towing - storage yard?		41196 Nick Ln	Murr	9519708124	Volpe	Leonard			Towing	See Attached Letter-No
L		Explicit Craftworks Dna Inc.		41735 Elm St #303	Murrieta, CA 92562		Murphy	Dan			Manufacturer	Custom Metal Crafting,
L	Food	Mama Rose's Pizzeria		40477 Murrieta Hot Spr	Murr	7142716159	Ruvalcaba	Ramon	Ruvalcaba	Sofia Abiga	Restaurants with Alcohol	Restaurant With Alcoh
L	Food	Noodle Land		25395 Madison Ave #1	Murr	6198072320	Santibouthy	Eric			Restaurants without Alcohol	Dining Restaurant (No
L		H I N B, LLC	Hamp	25140 Hancock Ave	Murr	7144274320	Patel, Trustee	Kiran		Nilesh And	Hotel/Motel	Hotel
L		Material Supply, Inc.	M S I - H	41357 Date St	Murr	9513600630	Quinn	Dion			Retail/Wholesale	Sub-Lease From W C H
L	Food	Panaderia & Taqueria Cruz		41539 Kalmia St #120	Murr	9514614824	Cruz	Bereniz	Cruz	Mario	Restaurants without Alcohol	Mexican Food & Baken
L	Food	Olivewood Markets, Inc.	The Fari	41516 Kalmia St	Murr	9518372222	Schleuniger	Craig			Grocery Store	Grocery Store
L	Food	My Haus Bakery		40250 Murrieta Hot Spr	Murr	9516007878	Cariaga, Jr.	Saturmino C			Restaurants without Alcohol	Bakery Restaurant
L	Food	Tindera Enterprises, LLC	Nonno's	40711 Murrieta Hot Spr	Murr	9096276140	Tustin	Devin	Derviso	Gennaro	Restaurants with Alcohol	Full Service Italian Rest.
L	Food	Taste Of Siam Cuisine		40365 Murrieta Hot Spr	Murr	9516775590	Chailert	Valita			Restaurants without Alcohol	Thai Cuisine Restaurant
H		Precision Paint & Body Works		26793 Madison Ave #10	Murr	9515266682	Kantin	Robert	Kantin	Shelley	Auto Repair	Minor Auto Body Repai
H		All G M Auto		26692 Pierce Cir #B	Murr	9513040511	Schoenwald	Lance Allen			Auto Repair	Minor Repair/No Lifts
L	Food	Family Investment Group, LLC	Dba T J	39872 Los Alamos Rd. #	Murr	9516989859	Abdi	Fred	Abdi	Melody	Restaurants with Alcohol	Pizza Restaurant (With
M		Perry R Mansell Consulting &	General	341467 Northgate Ave	Teme	9516995580	Mansell	Perry			State License Contractor	General Contractor
L	Food	Clark & Clark, Inc.	Las Mor	33040 Antelope Rd Ste.	Murr	9517231286	Clark	Dolphe S	Clark	Linda J	Restaurants with Alcohol	Restaurant - Beer & Wi
M		Cal West Concrete		1434 Valley Dr	Norco	9512721302	Beatty	Ron			State License Contractor	Concrete Contractor
H		Bladez Automotive		26871 Hobie Cir #B8, 9	Murr	9516776059	Lundblade	Gary C			Auto Repair	Basic Auto Repair And
L		Basics Etc. Corp	Basics E	41735 Cherry St	Murr	9512960100	Kypka	Mike	Kypka	John	Warehouses	Automotive Accessorie
L		Steven M Costuma, D V M	D B A Ar	39885 Alta Murrieta Dr	Murr	9516987511	Costuma	Steven M	Orahood Costuma	Megan	Veterinarian Hospital	Veterinarian Hospital
L		Re Planet, LLC		41000 California Oaks Rd	Murr	9515201700	Rougelot	Rod			Recycling	Bev Recycling Ctr In Alt
L		Re Planet, LLC		40473 Murrieta Hot Spr	Murr	9515201700	Rougelot	Rod			Recycling	Bev Redemption Ctr In
L		Re Planet LLC		23801 Washington Ave	Murr	9515201700	Rougelot	Rod			Recycling	Bev Recycling Redempt
M		Valley Scapes Landscape Maintenance		41900 Ivy St #36	Murr	9518373209	Cicala	Taylor M			Gardening/Landscaping	Landscape Maintenanc
L	Food	Southern Pacpizza LLC	Pizza Hu	25030 Hancock Ave #10	Murr	3.1669E+12					Restaurants without Alcohol	Restaurant - Food Servi
H		Jefferson Smog N Go, D B A	Jefferso	26622 Jefferson Ave. St	Murr	9518941021	Hernandez	Ray	Hernandez	Marisela	Auto Repair	Smog Station And Auto
H		Murrieta Auto Repair		26540 Jefferson Ave #F	Murr	9516984222	Christianson	Chris	Jones	Justin	Auto Repair	Automotive Repair Sho
L	Food	S D I R-Murrieta, L L C, D B A	Sonic Dr	39490 Murrieta Hot Spr	Murr	7602082090	Gelwix	Max	Powroznik	David	Restaurants without Alcohol	Quick Service Restaura
L	Food	Pho Dalat Restaurant		39400 Murrieta Hot Spr	Murr	9512151628	Nguyen	Tuanh	Nguyen	Toan T	Restaurants without Alcohol	Restaurant
M		All Professional Cleaning Systems		30630 Madrona Ct	Nuev	9517574087	Uriarte, Jr.	Emilio A			Business Services	Water Damage Clean U
M		All American Flood Restoration		41571 Corning Pl Ste. A	Murr	8004920205	Repic	Ted	Schilling	Tom	State License Contractor	Flood Restoration

**4. INDUSTRIAL / COMMERCIAL
(SECTION F.3.b. of ORDER NO. R9-2010-0016)**

ATTACHMENT D



A
SECTION



Handwritten note: *Handwritten note: "Habitat for Humanity" and "Camp 2" with arrows pointing to specific areas on the map.*





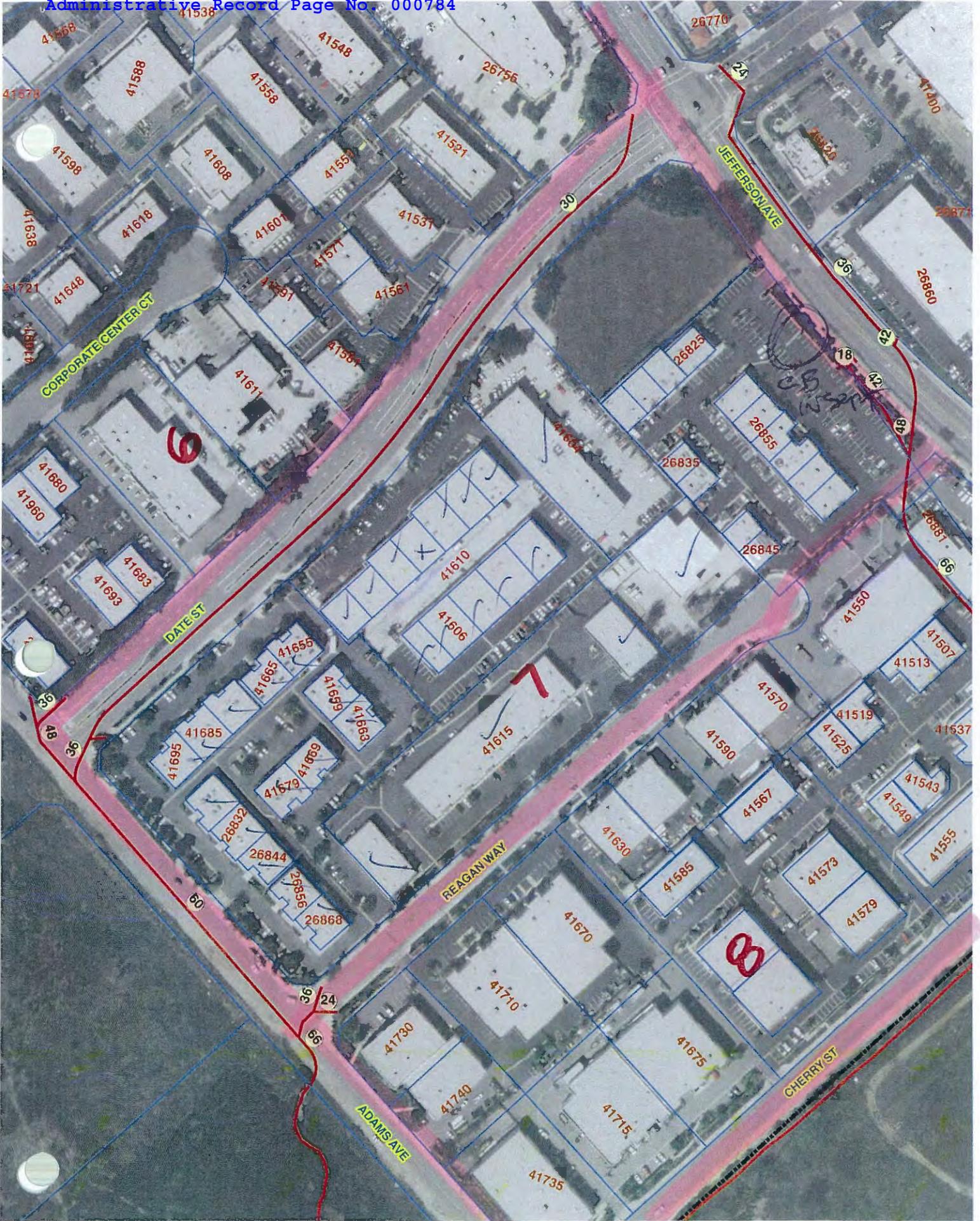
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 AUTOMOTIVE
 FOREIGN & DOMESTIC REPAIRS

Mark Occhipinti
 Owner

Ph 951-677-3913 41665 Eastman Dr. Ste 40
 Fax 951-677-3931 Murrieta, CA 92562
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e-mail: royg@hubhasit.com



Tires
Bus
Double
Decker

9

10

CORNING PL

JEFFERSON AVE

PIERCE CIR

PEAR ST

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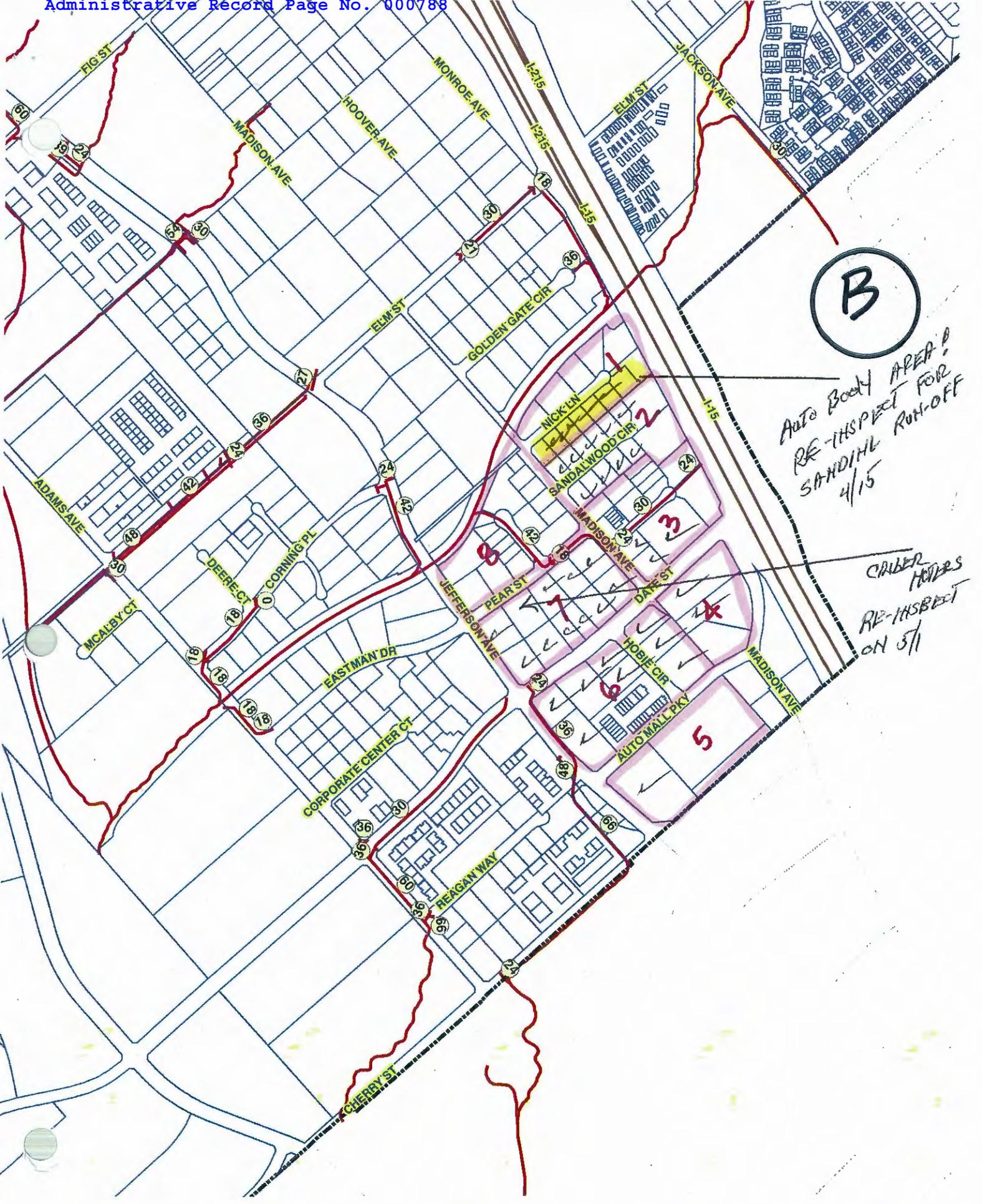
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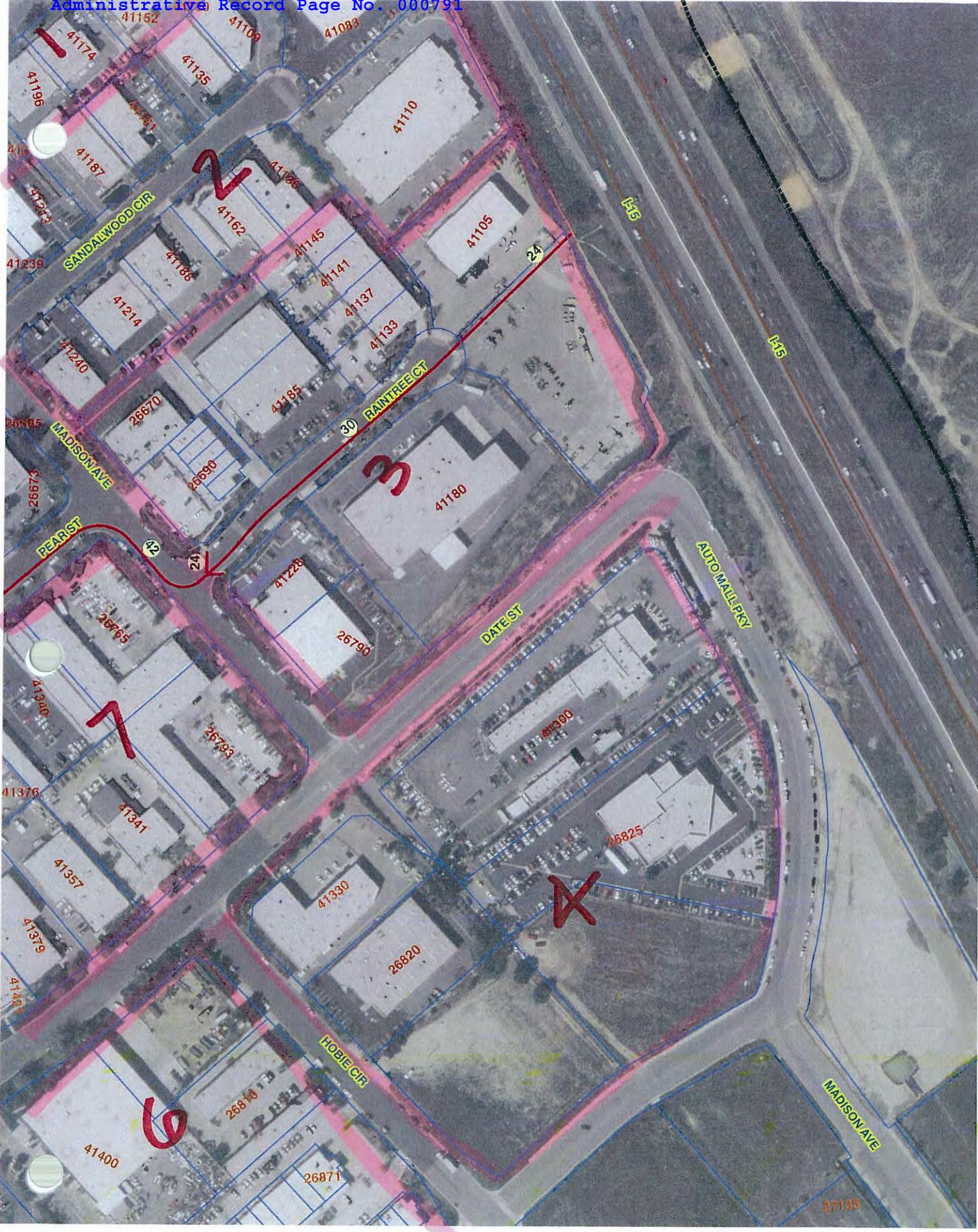


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Auto Body AREA?
RE-INSPECT FOR
SANDING RUN-OFF
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CRIBBER
HOLES
RE-INSPECT
ON 3/1





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GANDALLWOOD CIR RAINFOREST CT DATE ST HOBIE CIR MADISON AVE

PEARL ST AUTO MALL PKY



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MADISON AVE

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JEFFERSON AVE

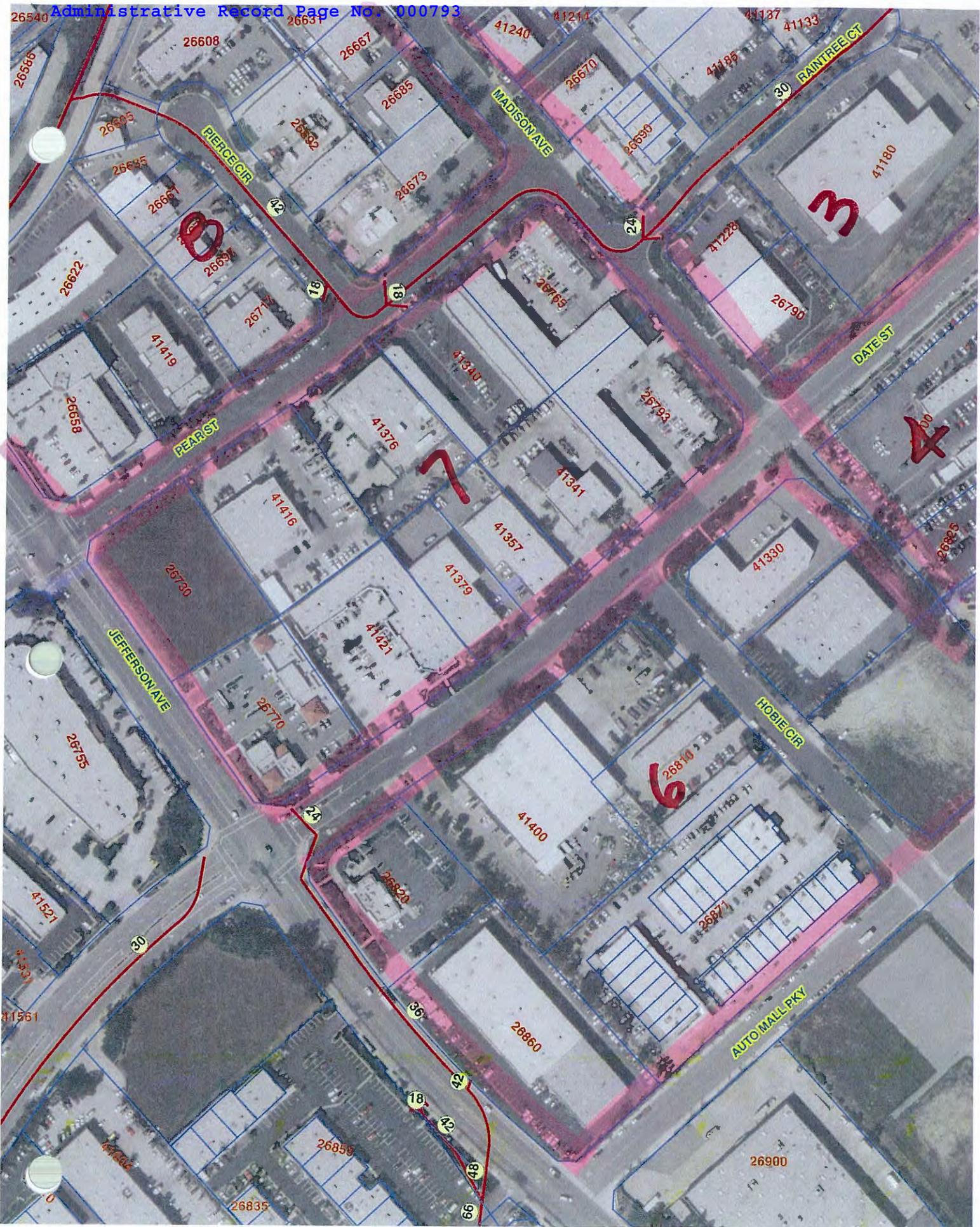
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AUTO MALL PKY

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Steve Drippon
Center Manager

3/27/13
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Murrieta Center

41416 Pear street

Murrieta, CA 92562

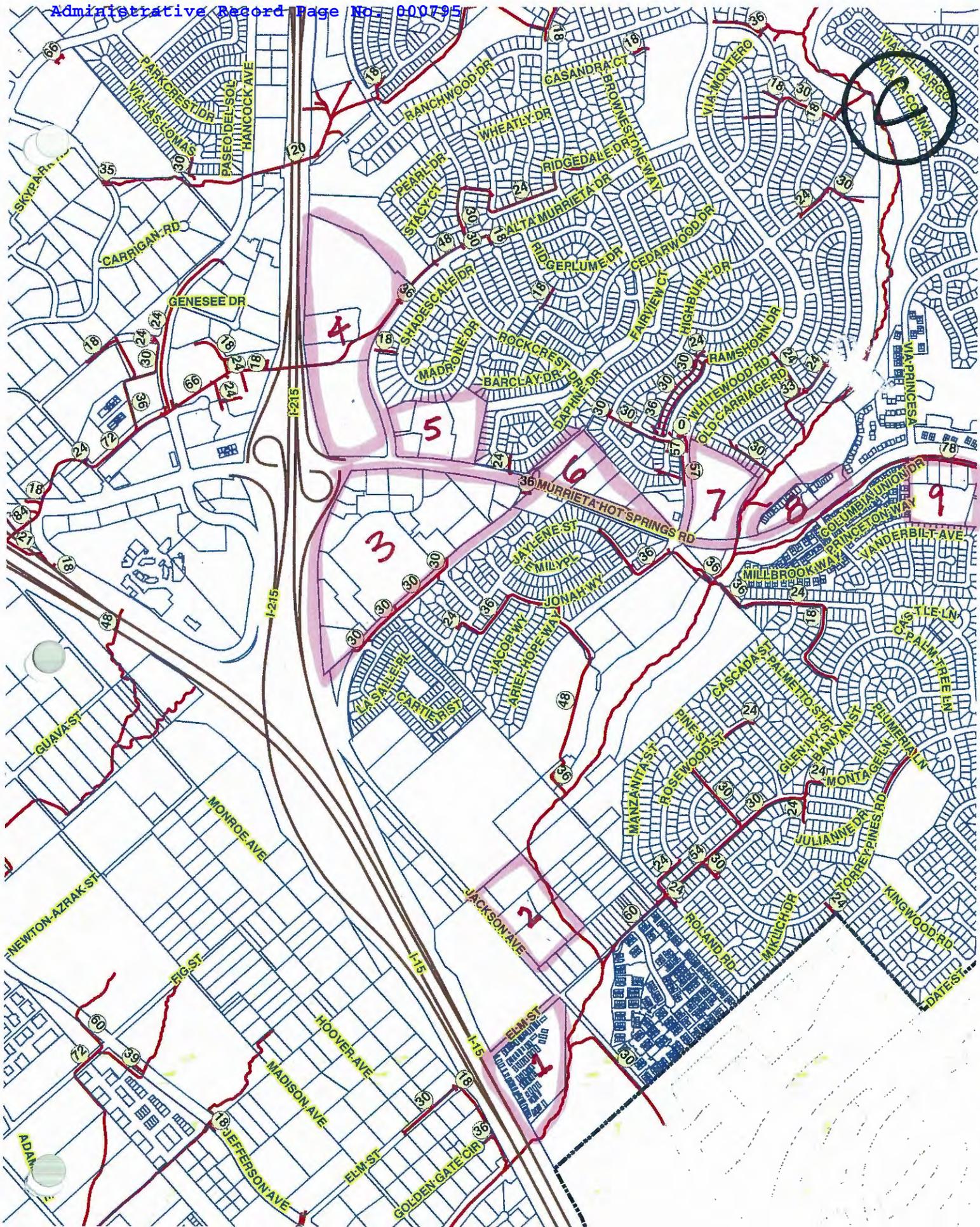
Phone: 951/677-3533

Cell: 760/401-0141

Fax: 951/698-6743

E-mail: steve.drippon@calibercollision.com





WARM SPRINGS CREEK - CENTRAL



26240

48745

ELM ST

JACKSON AVE

ARBORETUM WAY

26311
26317

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I-215

I-415

I-415

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26307 26336 26352
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N

JACKSON AVE

26240

40749





QUENTIN MURPHY

STATS	
Position	General Manager
Phone	951.677.3636
Fax	951.677.3350
E-Mail	bww3324@gmail.com
Address	40484 Murrieta Hot Springs Rd. Murrieta, CA 92563
Favorite Flavor	Mango Habanero™
Favorite Sport	Baseball



1215



4

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3

MURRIETA HOT SPRINGS RD

ALIA MURRIETA DR

SHADE SCALE DR

ROWAN CT

NOLING CT

MADRONE DR

66

39855

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ADOTT

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ALTA MURRIETA DR

ROWAN CT

NOLING CT

MADRONE DR

KNOLLWOOD DR

STACY CT

BUFFY WAY

ROCKCREST DR

CHOLLA CT

SHADEVALE DR

30477

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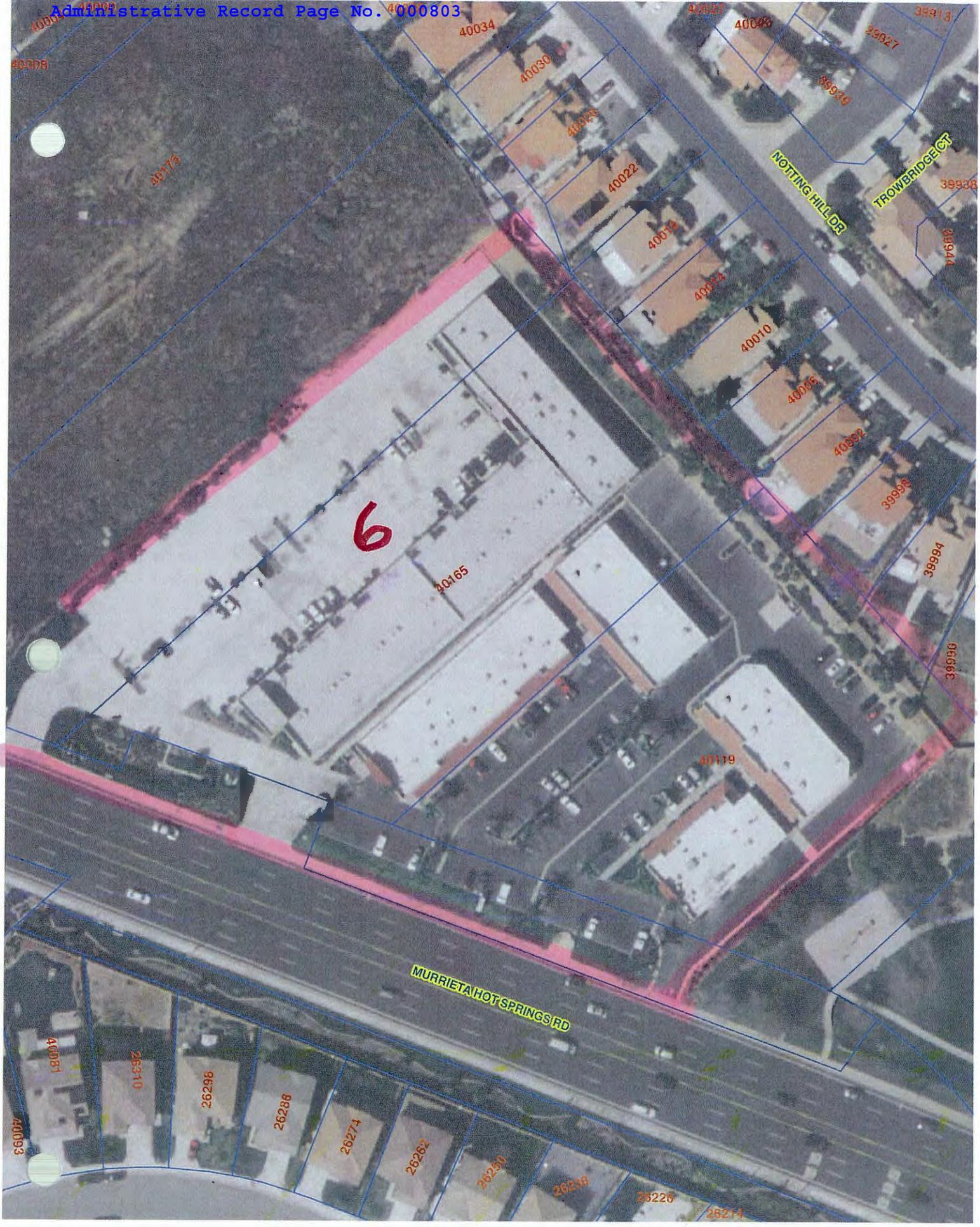
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MURRIETA HOT SPRINGS RD

NOTTING HILL DR

TROWBRIDGE CT

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40002

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POND PARK

8

39755

MURRIETA HOTSPRINGS RD

CAGREEK UNION DR

COLUMBIA UNION DR

ALPINE UNION ST

WILLIAMS WY

PRINCETON WY

SCHOOL HOUSE WY

39918

39906

39894

39882

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26137

26125

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39753

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PRINCESA

MURRIETA HOT SPRINGS RD

MARGARITA RD

MARGARITA SQ.

VANDERBILT AVE

PAISADES

COLLIER UNION DR

ALCOTT UNION DR

28741

28691

28661

28771

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MARGARITA VILLE





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VANDERBILT AVE

MARGARITA RD

MURRIETA HOT SPRINGS RD

MONARCH DR

CLEARBROOK DR

VIA EL AVION

VIA LA ROJA

VIA LA RUEDA

VIA ESCARLATA

CALLE DE LA SIESTA

VIA CALMA

VIA AZUL

VIA AMARILLA

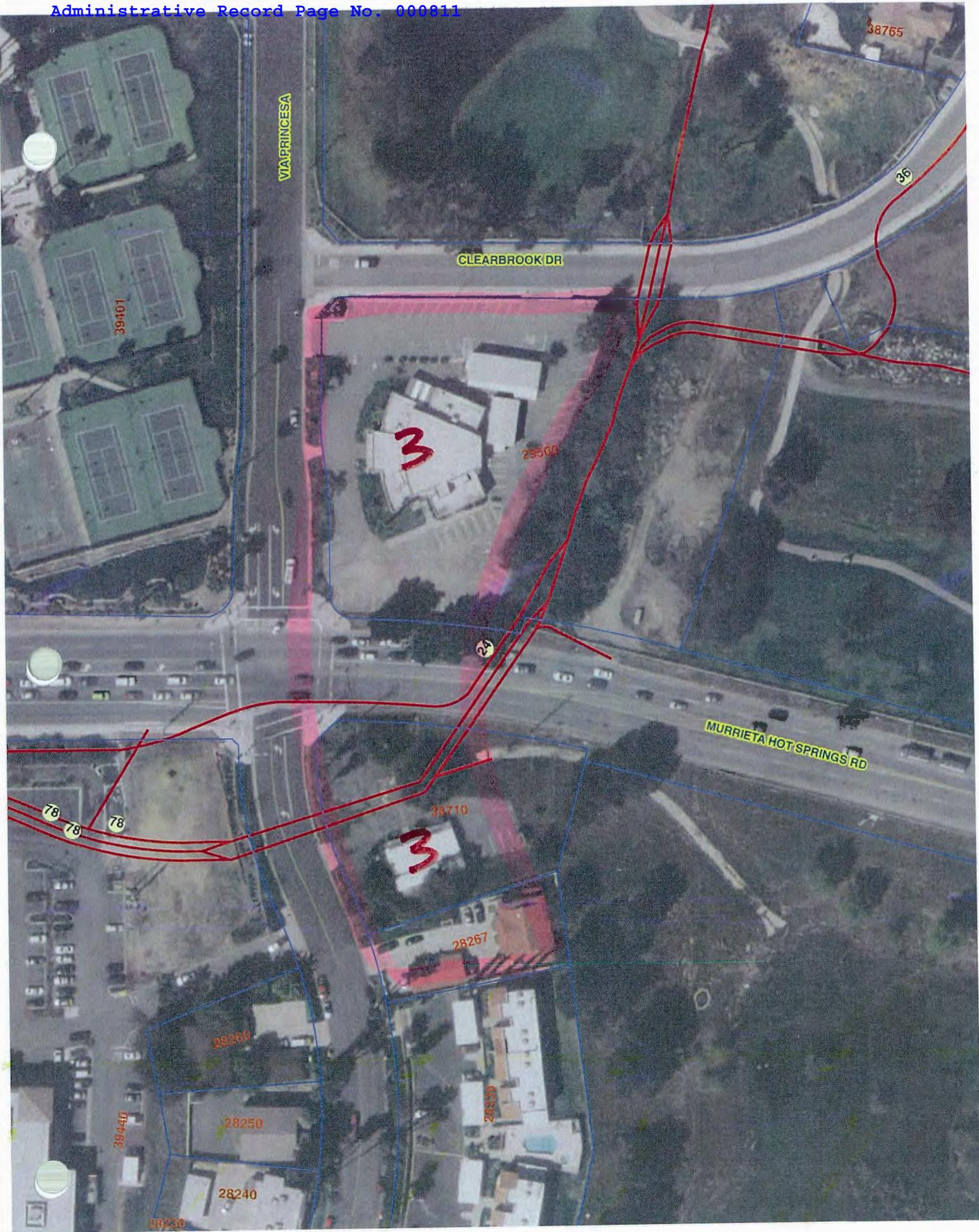
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VIA MAGNOLIA

VIA LOS FLORES

VIA PRINCESA

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VIA PRINCESA

CLEARBROOK DR

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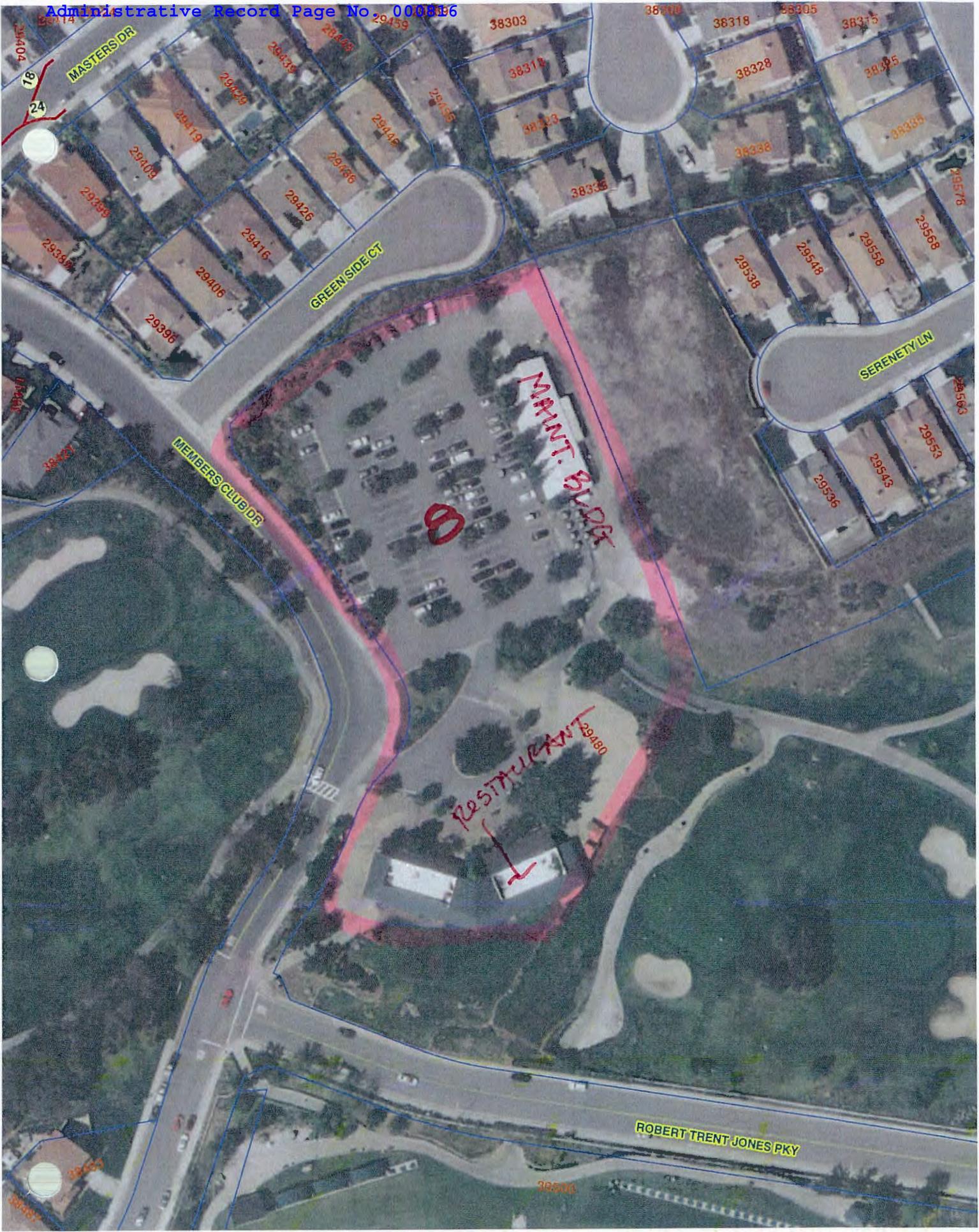
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ROBERT TRENT JONES PKY

WINCHESTER RD





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MAINT. BLDG
RESTAURANT

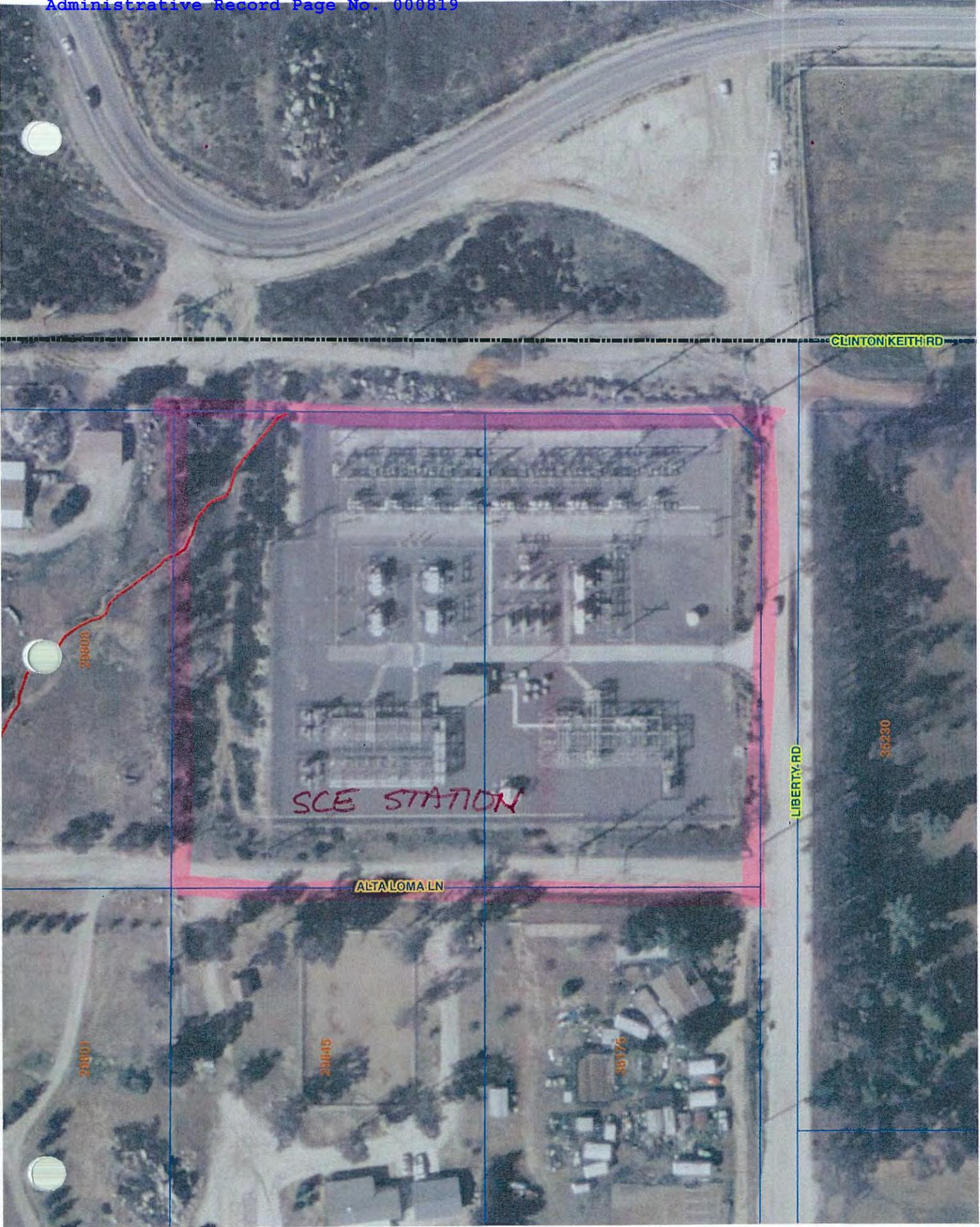
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ROBERT TRENT JONES PKY





SCE SUBSTATION



CLINTON KEITH RD

SCE STATION

ALTA LOMA LN

LIBERTY RD

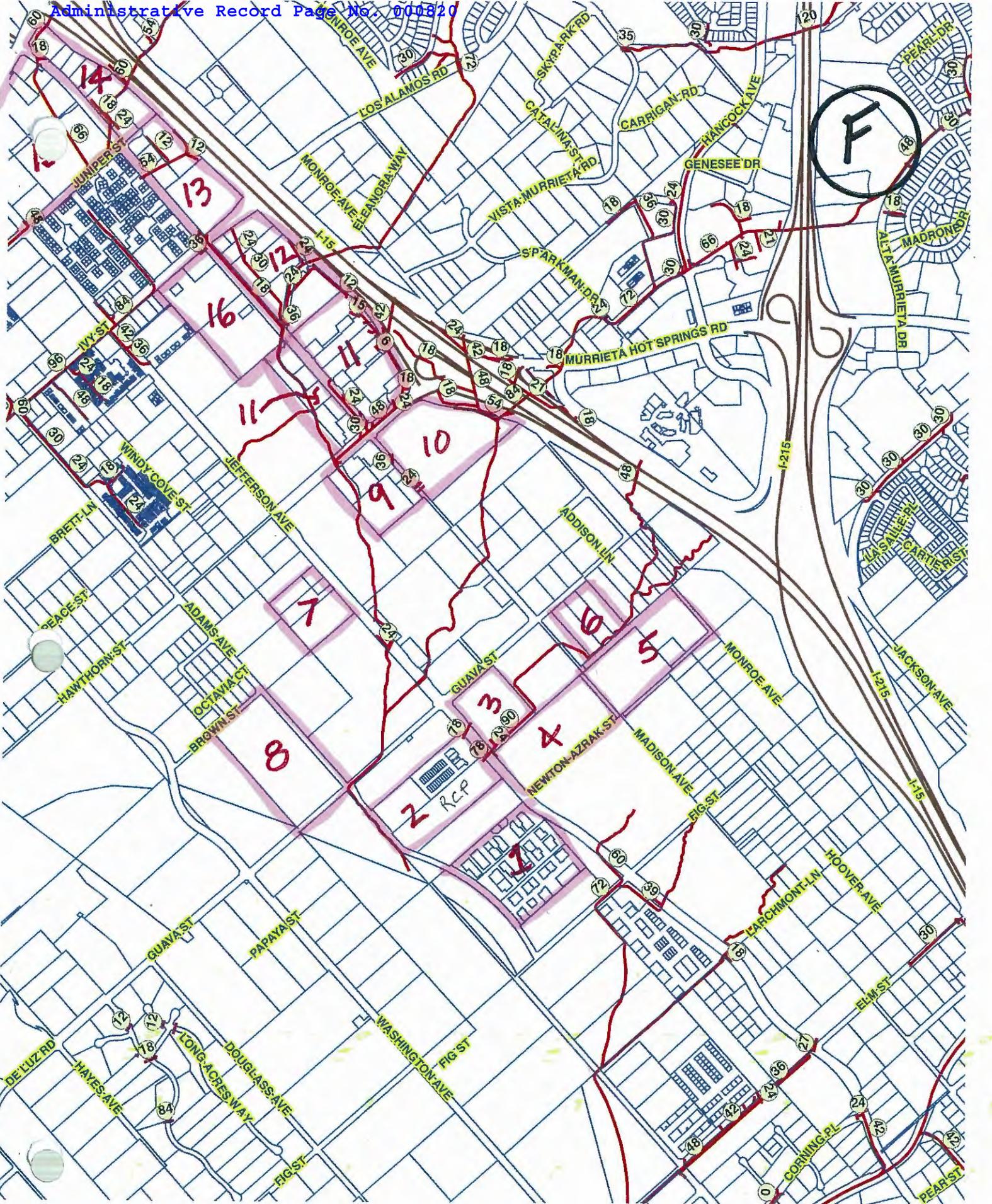
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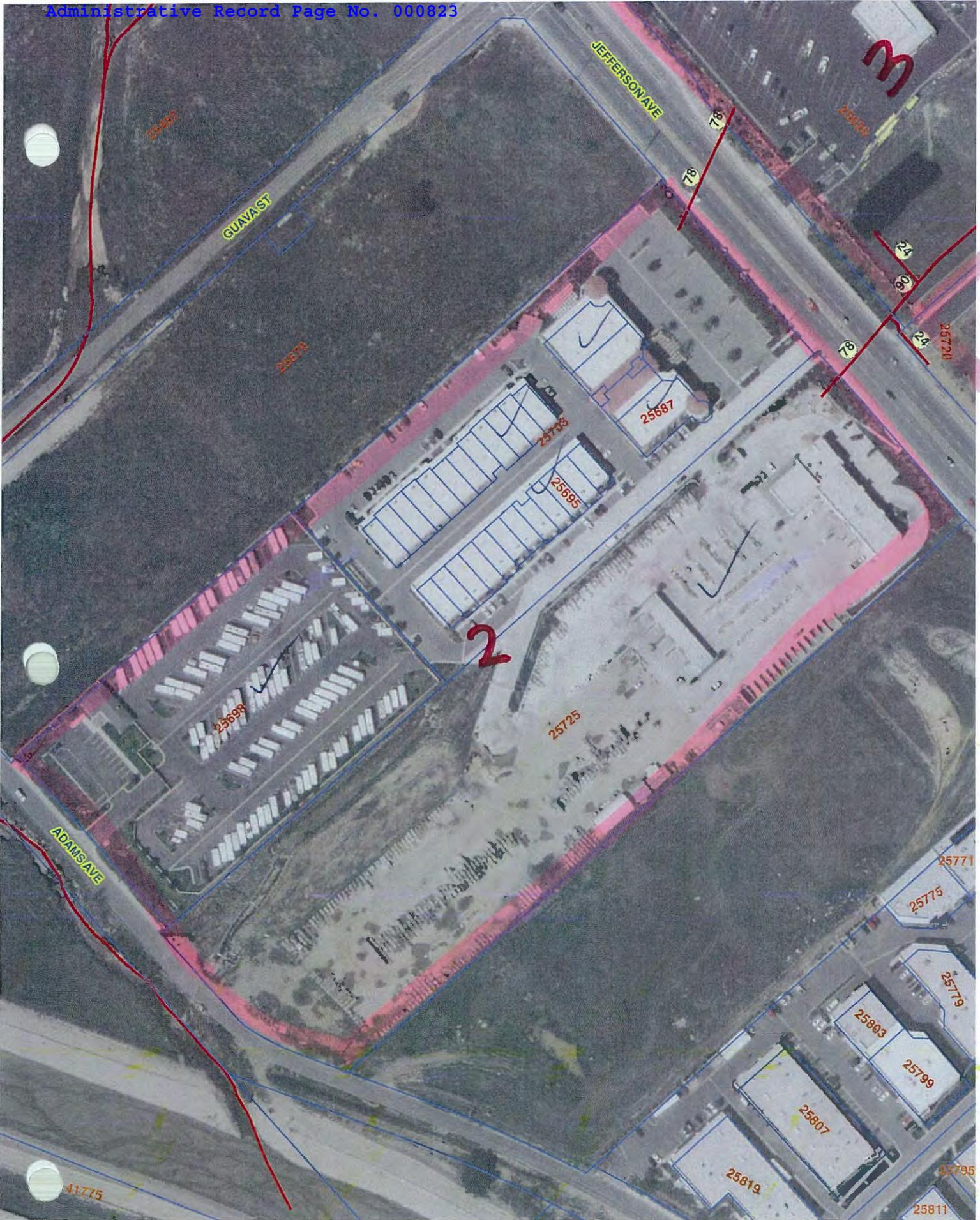
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2

M

GUAYA ST

JEFFERSON AVE

ADAMS AVE

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3

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GAS LO

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GUAVA ST

MADISON AVE

JEFFERSON AVE

NEWTON AVE

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INfiltration Area

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JEFFERSON AVE

MADISON AVE

NEWTON AZRAK ST

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GUAVAST

MONROE AVE

PROMISE LUTHERAN CHURCH

BORDER PATROL

MADISON AVE

NEWTON AZRAK ST

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ADDISON LN

MONROE AVE

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GUAVA ST

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MADISON AVE

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LEILA VERDES

CHAMPLAIN AVE

OCTAVIA CT

BROWN ST

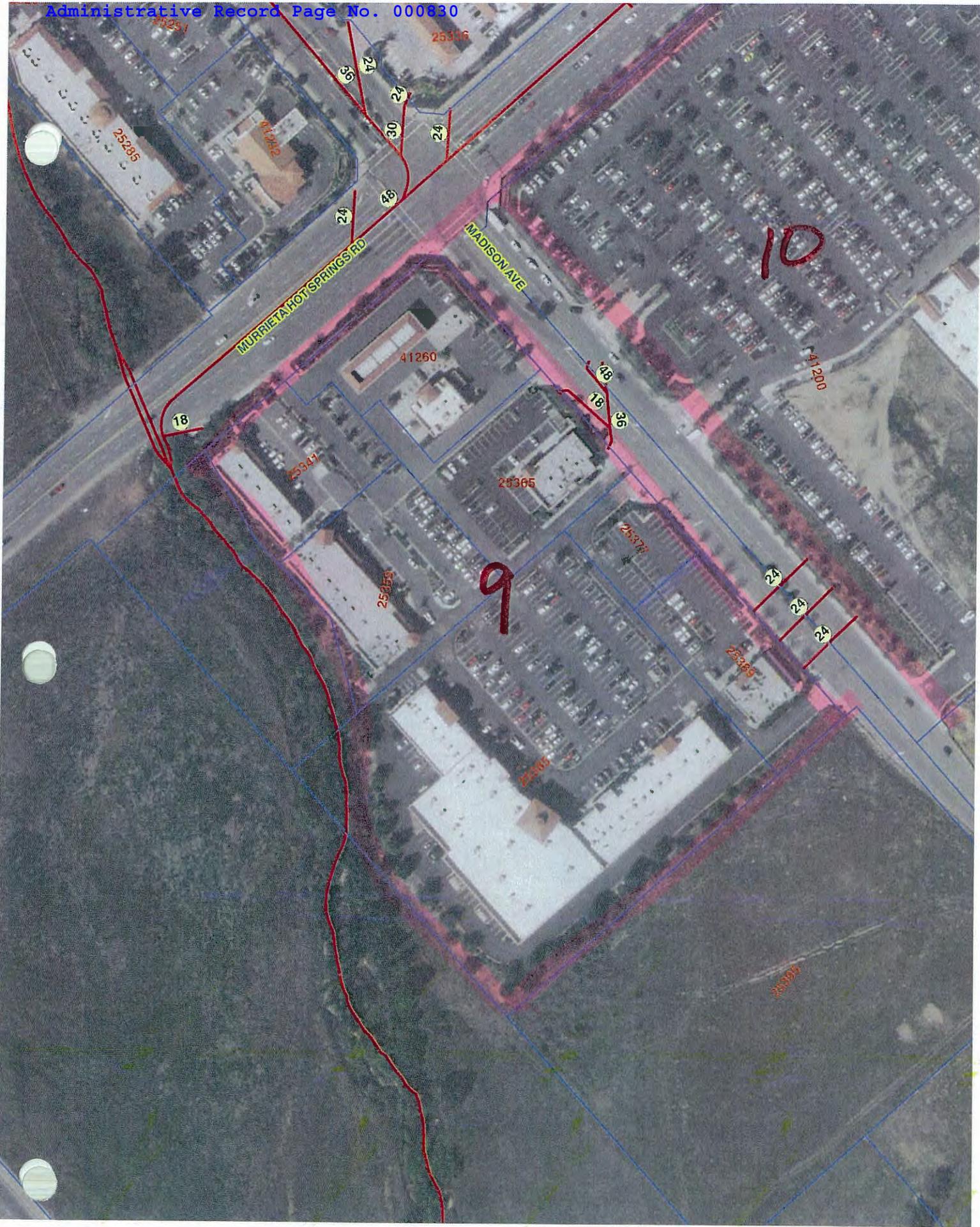
ADAMS AVE

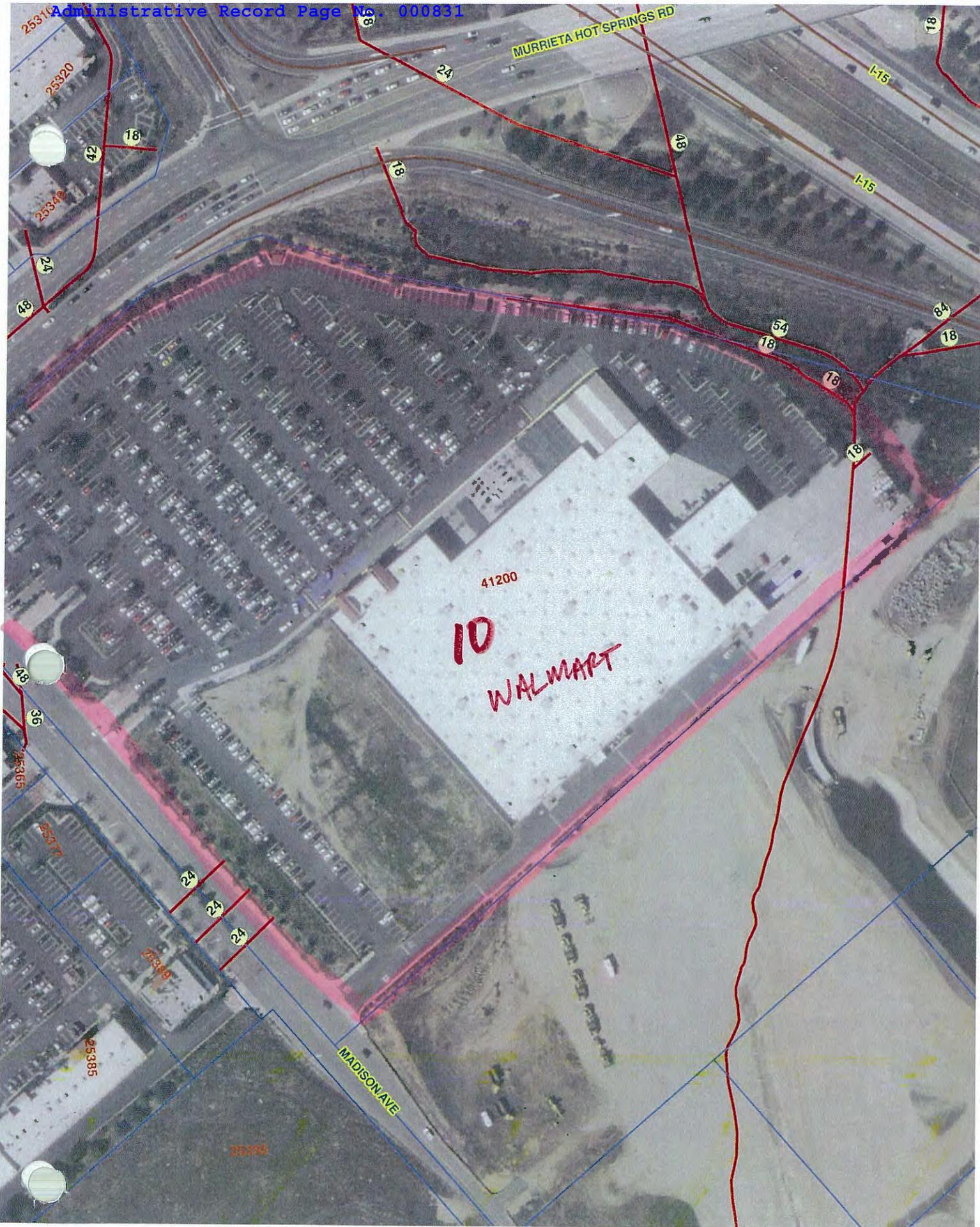
WASHINGTON AVE

GUAVA ST

GUAVA ST

8





5. RESIDENTIAL
(SECTION F.3.c. of ORDER NO. R9-2010-0016)

1) Provide an updated list of minimum BMPs required for residential areas and activities as required by Section F.3.c.(2)(b) of the 2010 SMR SM4 Permit [K.3.c.(4)1]

Area of Activity	Designated BMPs	Reference Material
<p>A Automobile repair, maintenance, washing and parking</p>	<ul style="list-style-type: none"> • Collect and properly dispose of automotive fluids and other waste • Clean up spills using dry cleanup methods where possible • Store Hazardous Materials away from rain and runoff • Avoid hosing down parking areas. • Prevent all wash water, leaks and/or spills from entering the street or MS4 	<p><u>Brochures (see Attachment E):</u></p> <ul style="list-style-type: none"> • Automotive Maintenance and Car Care Brochure • Outdoor Cleaning <p><u>CASQA BMP Fact Sheets:</u></p> <ul style="list-style-type: none"> • SC-20, • SC-21, • SC-22, • SC-43
<p>B Home and garden care activities and product use (pesticides, herbicides and fertilizers)</p>	<ul style="list-style-type: none"> • Prevent irrigation runoff • Store and apply pesticides, fertilizers and other chemicals in accordance with their labeling • Avoid applying pesticides, herbicides and fertilizers before forecasted rain 	<p><u>Brochures (see Attachment E):</u></p> <ul style="list-style-type: none"> • Tips for Landscape and Garden • 10 Ways to Save Water Outdoors <p><u>CASQA BMP Fact Sheets:</u></p> <ul style="list-style-type: none"> • SC-73, • SD-10, • SD-12
<p>C Disposal of trash, pet waste, green waste, and Household Hazardous Waste (e.g., paints, cleaning products)</p>	<ul style="list-style-type: none"> • Properly dispose of pet waste • Collect green waste and never blow such waste into the street, gutter or MS4 • Never dispose of waste in a street, gutter or MS4 • Take Household Hazardous Waste to a designated collection center 	<p><u>Brochures (see Attachment E):</u></p> <ul style="list-style-type: none"> • What's the Scoop • Urban Pyrethroid • Pools, Spas and Fountains • Food Service Industry • Industrial Commercial Facilities <p><u>HHW and ABOP Collection Events</u> http://www.rivcowm.org/openscms/hhw/index.html</p> <p><u>Videos:</u></p> <ul style="list-style-type: none"> • Animal Care • Household Hazardous Waste • Managing your Lawn and Garden • Outdoor Activities <p>http://rcflood.org/stormwater/ (Videos found in the Media Library)</p>

**5. RESIDENTIAL
(SECTION F.3.c of ORDER NO. R9-2010-0016) CONT.**

2) Provide a summary of the number and type of applicable runoff and stormwater enforcement actions taken within residential areas and activities as required under Section F.3.c.(3) of the 2010 SMR MS4 Permit [K.3.c.(4)2]:

Number by Area or Activity			Enforcement and Compliance Responses
A	B	C	
3			Education and information
8			Verbal Warning
33			Written Warning
36			Inspections Performed But No Violation
0			Administrative Compliance Order
0			Misdemeanor
0			Infraction
60			Citation
0			Referral to SDRWQCB
140			Total

3) Describe the City of Murrieta efforts to manage runoff and Stormwater Pollution in common interest areas and mobile home parks as required under Section F.3.c.(4) of the 2010 SMR MS4 Permit [K.3.c.(4)2]:

Other comments: Code Enforcement responds to all possible Stormwater Pollution calls as a Priority One. They have an officer respond to ensure the violation is handled before it becomes a bigger problem. See Attachment E for Household Hazardous Waste Collection Facility (2 events), Community Clean up, ABOP and Paint Care Center, and Smart Summer Savings tips from EVMWD,

5. RESIDENTIAL
(SECTION F.3.c. of ORDER NO. R9-2010-0016)

ATTACHMENT E

For Information:

For information on "closed-loop" suppliers and recycling/disposal vendors, contact:
County of Riverside
Health Services Agency
Department of Environmental Health
at (909) 358-5055.

SPILL RESPONSE AGENCY:
HAZ-MAT: (909) 358-5055
AFTER 5:00 P.M.: (909) 358-5245 OR 911
RECYCLING AND HAZARDOUS WASTE DISPOSAL: (909) 358-5055
TO REPORT ILLEGAL DUMPING OR A CLOGGED STORM DRAIN: 1-800-506-2555

To order additional brochures or to obtain information on other pollution prevention activities, call: (909) 955-1111.

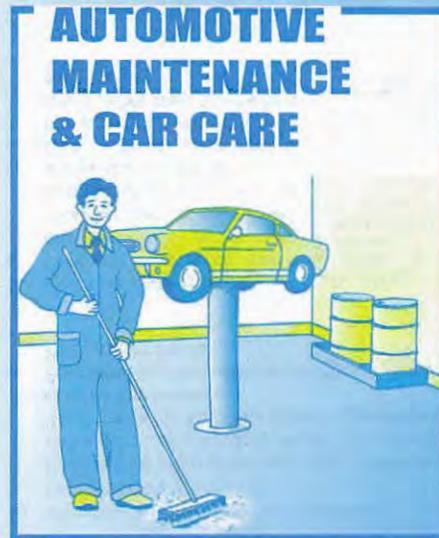
The Cities and County of Riverside
StormWater/CleanWater Protection Program
1-800-506-2555



Riverside County gratefully acknowledges the Santa Clara Valley Nonpoint Source Pollution Control Program and the City of Los Angeles Stormwater Management Division for information provided in this brochure.

StormWater Pollution

What you should know for...



Best Management Practices (BMPS) for:

- Auto Body Shops
- Auto Repair Shops
- Car Dealerships
- Gas Stations
- Fleet Service Operations

StormWater Pollution . . . What You Should Know

Riverside County has two drainage systems - sanitary sewers and storm drains. The storm drain system is designed to help prevent flooding by carrying excess rainwater away from streets. Since the storm drain system does not provide for water treatment, it also serves the *unintended* function of transporting pollutants directly to our waterways.

Unlike sanitary sewers, storm drains are not connected to a treatment plant - they flow directly to our local streams, rivers and lakes.

Rain and water runoff from automotive shops and businesses can carry pollutant material into storm drains. Examples of pollutants include oil and grease from cars, copper and asbestos from worn brake linings, zinc from tires, and toxics from spilled fluids.

Stormwater pollution causes as much as 60% of our water pollution problem. It jeopardizes the quality of our waterways and poses a threat to groundwater resources if pollutants percolate through soil.



The Cities and County of Riverside StormWater/CleanWater Protection Program

Since preventing pollution is much easier, and less costly, than cleaning up "after the fact," the Cities and County of Riverside StormWater/CleanWater Protection Program informs residents and businesses on pollution prevention activities such as the Best Management Practices (BMPs) described in this pamphlet.

The Cities and County of Riverside have adopted ordinances for stormwater management and discharge control. In accordance with state and federal law, these local stormwater ordinances **prohibit** the discharge of wastes into the storm drain system or local surface waters. This includes discharges containing oil, antifreeze, gasoline and other waste materials.

PLEASE NOTE: A common stormwater pollution problem associated with automotive shops and businesses is the hosing down of service bays, parking and other areas. Often, this activity flushes pollutants into the storm drain system. The discharges of pollutants is **strictly prohibited** by local ordinances and state and federal regulations

Keep your shop in tune. Follow these Practices to help prevent stormwater pollution . . .

1. Changing Automotive Fluids

- Designate an area away from storm or sanitary drains to change automotive fluids.
- Collect, separate, and recycle motor oil, antifreeze, transmission fluid, and gear oil.
- Drain brake fluid and other non-recyclables into a proper container and handle as a hazardous waste.
- Use a radiator flushing fluid that can be recycled, and add it to the waste antifreeze



2. Working on Transmissions, Engines, and Miscellaneous Repairs

- Keep a drip pan or a wide low-rimmed container under vehicles to catch fluids whenever you unclip hoses, unscrew filters, or change parts, to contain unexpected leaks.

3. Preventing Leaks and Spills

- Avoid spills by emptying and wiping drip pans when you move them to another vehicle or when they are half-full.
- Routinely check equipment to wipe up spills and repair leaks.
- Place large pans or an inflatable portable berm under wrecked cars.
- Drain all fluids from wrecked vehicles or "parts" cars you keep on site.

4. Cleaning up Spills

- Clean up small spills immediately using shop rags.



- Keep dry absorbent materials and/or a wet/dry vacuum cleaner on hand for mid-sized spills.
- Contain large spills immediately; block or shut off floor and parking lot drains and notify the authorities.
- Train employees to be familiar with hazardous spill response plans and emergency procedures.

5. Identify and Control Wastewater Discharges

- Ensure that shop sinks and floor drains are connected to the sanitary sewer. Check with the local sewer authority regarding permitting or other requirements.
- Post signs to prevent disposal of liquid wastes into sanitary drains.

6. Fueling Vehicles

- Clean-up minor spills, with a dry absorbent, rather than allowing them to evaporate. Dispose of the absorbent as a dry hazardous waste.
- Use a damp cloth and a damp mop to keep the area clean rather than a hose or a wet mop.



7. Removing and Storing Batteries

- Store batteries indoors, on an open rack.
- Return used batteries to a battery vendor.
- Contain cracked batteries to prevent hazardous spills.

8. Cleaning Parts

- Clean parts in a self-contained unit, solvent sink, or parts washer to prevent solvents and grease from entering a sewer or storm drain connection.



9. Metal Grinding and Finishing

- Catch metal filings in an enclosed unit or on a tarpaulin.
- Sweep filing area to prevent washing metals into floor drains.

10. Storing and Disposing of Waste

- Store recyclable and non-recyclable waste separately.
- Place liquid waste (hazardous or otherwise) within a bermed or secondary containment area.
- Cover outdoor storage areas to prevent contact with rain water.
- Collect used parts for delivery to a scrap metal dealer.

11. Selecting and Controlling Inventory

- Purchase recyclable or non-toxic materials.
- Select "closed-loop" suppliers and purchase supplies in bulk.



12. Outdoor Parking and Auto Maintenance

- Treat outdoor areas as an extension of your service bays or avoid using altogether.
- Sweep-up trash and dirt from outdoor parking and maintenance areas. Do not hose down areas. All non-storm water discharges are prohibited.
- Drain work areas to a sanitary drain rather than a storm drain. Contact the local sewer authority to determine if pretreatment is required.

13. Washing Vehicles, Cleaning Engines, and Other Steam Cleaning

- For occasional car exterior cleaning, minimize the water used and divert runoff to landscaped areas, keeping it out of the storm drain.
- Wash vehicles with biodegradable, phosphate-free detergent.
- Make sure no wastewater from engine or parts cleaning or steam cleaning is discharged where it may flow to a street, gutter, or storm drain.

14. Cleaning Work Areas

- Sweep or vacuum the shop floor frequently.
- Damp mop work areas - do not hose down work areas into the street or gutter.
- Do not pour mop water into the parking lot, street, gutter or storm drain.
- Use non-toxic cleaning products whenever possible.

Please remember:



Helpful telephone numbers and links:

RIVERSIDE COUNTY WATER AGENCIES

City of Banning	(951) 922-3130
City of Beaumont/Cherry Valley	(951) 845-9581
City of Blythe	(760) 922-6161
City of Coachella	(760) 398-3502
City of Corona	(951) 736-2263
City of Hemet	(951) 765-3710
City of Norco	(951) 270 5607
City of Riverside Public Works	(951) 351-6140
City of San Jacinto	(951) 654-4041
Coachella Valley Water District	(760) 398-2651
Desert Water Agency (Palm Springs)	(760) 323-4971
Eastern Municipal Water District	(951) 928-3777
Elsinore Valley Municipal Water District	(951) 674 3146
Elsinore Water District	(951) 674-2168
Farm Mutual Water Company	(951) 244-4198
Idyllwild Water District	(951) 659-2143
Indio Water Authority	(760) 391-4129
Jurupa Community Services District	(951) 685-7434
Lee Lake Water	(951) 658-3241
Mission Springs Water	(760) 329-6448
Rancho California Water District	(951) 296-6900
Ripley, CSA #62	(760) 922-4951
Riverside Co. Service Area #51	(760) 227-3203
Rubidoux Community Services District	(951) 684-7580
Valley Sanitary District	(760) 347-2356
Western Municipal Water District	(951) 789-5000
Yucaipa Valley Water District	(909) 797-5117

REPORT ILLEGAL STORM DRAIN DISPOSAL

1-800-506-2555 or e-mail us at

fcnpdes@rcflood.org

- Riverside County Flood Control and Water Conservation District
www.rcflood.org

Online resources include:

- California Storm Water Quality Association
www.casqa.org
- State Water Resources Control Board
www.waterboards.ca.gov
- Power Washers of North America
www.thepwna.org

Stormwater Pollution

What you should know for...

Outdoor Cleaning Activities and Professional Mobile Service Providers

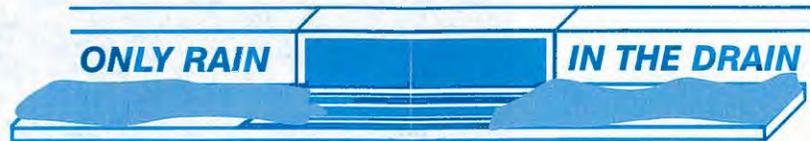


Storm drain pollution prevention information for:

- Car Washing / Mobile Detailers
- Window and Carpet Cleaners
- Power Washers
- Waterproofers / Street Sweepers
- Equipment cleaners or degreasers and all mobile service providers

Do you know where street flows actually go?

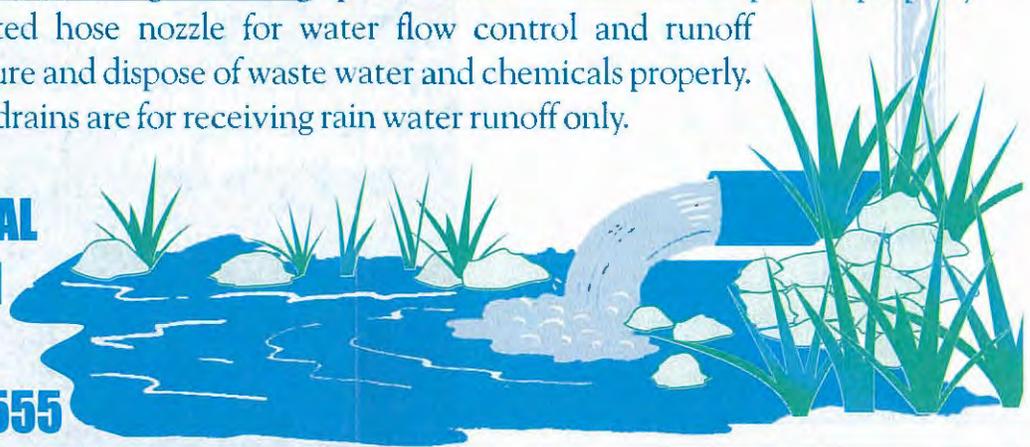
Storm drains are NOT connected to sanitary sewer systems and treatment plants!



The primary purpose of storm drains is to carry rain water away from developed areas to prevent flooding. Pollutants discharged to storm drains are transported directly into rivers, lakes and streams. Soaps, degreasers, automotive fluids, litter and a host of materials are washed off buildings, sidewalks, plazas and parking areas. Vehicles and equipment must be properly managed to prevent the pollution of local waterways.

Unintentional spills by mobile service operators can flow into storm drains and pollute our waterways. **Avoid mishaps.** Always have a **Spill Response Kit** on hand to clean up unintentional spills. Only emergency **Mechanical** repairs should be done in City streets, using drip pans for spills. **Plumbing** should be done on private property. Always store chemicals in a leak-proof container and keep covered when not in use. **Window/Power Washing** waste water shouldn't be released into the streets, but should be disposed of in a sanitary sewer, landscaped area or in the soil. Soiled **Carpet Cleaning** wash water should be filtered before being discharged into the sanitary sewer. Dispose of all filter debris properly. **Car Washing/Detailing** operators should wash cars on private property and use a regulated hose nozzle for water flow control and runoff prevention. Capture and dispose of waste water and chemicals properly. Remember, storm drains are for receiving rain water runoff only.

**REPORT ILLEGAL
STORM DRAIN
DISPOSAL
1-800-506-2555**



Help Protect O

Use these guidelines for Outdoor Clean

Did you know that disposing of pollutants into the street, gutter, storm drain or body of water is **PROHIBITED** by law and can result in stiff penalties?

Best Management Practices

Waste wash water from Mechanics, Plumbers, Window/Power Washers, Carpet Cleaners, Car Washing and Mobile Detailing activities may contain significant quantities of motor oil, grease, chemicals, dirt, detergents, brake pad dust, litter and other materials.

Best Management Practices, or BMPs as they are known, are guides to prevent pollutants from entering the storm drains. *Each of us* can do our part to keep storm water clean by using the suggested BMPs below:

Simple solutions for both light and heavy duty jobs:

Do...consider dry cleaning methods first such as a mop, broom, rag or wire brush. Always keep a spill response kit on site.

Do...prepare the work area before power cleaning by using sand bags, rubber mats, vacuum booms, containment pads or temporary berms to keep wash water away from the gutters and storm drains.

Do...use vacuums or other machines to remove and collect loose debris or litter before applying water.

Do...obtain the property owner's permission to dispose of *small amounts* of power washing waste water on to landscaped, gravel or unpaved surfaces.

Do...check your local sanitary sewer agency's policies on wash water disposal regulations before disposing wash water to the sewer. (See list on reverse side)

Do...be aware that if discharging to landscape areas, soapy wash water may damage landscaping. Residual wash water may remain on paved surfaces to evaporate. Sweep up solid residuals and dispose of properly. Vacuum booms are another option for capturing and collecting wash water.

Do...check to see if local ordinances prevent certain activities.

Do not let...wash or waste water from sidewalk, plaza or building cleaning go into a street or storm drain.



Report illegal storm drain disposal,
Call Toll Free
1-800-506-2555

ur Waterways!

ing Activities and Wash Water Disposal

Using Cleaning Agents

Try using biodegradable/phosphate-free products. They are easier on the environment, but don't confuse them for being toxic free. Soapy water entering the storm drain system can impact the delicate aquatic environment.



When cleaning surfaces with a *high-pressure washer* or *steam cleaner*, additional precautions should be taken to prevent the discharge of pollutants into the storm drain system. These two methods of surface cleaning can loosen additional material that can contaminate local waterways.

Think Water Conservation

Minimize water use by using high pressure, low volume nozzles. Be sure to check all hoses for leaks. Water is a precious resource, don't let it flow freely and be sure to shut it off in between uses.

Screening Wash Water

Conduct thorough dry cleanup before washing exterior surfaces, such as buildings and decks *with loose paint*, sidewalks or plaza areas. Keep debris from entering the storm drain after cleaning by first passing the wash water through a "20 mesh" or finer screen to catch the solid materials, then dispose of the mesh in a refuse container. Do not let the remaining wash water enter a street, gutter or storm drain.

Drain Inlet Protection & Collection of Wash Water

- Prior to any washing, block all storm drains with an impervious barrier such as sandbags or berms, or seal the storm drain with plugs or other appropriate materials.
- Create a containment area with berms and traps or take advantage of a low spot to keep wash water contained.
- Wash vehicles and equipment on grassy or gravel areas so that the wash water can seep into the ground.
- Pump or vacuum up all wash water in the contained area.

Concrete/Coring/Saw Cutting and Drilling Projects

Protect any down-gradient inlet by using dry activity techniques whenever possible. If water is used, minimize the amount of water used during the coring/drilling or saw cutting process. Place a barrier of sandbags and/or absorbent berms to protect the storm drain inlet or watercourse. Use a shovel or wet vacuum to remove the residue from the pavement. Do not wash residue or particulate matter into a storm drain inlet or watercourse.

Tips for Landscape & Gardening

This brochure will help you to get the most of your lawn and gardening efforts and keep our waterways clean. Clean waterways provide recreation, establish thriving fish habitats, secure safe sanctuaries for wildlife, and add beauty to our communities. NEVER allow gardening products or waste water to enter the street, gutter or storm drain.

General Landscaping Tips

- Protect stockpiles and materials from wind and rain by storing them under tarps or secured plastic sheeting.
- Prevent erosion of slopes by planting fast-growing, dense ground covering plants. These will shield and bind the soil.
- Plant native vegetation to reduce the amount of water, fertilizers and pesticides applied to the landscape.
- Never apply pesticides or fertilizers when rain is predicted within the next 48 hours.



Garden & Lawn Maintenance

- Do not overwater. Use irrigation practices such as drip irrigation, soaker hoses or micro-spray systems. Periodically inspect and fix leaks and misdirected sprinklers.

- Do not rake or blow leaves, clippings or pruning waste into the street, gutter or storm drain. Instead, dispose of green waste by composting, hauling it to a permitted landfill, or recycling it through your city's program.



- Consider recycling your green waste and adding "nature's own fertilizer" to your lawn or garden.
- Read labels and use only as directed. Do not over-apply pesticides or fertilizers. Apply to spots as needed, rather than blanketing an entire area.
- Store pesticides, fertilizers and other chemicals in a dry covered area to prevent exposure that may result in the deterioration of containers and packaging.
- Rinse empty pesticide containers and re-use rinse water as you would use the product. Do not dump rinse water down storm drains or sewers. Dispose of empty containers in the trash.
- When available, use non-toxic alternatives to traditional pesticides, and use pesticides specifically designed to control the pest you are targeting.

- Try natural long-term common sense solutions first. Integrated Pest Management (IPM) can provide landscaping guidance and solutions, such as:

- ◆ **Physical Controls** - Try hand picking, barriers, traps or caulking holes to control weeds and pests.
- ◆ **Biological Controls** - Use predatory insects to control harmful pests.
- ◆ **Chemical Controls** - Check out www.ipm.ucdavis.edu before using chemicals. Remember, all chemicals should be used cautiously and in moderation.

- If fertilizer is spilled, sweep up the spill before irrigating. If the spill is liquid, apply an absorbent material such as cat litter, and then sweep it up and dispose of it in the trash.
- Take unwanted pesticides to a Household Waste Collection Center to be recycled.
- *Dumping toxics into the street, gutter or storm drain is illegal!*

www.bewaterwise.com Great water conservation tips and drought tolerant garden designs.

www.ourwaterourworld.com Learn how to safely manage home and garden pests.

Additional information can also be found on the back of this brochure.



Landscaping and garden maintenance activities can be major contributors to water pollution. Soils, yard wastes, over-watering and garden chemicals become part of the urban runoff mix that winds its way through streets, gutters and storm drains before entering lakes, rivers, streams, etc. Urban runoff pollution contaminates water and harms aquatic life!

In Riverside County, report illegal discharges into the storm drain, call 1-800-506-2555
"Only Rain Down the Storm Drain"

Important Links:

Riverside County Household Hazardous Waste Collection Information
1-800-304-2226 or www.rivcowm.org

Riverside County Backyard Composting Program
1-800-366-SAVE

Integrated Pest Management (IPM) Solutions
www.ipm.ucdavis.edu

California Master Gardener Programs
www.mastergardeners.org
www.camastergardeners.ucdavis.edu

California Native Plant Society
www.cnps.org

The Riverside County "Only Rain Down the Storm Drain" Pollution Prevention Program gratefully acknowledges Orange County's Storm Water Program for their contribution to this brochure.

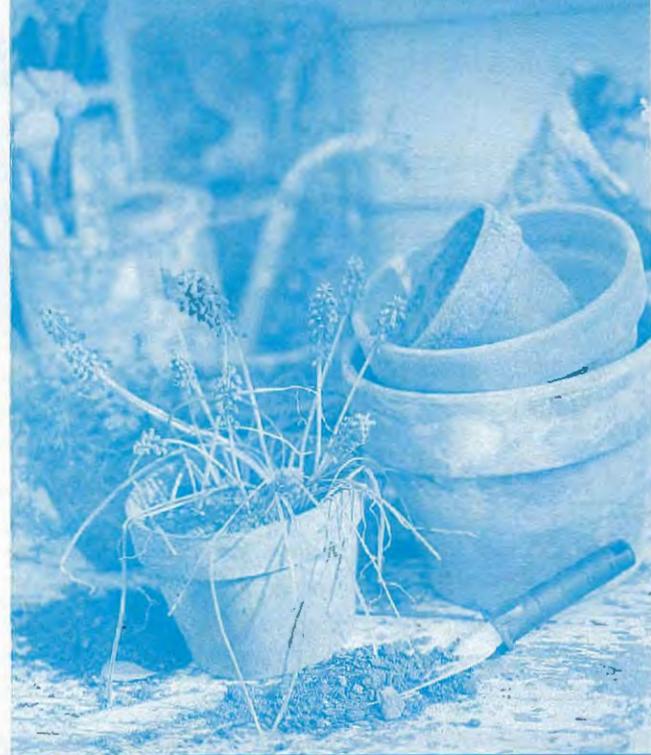


...Only Rain Down ...the Storm Drain

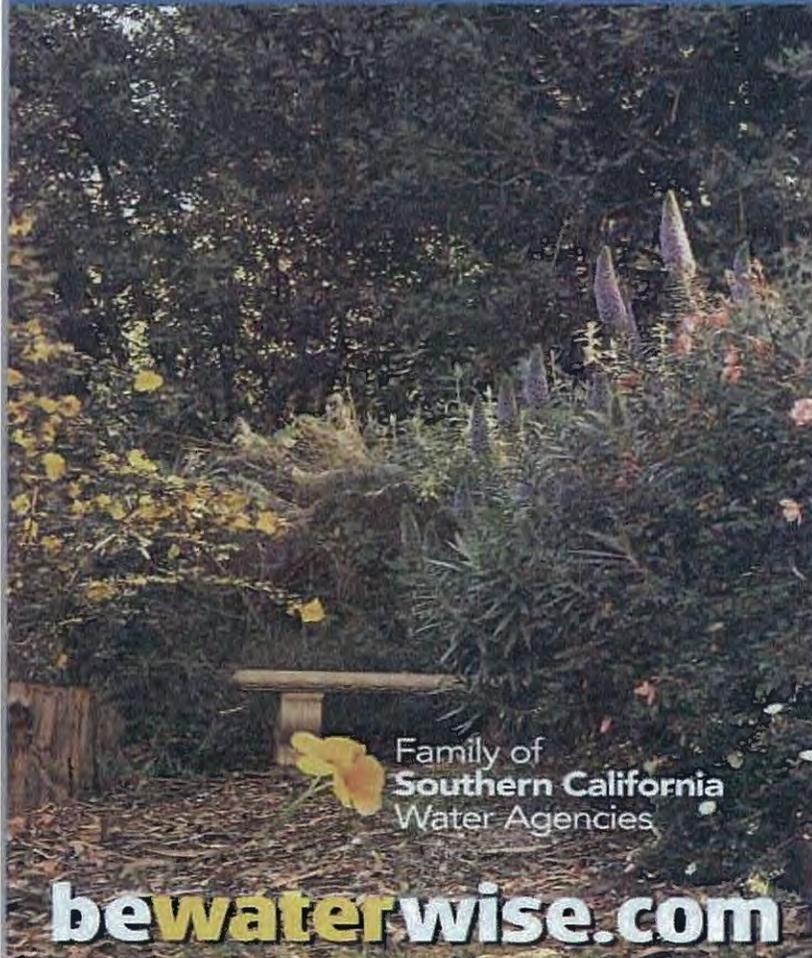
*What you should know for...
Landscape and Gardening*

Best Management tips for:

- Professionals
- Novices
- Landscapers
- Gardeners
- Cultivators



10 Ways to **Save** Water Outdoors



Family of
Southern California
Water Agencies

bewaterwise.com

TIP #1 The average homeowner uses twice the amount of water needed to keep plants healthy. Use the watering calculator and index at bewaterwise.com to know exactly how much water your plants need.

TIP #2 Check your sprinkler system for leaks, overspray and broken sprinkler heads. Update with drip or other more water-efficient sprinklers where appropriate.

TIP #3 This fall, plant a portion of your garden with beautiful native and California Friendly plants. Browse the plant database at bewaterwise.com to find just the right look for your outdoor spaces.

TIP #4 Reduce the amount of water-thirsty grass. Keep only what you need and replace the rest with less-thirsty plants or permeable paving.

TIP #5 For the grass you keep, set your lawnmower blade higher.

TIP #6 Adjust your sprinkler timer downward in September. Plants need less water when days are shorter.

TIP #7 Use a broom instead of the hose for cleaning sidewalks and patios.

TIP #8 Mulch! A layer of bark, gravel, compost, sawdust or low-growing groundcover evens out soil temperature and allows better water retention.

TIP #9 Check the list of invasive plants that hurt our environment at caleppc.org and remove any from your garden.

TIP #10 Share these tips with your gardener, neighbors and friends. Water conservation should be a part of every Southern Californian's lifestyle, but that doesn't mean we can't have lush and beautiful outdoor spaces.

bewaterwise.com

**RIVERSIDE COUNTY
ANIMAL SERVICES LOCATIONS:**



www.rcdas.org

BLYTHE

16450 West Hobson Way
Blythe, CA 92225
760-921-7857

COACHELLA VALLEY ANIMAL CAMPUS

72-050 Petland Place
Thousand Palms, CA 92276
760-343-3644

RIVERSIDE COUNTY ANIMAL SERVICES

6851 Van Buren Blvd.
Riverside, CA 92509
951-688-4340

OTHER ANIMAL SHELTERS:

ANIMAL CARE CENTER OF INDIO

45-355 Van Buren
Indio, CA 92201
760-391-4138

ANIMAL FRIENDS OF THE VALLEYS

29001 Bastron Avenue
Lake Elsinore, CA 92530
951-674-0618

(Serving incorporated Temecula, Wildomar,
Lake Elsinore, Murrieta and Canyon Lake)

MARY S. ROBERTS PET ADOPTION CENTER

6185 Industrial Avenue
Riverside, CA 92504
951-688-4340

RAMONA HUMANE SOCIETY

690 Humane Way
San Jacinto 92586
951-654-8002

(Serving Sun City, Menifee, Romoland and Homeland)

Looking to adopt a pet?

This website is linked to many animal shelters.

www.petfinder.com

To report illegal storm drain disposal, call
1-800-506-2555

Or visit our website at www.rcflood.org

E-mail fcnpsdes@rcflood.org

What's the Scoop?



**TIPS FOR A
HEALTHY PET
AND A
HEALTHIER
ENVIRONMENT**

CREATE A HEALTHY ENVIRONMENT in and around your home by following these simple pet practices. Your pet, family and neighbors will appreciate their clean comfortable surroundings.

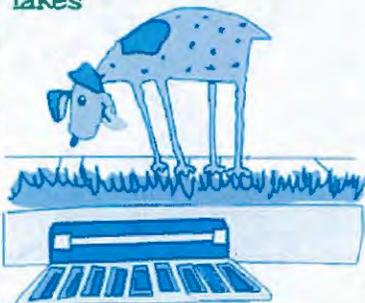
HOUSEHOLD PETS

We all love our pets, but pet waste is a subject everyone likes to avoid. Pet waste left on trails, sidewalks, streets and grassy areas can be washed into the nearest waterway when it rains. Even if you can't see streams or lakes

near you, rainfall (stormwater) or sprinkler runoff can wash pet waste into the storm drains that carry runoff to the nearest

streams or lakes untreated. The risk of stormwater contamination increases if pet waste is allowed to accumulate in outdoor animal pen areas or left on sidewalks, streets or driveways.

Pet waste contains nutrients and bacteria. Nutrients can promote the growth of algae in streams and lakes. Algae can cause fish kills and other environmental damage if it is fed too many nutrients. Pet Waste also contains e. Coli and fecal bacteria, which



can cause disease in other animals and humans that come in contact with it when swimming or splashing in streams and lakes. Dogs also carry salmonella and giardia, which can make people sick.

Pet waste that is not picked up and properly disposed can also increase vector problems. Flies and other insects are not only attracted to and feed on pet waste, but can also be infected with diseases and spread those diseases to humans and other animals.

WHAT CAN YOU DO?

- **SCOOP** up pet waste and flush it down the toilet or place in trash can.
- **NEVER DUMP** pet waste into a storm drain or catch basin.
- **USE** the complimentary bags or mutt mitts offered in dispensers at local parks.
- **CARRY EXTRA BAGS** when walking your dog and make them available to other pet owners who are without.
- **TEACH CHILDREN** how to properly clean up after a pet.
- **TELL FRIENDS AND NEIGHBORS** about the ill effects of animal waste on the environment. Encourage them to clean up after pets.

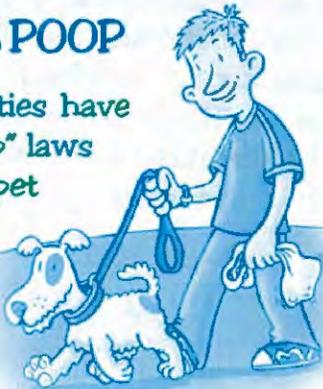
Call 1-800-506-2555 TOLL FREE to report illegal dumping to the storm drain, find the dates and times of local Household Hazardous Waste Collection Events, obtain additional information on stormwater problems and solutions, request presentations about stormwater pollution in your child's classroom, or learn about free grasscycling and composting workshops.

SCOOP THE POOP

Many communities have "Scoop the Poop" laws that govern pet waste cleanup.

Some of these laws specifically require

anyone who walks an animal off their property to carry a bag, shovel, or scooper. Any waste left by the animal must be cleaned up immediately. **CALL YOUR LOCAL CODE ENFORCEMENT OFFICE** to find out more about pet waste regulations.



OTHER WAYS TO PROTECT YOUR PETS AND THE ENVIRONMENT

Pets are only one of many sources that contribute to water pollution. However, these other sources of water pollution cannot only harm the environment but also harm your pet. Improperly used or stored lawn fertilizers, pesticides, soaps, grease and vehicle fluids cannot only be washed into local streams and lakes, these chemicals can also harm your pet if they ingest or touch these chemicals. Call 1-800-506-2555 for information regarding how to properly dispose of household hazardous wastes

such as these. You can also keep your pets and our environment healthy by properly maintaining your vehicles, and limiting use of pesticides and fertilizers to only the amount that is absolutely needed.

Make sure to not only protect your pets, but to also protect your neighbors pets. **NEVER HOSE VEHICLE FLUIDS** into the street or gutter. **USE ABSORBENT MATERIALS** such as cat litter to clean-up spills. **SWEEP UP** used absorbent materials and place it in the trash.

HORSES AND LIVESTOCK

Fortunate enough to own a horse or livestock? You, too, can play a part in protecting and cleaning up our water resources. The following are a few simple Best Management Practices (BMPs) specifically designed for horses and livestock.

- **STORE** your manure properly. Do not store unprotected piles of manure in places where stormwater runoff may wash the manure away. Place a cover or tarp over the pile to keep rainwater out.





- **BUILD** a manure storage facility to protect your pets, property and the environment. These structures usually consist of a concrete pad to protect groundwater and a short wall on one or two sides to make manure handling easier.
- **READ** the Only Rain Down the Storm Drain brochure titled "Tips for Horse Care" for additional guidance and recommendations. This brochure should be available from your local city office or for download at www.rcflood.org/stormwater.
- **KEEP** animals out of streams - Horses and livestock can defecate in streams causing stormwater pollution. Livestock and horses in streams can also disturb sensitive habitat and vegetation, causing additional environmental damage. Keep livestock and horses away from streams and use designated stream crossings whenever possible.

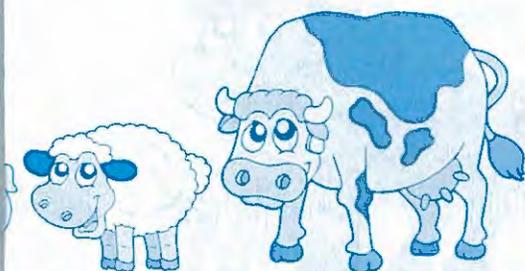
- **MATERIAL STORAGE SAFETY TIPS**
Many of the chemicals found in barns require careful handling and proper disposal. When using these chemicals, be certain to follow these common sense guidelines:

- ◆ Buy only what you need.
- ◆ Treat spills of hoof oils like a fuel spill. Use kitty litter to soak up the oil and dispose of it in a tightly sealed plastic bag.
- ◆ Store pesticides in a locked, dry, well-ventilated area.
- ◆ Protect stored fertilizer and pesticides from rain and surface water.

RESOURCE CONSERVATION DISTRICTS CAN HELP

Call 1-800-506-2555 for assistance with locating a local conservation district that can help you properly manage your manure, re-establish healthy pastures, control weeds, or identify appropriate grasses for your soils.

Thank you for doing your part to protect your watershed, the environment, your pets and your community!



Learn More

There is a wealth of consumer resources for homeowners to learn more about smart pesticide use as well as alternatives to pesticides. While a larger list is available at www.applyresponsibly.org, here are some of the more authoritative resources:

California Department of Pesticide Regulation: www.cdpr.ca.gov

California Stormwater Quality Association: www.casqa.org

California Structural Pest Control Board: www.dca.ca.gov/pestboard

Centers for Disease Control: www.cdc.gov/ncidod/dvbid/westnile/index.htm

National Pest Management Association – Quality Pro: www.npmaqualitypro.com

National Pest Management Association – QualityPro Green: www.qualityprogreen.com

University of California Integrated Pest Management Program: www.ipm.ucdavis.edu

US Environmental Protection Agency: www.epa.gov/pesticides

What is IPM: www.whatisipm.org

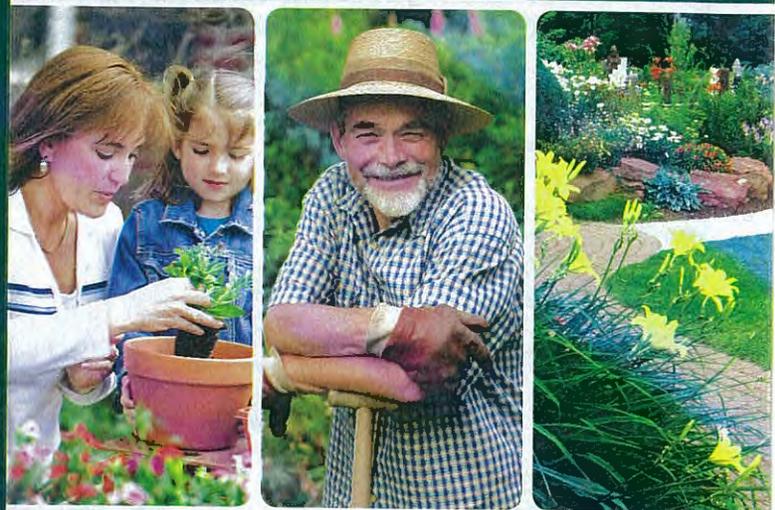


applyresponsibly.org

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Smart tips for homeowners about the proper use, storage and disposal of outdoor consumer pesticide products, including **pyrethroid** insecticides. If you use these products, please apply them responsibly to protect our water and environment.

URBAN PYRETHROID
STEWARDSHIP

About Pyrethroids

Pyrethroids (pronounced "pī-rē-throids") are ingredients found in many commonly used consumer home and garden insecticides for treating a wide variety of pests, including problems with

in urban areas about environmentally responsible ways to handle, store and dispose of a wide range of home and garden pesticide products, including insecticides containing pyrethroids in order to help protect California's waters.



mosquitoes, caterpillars, ants, spiders, garden worms, wasps, cockroaches, aphids and other insect infestations.

Working with Homeowners

The Urban Pyrethroid Stewardship is a pesticide industry alliance that is promoting "Apply Responsibly"—a campaign to inform Californians

If you use insecticides in your garden or outside your house, please remember to apply them responsibly to protect our water and environment. "Apply Responsibly" also provides resources for consumers who may want to consider limiting pesticide use through integrated pest management and prevention efforts.



Protecting Our Water

Water is an essential natural resource that every Californian should help safeguard.

Many urban creeks in California receive water from residential areas. Chemicals used around the home, including home and garden pesticides, can move from where they are applied and run off through the storm drain system into these creeks.

By following a few simple rules for handling and disposal of chemicals, you can play an important role in helping prevent this type of runoff and in preserving California's water quality and environment.



Tips for the Lawn & Garden

Gardeners who choose to use pesticides to control insects in their yards should adhere to the following guidelines:

- Always read the entire label first and follow the directions
- Reduce pest infestations by eliminating what often attracts them or creates ideal breeding conditions – standing water, pet droppings, tree prunings or fallen fruit
- Remove thatch buildup in lawns to ensure water soaks deeply into the lawn and prevents runoff
- Mix and use only the amount you need
- Avoid applying a spray or dust on a windy day
- Rinse all pesticide application equipment only over the treated area
- Always use dry sawdust or kitty litter to soak up a liquid spill and then sweep it into a plastic garbage bag for disposal; don't use water to rinse or clean up a liquid spill
- Sweep or blow granules that fall on porches, driveways and sidewalks back onto the treated area
- When watering treated areas, don't overwater and don't allow water runoff into gutters, in-lawn drains or storm drains



Tips for Around the House

Homeowners who apply pesticides around the outside of their homes should follow a number of important guidelines:

- Always read the entire label first and follow the directions
- Limit the likelihood of pest infestations near the house by keeping wood piles, groundcover and shrubs away from the outside surfaces of your house
- Avoid applying a spray or dust on a windy day
- Only apply pesticides to the target problem areas
- If a product is labeled for "spot" and "cracks and crevices" you should only treat those areas
- Don't treat entire driveways, patios, sidewalks or similar outdoor surfaces
- Always use dry sawdust or kitty litter to soak up a liquid spill and then sweep it into a plastic garbage bag for disposal; don't use water to rinse or clean up a liquid spill
- If you hire a professional pest control company, be sure the operator is licensed and certified according to state law and local ordinances. Have a conversation with them to understand what, if any, pesticides they will apply around your home. Tell them about any do-it-yourself products that you may be using as sometimes they can interfere with products the professional may use. Finally, be sure to ask about steps that you can take to help keep pests from entering your home such as sealing cracks and crevices or fixing leaks



Storage & Disposal

- Dispose of unused pesticides according to the instructions on the product label
- Never pour any leftover pesticides down the sink, toilet, sewer or storm drain
- Don't stockpile pesticides. Buy only enough for one season
- If you only need to treat a small area, consider ready-to-use pesticides rather than products you have to mix yourself
- Always store pesticides in their original containers
- Ensure containers are securely closed
- Store in a safe place away from children
- Do not reuse an empty pesticide container
- Remember that an empty pesticide container contains residue and should also be handled carefully and according to the label

Saltwater Pools

Helpful telephone numbers and links

Guidelines for Maintaining your... Swimming Pool, Jacuzzi and Garden Fountain

- Salt water pools, although different from regular pools, are in fact, sanitized using chlorine. A salt-chlorine generator separates the chlorine and sodium molecules in salt and reintroduces them into the pool water. The same harmful effects of chlorine still apply.
- A salt water pool is still maintained with chemicals such as Muriatic acid, soda ash and sodium carbonate to help keep a proper pH, total Alkalinity, Calcium Hardness and Stabilizer levels.



- It may be illegal to discharge salt water to land. The salt may kill plants and the build-up of salt in soil puts animals, plants, and groundwater at risk. Consult your city representatives to determine local requirements regarding salt water drainage.

NEVER put unused chemicals into the trash, onto the ground or down a storm drain.

IMPORTANT: The discharge of pollutants into the street, gutter, storm drain system or waterways - without a permit or waiver - is strictly prohibited by local ordinances, state and federal law. Violations may result in monetary fines and enforcement actions.

RIVERSIDE COUNTY WATER AGENCIES:

City of Banning.....	(951) 922-3130
City of Beaumont/Cherry Valley.....	(951) 845-9581
City of Blythe	(760) 922-6161
City of Coachella.....	(760) 398-3502
City of Corona.....	(951) 736-2263
City of Hemet.....	(951) 765-3710
City of Norco.....	(951) 270 5607
City of Riverside Public Works.....	(951) 351-6140
City of San Jacinto	(951) 654-4041
Coachella Valley Water District	(760) 398-2651
Desert Water Agency (Palm Springs).....	(760) 323-4971
Eastern Municipal Water District.....	(951) 928-3777
Elsinore Valley Municipal Water District.....	(951) 674 3146
Elsinore Water District.....	(951) 674-2168
Farm Mutual Water Company.....	(951) 244-4198
Idyllwild Water District.....	(951) 659-2143
Indio Water Authority.....	(760) 391-4129
Jurupa Community Services District	(951) 685-7434
Lee Lake Water	(951) 658-3241
Mission Springs Water.....	(760) 329-6448
Rancho California Water District.....	(951) 296-6900
Ripley, CSA #62.....	(760) 922-4951
Riverside Co. Service Area #51.....	(760) 227-3203
Rubidoux Community Services District	(951) 684-7580
Valley Sanitary District.....	(760) 347-2356
Western Municipal Water District.....	(951) 789-5000
Yucaipa Valley Water District.....	(909) 797-5117

CALL 1-800-506-2555 to:

- Report clogged storm drains or illegal storm drain disposal from residential, industrial, construction and commercial sites into public streets, storm drains and/or water bodies.
- Find out about our various storm drain pollution prevention materials.
- Locate the dates and times of Household Hazardous Waste (HHW) Collection Events.
- Request adult, neighborhood, or classroom presentations.
- Locate other County environmental services.
- Receive grasscycling information and composting workshop information.

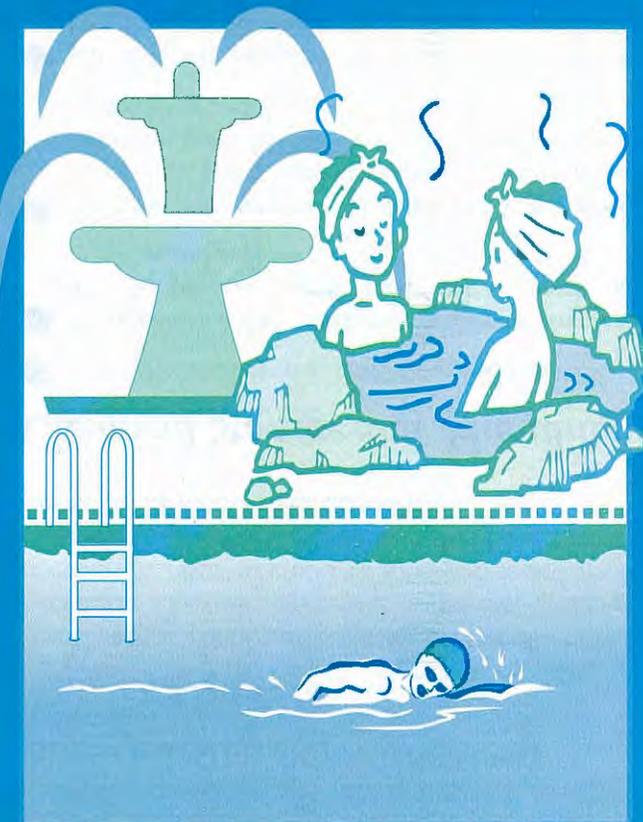
Or visit our
Riverside County Flood Control and Water Conservation District
website at: www.rcflood.org

Other links to additional storm drain pollution information:

- County of Riverside Environmental Health: www.rivcoeh.org
- State Water Resources Control Board: www.waterboards.ca.gov
- California Stormwater Quality Association: www.casqa.org
- United States Environmental Protection Agency (EPA):
www.epa.gov/compliance/assistance (compliance assistance information)

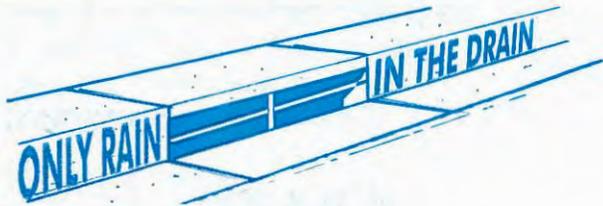


Riverside County's, "Only Rain Down the Storm Drain" Pollution Prevention Program gratefully acknowledges the Bay Area Stormwater Management Agencies Association and the Cleaning Equipment Trade Association for information provided in this brochure.



Swimming Pool, Jacuzzi and Garden Fountain

Where does the water go?



Pool, Jacuzzi and Fountain wastewater and rain water runoff (also called stormwater) that reach streets can enter the storm drain and be conveyed directly into local streams, rivers and lakes.



A storm drain's purpose is to prevent flooding by carrying rain water away from developed areas. Storm drains are not connected to sanitary sewers systems and treatment plants!

Wastewater, from residential swimming pools, Jacuzzis, fishponds and fountains, often contains chemicals used for sanitizing or cleansing purposes. Toxic chemicals (such as chlorine or copper-based algaecides) may pollute the environment when discharged into a storm drain system.

The Cities and County of Riverside have adopted ordinances that prohibit the discharge of wastewater to the street and storm drain system.



Discharge Regulations

Regulatory requirements for discharging wastewater from your pool may differ from city to city. Chlorinated water should not be discharged into the street, storm drain or surface waters. Check with your water agency to see if disposal to the sanitary sewer line is allowed for pool discharges (see reverse for Riverside County sewer agencies).

If allowed, a hose can be run from the pool Jacuzzi, or fountain to the private sewer cleanout, washing machine drain or a sink or bathtub.



If you cannot discharge to the sewer, you may drain your fountain, pool, or jacuzzi to your landscaping by following these guidelines:

First, reduce or eliminate solids (e.g. debris, leaves or dirt) in the pool water and allow the chemicals in the pool water to dissipate before draining the pool (this could take up to 7 days, verify using a home pool test kit).

Second, slowly drain to a landscaped area away from buildings or structures. Control the flow to prevent soil erosion; it may take more than one day to empty. Do not allow sediment to enter the street, gutter or storm drain.

Maintenance & Chemicals

Cleaning Filters

Filter rinse water and backwash must be discharged to the sanitary sewer, on-site septic tank and drain field system (if properly designed and adequately sized), or a seepage pit. Alternatively, rinse water or backwash may be diverted to landscaped or dirt areas. Filter media and other non-hazardous solids should be picked up and disposed of in the trash.



Algaecides

Avoid using copper-based algaecides unless absolutely necessary. Control algae with chlorine, organic polymers or other alternatives to copper-based pool chemicals. Copper is a heavy metal that can be toxic to aquatic life when you drain your pool.

Chemical Storage and Handling

- Use only the amount indicated on product labels
- Store chlorine and other chemicals in a covered area to prevent runoff. Keep out of reach of children and pets.
- Chlorine kits, available at retail swimming pool equipment and supply stores, should be used to monitor the chlorine and pH levels before draining your pool.
- Chlorine and other pool chemicals should never be allowed to flow into the gutter or storm drain system.

Take unwanted chemicals to a Household Hazardous Waste (HHW) Collection Event. There's no cost for taking HHW items to collection events – it's FREE! Call 1-800-506-2555 for a schedule of HHW events in your community.



Information:

Information on "closed-loop" suppliers recycling/disposal vendors, contact:
County of Riverside
Health Services Agency
Department of Environmental Health
at (909) 358-5055.

RESPONSE AGENCY:

24 HOURS: (909) 358-5055
8:00 P.M.: (909) 358-5245 OR 911
HAZARDOUS WASTE DISPOSAL: (909) 358-5055
FOR MORE INFORMATION: 1-800-366-SAVE
FOR REPORTING ILLEGAL DUMPING OR A CLOGGED DRAIN: 1-800-506-2555

For additional brochures or to obtain information on other pollution prevention activities, call: (909) 955-1111.

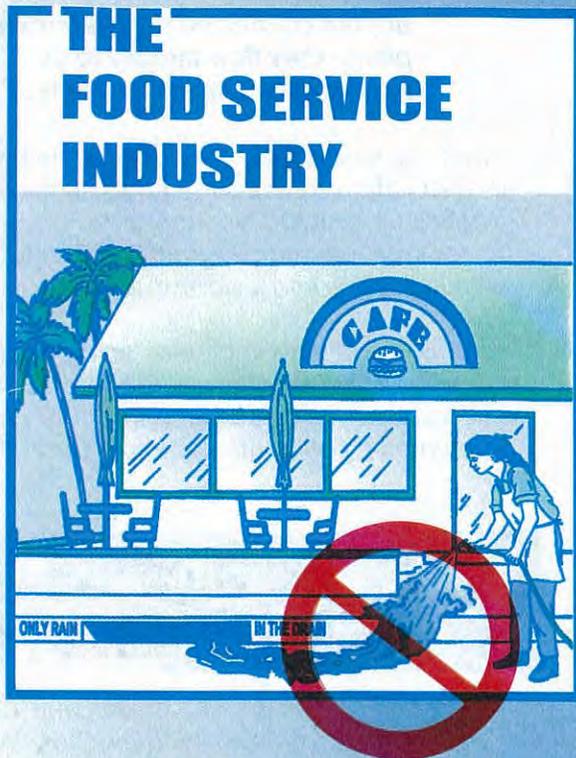
The Cities and County of Riverside
Water/Clean Water Protection Program
1-800-506-2555



County gratefully acknowledges the Santa Clara Point Source Pollution Control Program, Alameda County Clean Water Program and the San Bernardino Stormwater Program for information provided in this

StormWater Pollution

What you should know for...



Best Management Practices (BMPs) for:

- Restaurants
- Grocery Stores
- Delicatessens
- Bakeries

StormWater Pollution . . . What You Should Know

Riverside County has two drainage systems - sanitary sewers and storm drains. The storm drain system is designed to help prevent flooding by carrying excess rainwater away from streets. Since the storm drain system does not provide for water treatment, it also serves the *unintended* function of transporting pollutants directly to our waterways.

Unlike sanitary sewers, storm drains are not connected to a treatment plant - they flow directly to our local streams, rivers and lakes.

Waste or wastewater generated by the food service industry often contains materials such as food wastes, oil, grease, detergents, and degreasers. These materials can degrade local waters when allowed to flow into a storm drain system.

Stormwater pollution causes as much as 60% of our water pollution problem. It jeopardizes the quality of our waterways and poses a threat to groundwater resources if pollutants percolate through soil.



The Cities and County of Riverside StormWater/CleanWater Protection Program

Preventing pollution is much easier, and less costly, than cleaning up "after the fact," the Cities and County of Riverside StormWater/CleanWater Protection Program informs residents and businesses on pollution prevention activities such as the Best Management Practices (BMPs) outlined in this pamphlet.

Cities and County of Riverside have adopted ordinances for stormwater management and discharge control. In accordance with state and federal law, these local stormwater ordinances **prohibit** the discharge of wastes into the storm drain system or local surface waters. This includes discharges from the food service industry containing food wastes, oil, grease, detergents, and degreasers.

PLEASE NOTE: A common stormwater pollution problem associated with the food service industry is the discharge of washwater into alleys and gutters, and the hosing down of outdoor areas. Often, these activities flush pollutants into the storm drain system. The discharges of pollutants is **strictly prohibited** by local ordinances and state and federal regulations.

A Menu of Activities . . . t

min' It Right . . .

op and wash water into the mop sink
n floor drains . . . not into gutters,

lots or
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greasy
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ted to



wer system with an appropriate
r separator. Also, avoid washing
mats, garbage containers, and other
i areas where wastewater is likely to
o a storm drain.

Proper Storage and Disposal . . .

General cleaners, floor cleaners, solvents, and detergents often contain toxic substances. Read labels carefully and store and dispose of these products properly.

REMEMBER: Don't throw toxic waste into the trash or into a storm drain. To report toxic spill call 911. For information on hazardous waste pick-up call (909) 358-5055.



ch Out For Spills . . .

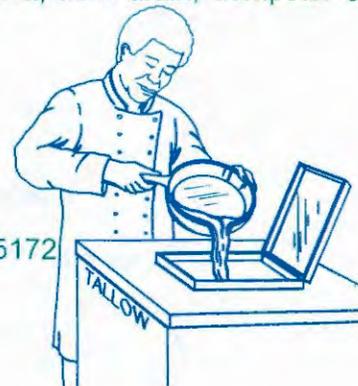
methods for spill cleanup. Don't hose down outside spills. Use rags or absorbents such as cat litter and then dispose of in the garbage, or handle as hazardous waste as appropriate. If necessary, mop the area with a minimum amount of water.



Grease and Oil . . .

Handle and dispose of grease properly. Save used cooking grease and oil for recycling in tallow bins or sealed containers. Never pour grease into a sink, floor drain, dumpster or storm drain.

Watch out for, and report to management, overflowing grease interceptors. Call (909) 358-5172 for disposal information.



one contributes a little to the problem of stormwater pollution. Now it's time for

Keep Our Water Clean

'Bout That Dumpster . . .

Keep dumpster and loading dock areas clean. Sweep litter by sweeping - don't hose down. Replace dumpster lids. Keep out.



Outdoor/Sidewalk Areas . . .

Sweep up food particles, cigarette butts, and trash from outdoor dining areas before rinsing or steam cleaning. Don't use toxic bleaches or detergents when you pressure wash outdoor dining areas, entrances or surrounding sidewalk areas.



Water-Friendly Products . . .

Whenever possible, purchase water-based products. Look for products that are non-toxic, petroleum based, ammonia-free, phosphate-free, and biodegradable.



You may be already implementing many of the BMPs prescribed in this brochure. However, if you discover any potential problem areas, please consider using one or more of the recommended BMPS.

Also, please note that the Riverside County Environmental Health Department will monitor potential sources of stormwater pollution activities during regularly scheduled inspections of food service facilities. If Health Department staff observe activities which may be contributing to stormwater pollution, suggestions will be provided and/or use of prescribed BMPS listed in this brochure will be offered.

Please remember:



Let's all become part of the solution!



Riverside County Stormwater Members

- | | |
|---|--|
| Flood Control District
(Lead Agency)
(951) 955-1250 | City of Lake Elsinore
(951) 674-3124 |
| County of Riverside
(951) 955-1000 | City of La Quinta
(760) 777-7000 |
| City of Banning
(951) 922-3130 | City of Menifee
(951) 672-6777 |
| City of Beaumont
(951) 769-8520 | City of Moreno Valley
(951) 413-3120 |
| City of Calimesa
(909) 795-9801 | City of Murrieta
(951) 304-2489 |
| City of Canyon Lake
(951) 244-2955 | City of Norco
(951) 735-3900 |
| Cathedral City
(760) 770-0349 | City of Palm Desert
(760) 346-0611 |
| City of Coachella
(760) 398-3502 | City of Palm Springs
(760) 323-8253 |
| City of Corona
(951) 736-2248 | City of Perris
(951) 943-6100 |
| City of Desert Hot Springs
(760) 329-6411 | City of Rancho Mirage
(760) 324-4511 |
| City of Hemet
(951) 765-2300 | City of Riverside
(951) 926-5311 |
| City of Indian Wells
(760) 346-2489 | City of Temecula
(951) 694-6444 |
| City of San Jacinto
(951) 487-7330 | City of Wildomar
(951) 677-7751 |
| City of Indio
(760) 391-4000 | Coachella Valley Water
District
(760) 398-2651 |

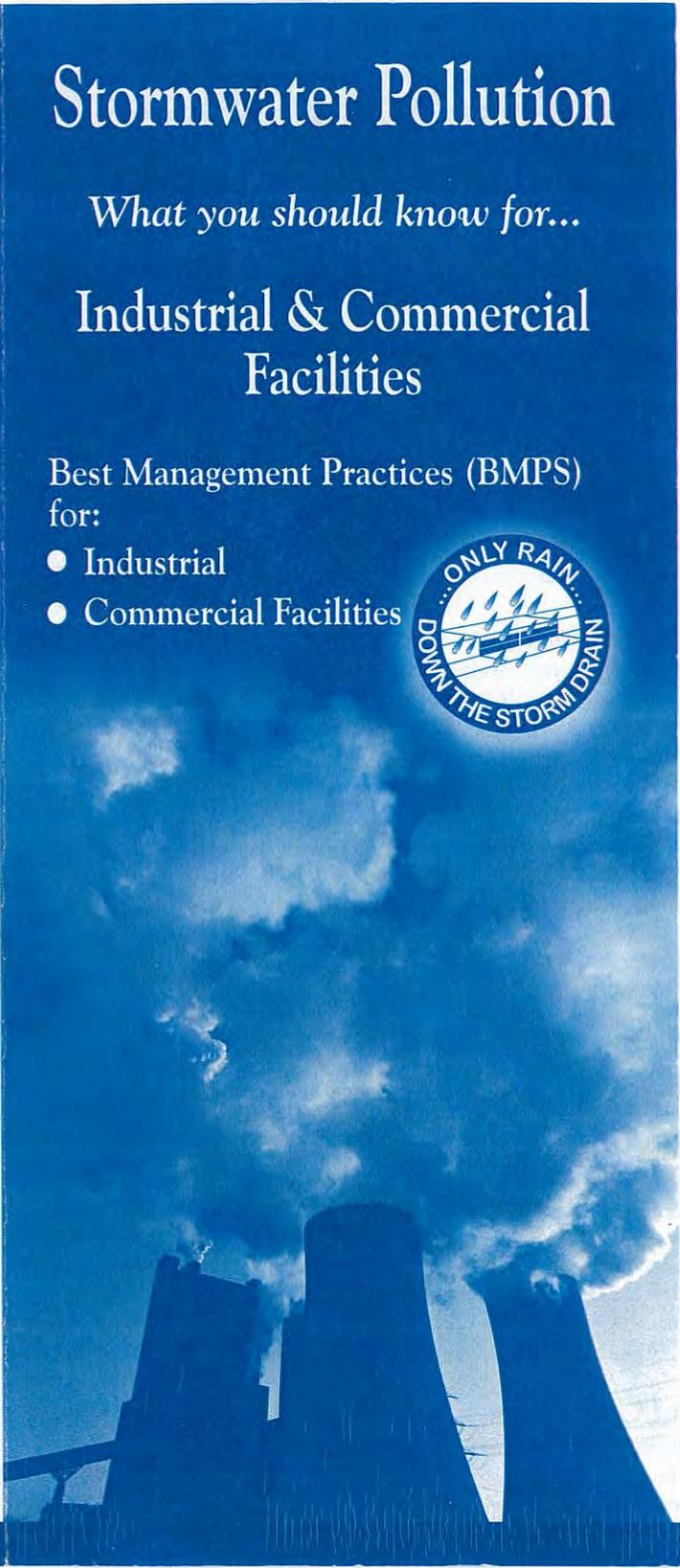
Stormwater Pollution

What you should know for...

Industrial & Commercial Facilities

Best Management Practices (BMPS) for:

- Industrial
- Commercial Facilities



The Riverside County "Only Rain Down the Storm Drain" Pollution Prevention Program gratefully acknowledges San Bernardino County's Stormwater Program for their contribution to this brochure.

YOU can prevent Stormwater Pollution following these practices...

Industrial and Commercial Facilities

To reduce the amount of pollutants reaching our storm drain system, which leads to many of our water bodies, the Riverside County Stormwater Program has developed Best Management Practices (BMPs) for Industrial and Commercial Facilities. City and County ordinances require that businesses comply with these BMPs, where applicable, to protect local water quality. Local cities and the County are required to verify implementation of these BMPs by performing regular facility inspections.

Prohibited Discharges

- Discontinue all non-stormwater discharges to the storm drain system. It is *prohibited* to discharge any chemicals, paints, lumber, debris, wastes or wastewater into the gutter, street or storm drain.

Outdoor Storage

- Install covers and secondary containment areas for all hazardous materials and wastes stored outdoors in accordance with County and/or City standards.
- Keep all temporary waste containers covered, at all times, except when actively using.
- Sweep outdoor areas instead of using a hose or pressure washer.
- Move all process operations including vehicle and equipment maintenance inside of the building or into a covered and contained area.
- Wash equipment and vehicles in a contained and covered wash bay which is closed-loop or connected to a clarifier sized to local standards, then discharged to a sanitary sewer or take them to a commercial car wash.



Spills and Clean Ups

- Keep the work site clean and orderly. Remove debris in a timely fashion. Sweep up the area.
- Clean up spills immediately when they occur, using dry clean up methods such as absorbent materials or sweep followed by proper disposal of materials.

- Always have a spill kit available near chemical loading dock doors and vehicle maintenance and fueling areas.
- Follow your Business Emergency Plan, as filed with the County Fire Department.
- Report all prohibited discharges and non-implementation of BMPs to your local Stormwater Coordinator as listed on the back of this pamphlet.
- Report hazardous materials spills to 951-358-5055 or 1-800-304-2226 or call your your local Fire Department Hazmat Team at 911.



Plastic Manufacturing Facilities

AB 258 requires plastic product manufacturers to use best management practices, such as safe storage and clean-up procedures to prevent plastic pellets (nurdles) from entering the waterway. The plastic pellets are released into the environment during transporting, packaging and processing and migrate to waterways through the storm drain system. AB 258 will help protect fish and wildlife from the hazards of plastic pollution.

Training

As prescribed by your local and County Stormwater Ordinance(s), train employees in spill procedures and prohibit non-stormwater discharges to the storm drain system. Applicable Best Management Practice examples can be found at www.cabmphandbooks.com.

Permitting

Stormwater discharges associated with specific categories for commercial and industrial facilities are regulated by the State Water Resources Control Board (SWRCB) through an Industrial Stormwater General Permit. A copy of the General Permit and application forms are available at: www.waterboards.ca.gov, then select stormwater.

To report illegal dumping or for more information on stormwater pollution prevention call: 1-800-506-2555 or e-mail us at: fcnpdes@rcflood.org.

5. RESIDENTIAL
(SECTION F.3.c. of ORDER NO. R9-2010-0016)

ATTACHMENT E

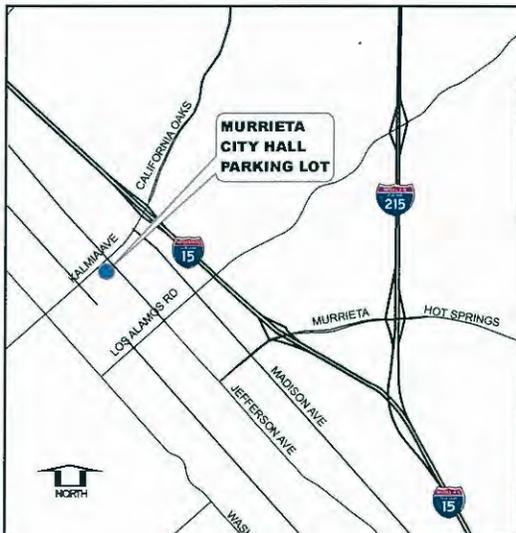
**5. RESIDENTIAL
(SECTION F.3.c. of ORDER NO. R9-2010-0016)**

ATTACHMENT E

Household Hazardous Waste Collection Facility

NOTE: Event may be cancelled due to rain, snow or excessive winds or other hazardous conditions as determined by County.

**Location: Murrieta City Hall parking lot
1 Town Square, 24601 Jefferson Avenue
Murrieta, CA 92562**



Directions:

From I-15 north, exit at California Oaks Road and turn west on Kalmia Street to Jefferson Avenue; turn south. Proceed to City Hall parking lot on right.

From I-15 south, exit at California Oaks Road and turn west on Kalmia Street to Jefferson Avenue; turn south. Proceed to City Hall parking lot on right.

- ✓ Household Hazardous Waste Only-No Business Waste
- ✓ Each load shall not exceed 15 gallons of liquid waste or a total of 125 pounds—Multiple trips are allowed
- ✓ Containers shall be marked and secured to prevent leaks
- ✓ Containers holding gasoline will not be returned

Acceptable Items

- Used Oil and Filters
- Latex/Oil-Base Paint
- Fluorescent Tubes/Bulbs
- Pesticides
- Cleaners
- BBQ & Camp Size Propane
- Aerosol Cans
- Antifreeze
- Auto Batteries
- Garden Chemicals
- Pool Chlorine
- TVs and Computers
- Electronic Waste
- Sharps

Unacceptable Items

- Government, Business Non-Profit, or Out-of-County Hazardous Waste
- Explosives or Ammunition
- Medical/Infectious Waste (except Sharps)
- Asbestos
- Radioactive or Remediation Material
- Containers larger than five gallons or weighing more than 50 pounds
- Appliances, Tires, or Trash

Date and Time:

**Saturday
March 23, 2013
September 7, 2013**

9:00 am to 2:00 pm

Hazardous-waste collection set Saturday

CONTRIBUTED CONTENT

The Riverside County Waste Management Department has scheduled a free household hazardous waste collection event on Saturday, Sept. 7, in Murrieta at the Murrieta City Hall parking lot, starting at 9 a.m. The collection is open to all Riverside County residents.

The Riverside County Waste Management Department provides an opportunity for Riverside County residents to keep hazardous waste out of the county landfills and ensure that it is properly managed. The event will accept residentially generated household haz-

ardous wastes from Riverside County residents only. Business or nonprofit waste will not be accepted. Typical wastes include used motor oil, paint, antifreeze, household and automotive batteries, pesticides, cleaning products, sharps (needles/syringes or lancets), fluorescent lamps, and electronic wastes such as televisions, computers, VCRs and telephones. Limit the amount of waste transported to no more than 15 gallons or 125 pounds maximum per vehicle. Individual containers should be no larger than five gallons or weigh no more than 50 pounds.

The collection will not accept explosives, radioactives, ammunition, asbestos, compressed gas cylinders over 40 pounds, and infectious or medical waste other than sharps.

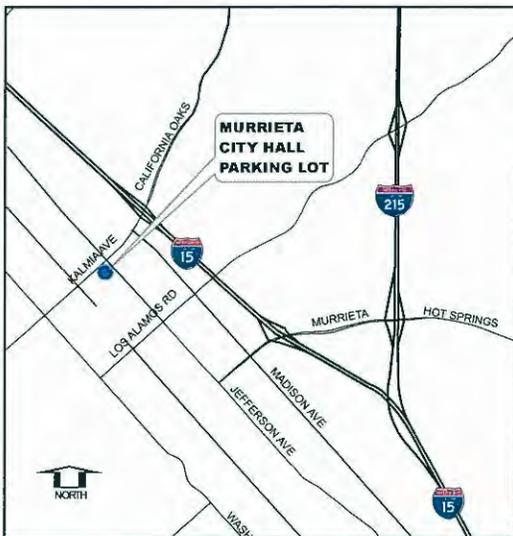
The event is subject to cancellation during inclement weather or for other hazardous conditions as determined by the county. The event will run from 9 a.m. to 2 p.m. at the Murrieta City Hall parking lot, 1 Town Square, 24601 Jefferson Ave. For more information, contact the Riverside County Waste Management Department at 951-486-3200 or 800-304-2226, or www.rivcowm.org.

Advertisement For 9-7-13 HHW EVENT

Household Hazardous Waste Collection Facility

NOTE: Event may be cancelled due to rain, snow or excessive winds or other hazardous conditions as determined by County.

**Location: Murrieta City Hall parking lot
1 Town Square, 24601 Jefferson Avenue
Murrieta, CA 92562**



Directions:

From I-15 north, exit at California Oaks Road and turn west on Kalmia Street to Jefferson Avenue; turn south. Proceed to City Hall parking lot on right.

From I-15 south, exit at California Oaks Road and turn west on Kalmia Street to Jefferson Avenue; turn south. Proceed to City Hall parking lot on right.

- ✓ Household Hazardous Waste Only-No Business Waste
- ✓ Each load shall not exceed 15 gallons of liquid waste or a total of 125 pounds—Multiple trips are allowed
- ✓ Containers shall be marked and secured to prevent leaks
- ✓ Containers holding gasoline will not be returned

Acceptable Items

- Used Oil and Filters
- Latex/Oil-Base Paint
- Fluorescent Tubes/Bulbs
- Pesticides
- Cleaners
- BBQ & Camp Size Propane
- Aerosol Cans
- Antifreeze
- Auto Batteries
- Garden Chemicals
- Pool Chlorine
- TVs and Computers
- Electronic Waste
- Sharps

Unacceptable Items

- Government, Business Non-Profit, or Out-of-County Hazardous Waste
- Explosives or Ammunition
- Medical/Infectious Waste (except Sharps)
- Asbestos
- Radioactive or Remediation Material
- Containers larger than five gallons or weighing more than 50 pounds
- Appliances, Tires, or Trash

Date and Time:

**Saturday
March 22, 2014**

9:00 am to 2:00 pm

City of Murrieta Community Clean-Up



Murrieta residents and City of Murrieta employees only, get rid of your household trash, scrap metal, green waste, wood and bulky waste the responsible way - and for FREE!

**Saturday, December 7 from 8:00a.m.-1:00p.m. at
Corner of 2nd and Kalmia**

Acceptable items:

- Household trash (bagged or boxed, not loose)
- Green Waste (separated from trash)
- Scrap Metal (any motor needs to be free of gasoline or oil)
- Wood (no treated wood, such as railroad ties)
- Bulky Waste (unusable furniture, mattresses, large items, etc.)
- Tires with no rims
- Refrigerators need to be free of Freon

Event featuring FREE Document shredding on-site. Limited to Murrieta residents only (not businesses). Up to three banker boxes or bags.

***Note: No hazardous materials accepted**

These items are accepted at the ABOP Center County Yard located at 25315 Jefferson Ave. 9:00 am-2:00pm. For more HazMat information go to www.rivcowm.org



For more information contact:
City of Murrieta Code Enforcement Division
(951)461-6330 or (951) 461-6332



It's time for a

City of Murrieta COMMUNITY CLEAN-UP!

When: Saturday December 7th, 2013

From: 8:00 – 1:00 pm

Trash collection site located at 2nd & KALMIA

Take advantage of this FREE city sponsored event.

🗑️ Bring us your excess trash, junk, and debris!

🗑️ Haul out those old appliances, electronic devices, and old furniture taking up your storage & garage space!

🗑️ FREE Document shredding on-site. Limited to Murrieta residents only (not businesses). Up to three banker boxes or bags.

🗑️ We will even accept your old tires; but no rims please!

🗑️ Junk that jalopy! We will take your inoperative vehicles for free!

Call prior to schedule pick up.

🗑️ Now is the time to clean out household *hazardous materials i.e. antifreeze, batteries, oil & filters, & left over Latex paint! (only 5 gallons per visit)

***Note: No hazardous materials accepted at 2nd & Kalmia location**

These items are accepted at the ABOP Center County Yard located at 25315 Jefferson Ave.

9:00 am-2:00pm. For more HazMat information go to www.rivcowm.org



City of Murrieta Code Enforcement Division

(951)461-6330

For more clean up information call



Household Hazardous Waste Collection Program 2014



The following locations provide **FREE** HHW recycling and disposal services for County of Riverside residents.

Regional Permanent HHW Sites



Riverside Area

Agua Mansa Permanent HHW Collection Facility
1780 Agua Mansa Road, Jurupa Valley, 92509

NON-Holiday Saturdays only
9:00 AM to 2:00 PM
Closed: 02/15/14, 05/24/14, 07/05/14, 08/30/14,
11/08/14, 11/29/14, and 12/27/14

Lake Elsinore Area

Lake Elsinore Permanent HHW Collection Facility
512 North Langstaff Street, Lake Elsinore, 92530

Open the following Saturdays Only:
9:00 AM to 2:00 PM
02/01/14, 03/01/14, 04/05/14, 05/03/14, 06/07/14,
07/12/14, 08/02/14, 09/06/14, 10/04/14, 11/01/14
Closed: **January & December**

West Coachella Valley Area

Palm Springs Permanent HHW Collection Facility
1100 Vella Road, Palm Springs, 92264

NON-Holiday Saturdays only:
October - May 9:00 AM to 2:00 PM
NON-Holiday Saturdays only:
June - September 7:00 AM to Noon
Closed: 02/15/14, 05/24/14, 07/05/14, 08/30/14,
11/08/14, 11/29/14, and 12/27/14

Temporary HHW Event Sites and Dates (9:00 AM to 2:00 PM)



Anza Area

Anza Transfer Station
40329 Terwilliger Road, Anza, 92539

04/12/14
08/23/14

La Quinta Area

South City Hall parking lot
78495 Calle Tampico, La Quinta, 92253

03/29/14
12/20/14

Beaumont Area

Lamb Canyon Landfill
16411 Lamb Canyon Road, Beaumont, 92223

02/08/14
04/19/14
09/20/14
12/06/14

Mead Valley Area

Former Mead Valley Fire Station
19450 Clark Street, Perris, 92570

02/22/14
10/25/14

Blythe Area

County Administration Center
260 North Broadway Street, Blythe, 92225

02/22/14
11/22/14

Mecca Area

Sheriff's Substation
91-260 Avenue 66, Mecca, 92254

04/12/14
10/11/14

Coachella Area

Bagdouma Park Swim Center parking lot
525 Bagdad Avenue, Coachella, 92236

03/15/14
10/25/14

Moreno Valley Area

City Maintenance Facility
15670 Perris Blvd., Moreno Valley, 92551

05/09/14
05/10/14
09/26/14
09/27/14

Corona Area

City Corporate Yard
735 Corporation Yard Way
Corona, 92880

04/26/14
04/27/14
10/18/14
10/19/14

Murrieta Area

Murrieta City Hall parking lot
1 Town Square
24601 Jefferson Avenue, Murrieta, 92562

03/22/14

Desert Center Area

Desert Center Landfill
17-991 Kaiser Road, Desert Center, 92239

02/06/14

Pinyon Pines Area

Pinyon Flats Transfer Station
So. Pinyon Flats Road, Pinyon Pines, 92561

05/31/14
10/11/14

Desert Hot Springs Area

CDF Fire Station #37
65958 Pierson Blvd., DHS, 92240

01/11/14

Rancho Mirage Area

City Hall parking lot,
69-825 Hwy 111, Rancho Mirage, 92270

01/18/14

Idyllwild Area

County Road Yard
25780 Johnson Road, Idyllwild, 92549

05/17/14
11/15/14

Temecula Area

Former City Hall parking lot
43200 Business Park Drive
Temecula, 92590

01/25/14
09/13/14

Indio Area

Date Festival Fairgrounds
46-350 Arabia Street, Gate 6, Indio, 92201

03/08/14
12/13/14

ABOP and PaintCare Center

Non-contaminated Antifreeze, Batteries, Oil (and Filters), and Paint. As a PaintCare center, oil based paint and other paint products are also accepted.

Murrieta Area

Operated by Riverside County Waste Management Department
County Road Yard
25315 Jefferson Avenue
Murrieta, 92562

NON-Holiday Saturdays only:
9:00 AM to 2:00 PM.
Closed: 02/15/14, 03/22/14, 05/24/14, 07/05/14,
08/30/14, 11/08/14, 11/29/14, and 12/27/14



ABOP Collection Centers

Non-contaminated Antifreeze, Batteries, Oil (and Filters), and Paint (Latex) ONLY. **Accepts up to 5 gallons or 50 lbs. only.** Please call the facility for more information and hours of operation.

North-West Coachella Valley Area

Operated by Burrtec (760) 340-2113
Edom Hill Transfer Station
70-100 Edom Hill Road
Cathedral City, 92235

East Coachella Valley Area

Operated by Burrtec (760) 863-4094
Coachella Valley Transfer Station
87-011A Landfill Road
Coachella, 92236

Sharps Kiosk Locations



Riverside-Moreno Valley Metro Area

Riverside County Waste Management Department
14290 Frederick Street Moreno Valley, 92553
Available 24 hours daily

Beaumont Area

Lamb Canyon Landfill
16411 Lamb Canyon Road, Beaumont, 92223
Open: Monday through Saturday from 6:00am to 4:30 pm.
Check http://www.rivcowm.org/opencms/landfill_info/landfill_hours.html for holiday schedule.

Additional City Provided Services

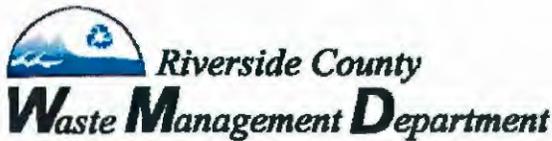
Additional hazardous waste services are provided by the following cities. Proof of residence is required for these services. Call to verify program policies.

Palm Springs
(760) 323-8214

Palm Desert
(760) 346-0611x342

Rancho Mirage
(800) 449-7587

Maximum Chemical Load: 15 Gallons or 125 lbs. (per trip), unless specified otherwise. Facilities are CLOSED during inclement weather or other hazardous conditions. All sites will accommodate multiple trips if storage capacity allows.



Household Hazardous Waste Collection Program 2014

Maximum Chemical Load: 15 Gallons or 125 lbs. (per trip), unless specified otherwise. Facilities are CLOSED during inclement weather or other hazardous conditions. All sites will accommodate multiple trips if storage capacity allows.

- Use up all hazardous products when possible.
- Buy the right amount of product to reduce leftover hazardous waste. Look for alternative products that don't contain hazardous ingredients.
- Offer good, usable products to neighbors, family, or organizations.
- Before transporting waste to the collection event or facility, please use this checklist to make sure you have done the following:
 - Remove all valuables from trunk, as well as, all other items that can be mistaken as hazardous and universal waste discards. Note: The program is not responsible for lost or missing items from your vehicle.
 - Limit total chemical load to less than 15 gallons or 125 pounds for transportation (California State Law maximum transportation limitation).
 - Secure leaky containers and loose loads. If they are leaky, place them in a secondary container or material that will not allow the leak to spread. Place securely in the vehicle for safe transportation.
 - Mark containers to identify contents or keep in original container. The contents of the container must be the same as stated on the label. If not, cover up the label and write the name of its contents. Containers with flammable liquid will NOT be returned (gas cans).
 - Transport waste in a box placed in the trunk of your car or in the bed of your pickup truck and secure to prevent movement and breakage. (Keep items away from passengers)
 - Follow directions once you reach the event site. You will be asked to turn off your motor and stay in your vehicle. The site staff will unload the material from your vehicle.

ACCEPTABLE MATERIALS		
These items are accepted for FREE from County of Riverside residents.		
Aerosols	Fluorescent Tubes/Bulbs	Nail Polish Remover
Ammonia	Furniture Polish	Old TV's & Computers
Automotive fluids	Gas, Diesel Fuel	Paint & Paint related material
Bathroom Cleaners	Glue & Adhesives	Pesticides
Batteries (All types)	Herbicide	Photo Chemicals
Cooking Oil	Hobby Chemicals	Pool/Spa Chemicals
Electronic Devices	Household Cleaners	Rodent Bait/Poison
Fertilizer	Insecticides	Roof Coating
Fiberglass & Epoxy Resins/Caulking	Kerosene/Lamp Oil	Sharps/Needles
Fire Extinguishers	Lighter Fluid	Smoke Detectors
Floor Care Products	Mercury Devices	Wood Preservative
	Motor Oil and Oil Filters	

- UNACCEPTABLE MATERIALS**
- These services are for residential use only. Photo documentation will be made of excessive or suspected non-residential loads. The following waste CANNOT be accepted at ANY Riverside County HHW Collection Location:
- Ammunition and Explosives
 - Appliances, Tires, or Trash
 - Asbestos
 - Business, Non-Profit, Community Groups, or Out-of-County Waste
 - Compressed Gas Cylinders greater than 40 pounds
 - Containers larger than five gallons or weighing more than 50 pounds
 - Medical/Infectious Waste (except sharps)
 - Medication
 - Radioactive or Remediation Materials
- If you have any of these wastes please call (951) 486-3200 for assistance.

PROPER DISPOSAL OF SHARPS & NEEDLES

"Sharps" is a medical term for devices with sharp points or edges that can puncture or cut skin. Examples of sharps include: needles, syringes, lancets, auto injectors, infusion sets, and connection needles/sets.

Home generated sharps must be placed in an approved container and brought to a Sharps Kiosk or Household Hazardous Waste collection facility or event for FREE disposal, or disposed of at an alternative approved location. See reverse side for locations. Residents can use a store bought biohazard container with a secured lid or make their own approved container using the instructions to the right.

- Pharmaceuticals are NOT accepted at these locations
- DO NOT bring loose needles or needles in plastic bags to collection sites.
- DO NOT dispose of sharps in any curbside recycling or waste container.
- Business or Commercial needles and sharps waste are not permitted at these locations.
- Sharps containers should be 1-gallon in size or smaller in order to fit in the kiosk and HHW collection containers.

MAKE YOUR OWN SHARPS CONTAINER

- Use hard sided plastic containers like a bleach or laundry detergent bottle with a secure lid. Do not use food product containers.
- Place a label on both sides of the container that identifies "Biohazard".
- Place your used needles, syringes and lancets into the container.
- When full, secure the lid.
- Tap the container closed.

You can print FREE biohazard labels using this link: <http://www.rivcowm.org/opencms/hhw/pdf/88751-Biohazard-labels.pdf>. Preprinted labels are available at HHW collection facilities and events or by calling (951) 486-3200.



Storm Water Pollution Prevention



ONLY RAIN DOWN THE STORM DRAIN
(800) 506-2555 or www.rcflood.org

Free Paint Collection

PaintCare is a new California program that accepts paint and paint products. Go to www.Paintcare.org to find participating locations and acceptable materials.

Small Business Waste Information

Business waste is not accepted through the Household Hazardous Waste Collection Program. Businesses can get information on disposal at:
(888) 722-4234 or (951) 358-5055
http://www.rivcoeh.org/opencms/rivcoeh/ProgServices/EPO_Division/EPO_Home.html

PROPER DISPOSAL OF MEDICATION

Most medications are not considered hazardous waste and can be disposed of in regular trash. Remove personal information from containers before disposal.

Liquid... Empty liquid medication onto absorbent paper towels or rags and throw IN TRASH.

Pill..... Crush pills, mix with coffee grounds or kitty litter, and dispose of mixture IN TRASH.

Inhaler... Empty container, expel propellant, and toss empty cylinder IN TRASH.

National Prescription Take Back Day

For event information and location near you: http://www.deadiversion.usdoj.gov/drug_disposal/takeback/index.html

Recycle Used Oil and Used Oil Filters

Recycle Used Oil and Filters at one of many State Certified Collection Centers.

You can find a Certified Collection Center near you here: www.calrecycle.ca.gov/UsedOil/Reports/CenterSearch/



Funded by
CalRecycle



Get T.A.N. this summer!



Smart Summer Savings from



Elsinore Valley Municipal Water District

TIMERS

Water With the Weather and receive up to \$150 in rebates!

Smart timers measure the local weather and then estimate how much water your plants need, saving you time and money. Lowes, Home Depot and various irrigation supply stores sell these timers for around \$150, so with the EVMWD rebate your timer is practically free! Beginning in July, apply for your rebate at www.socalwatersmart.com.

Learn to use the new timer- Free!

Call Conservation Specialist Rob Whipple at 951-674-3146 x8247 to schedule hands-on training on how to use your new smart timer. One of our experts will help you program your timer for best results.

ADVICE

Just need help with your irrigation? Our experts can take a look at your system and recommend improvements to make it more efficient.

Call Conservation Specialist Rob Whipple at 951-674-3146 x8247.

NOZZLES

Improve your Efficiency!

Replace old, inefficient sprinklers with high-efficiency nozzles. These water saving nozzles are **20-30 percent** more efficient than older nozzles. Apply online and receive up to 25 free sprinkler nozzles at www.freesprinklernozzles.com

EVMWD also offers adjustable MP Rotator sprinkler nozzles which are also very efficient. These nozzles are great for slopes and for reducing runoff. EVMWD offers MP Rotator sprinkler nozzles for \$1 each charged to your water bill. Call Conservation Specialist Rob Whipple at 951-674-3146 x8247.

For more information, visit www.evmwd.com/conservation

Aug. 2013



Conserve a little, save a lot!

Come to the
Home and Garden Show
and receive a FREE*
water-saving showerhead!
Friday, August 23 at 6:00 PM
at the Storm Stadium

Visit our new
Demonstration
Gardens



*The New
Temescal Garden
Showcase*

at the Storm Stadium

*Free showerheads for the first 1,000 people. www.evmwd.com/conservation

**6. RETROFITTING EXISTING DEVELOPMENT
(SECTION F.3.d. of ORDER NO. R9-2010-0016)**

- 1) **Provide an updated inventory and prioritization of existing developments identified as candidates for retrofitting as required under Section F.3.d.(2) of the 2010 SMR MS4 Permit [K.3.d.(4)1]:** there is one privately owned site located on the corner of Washington Avenue and Nutmeg that has signs of hydromodification. Vertical / steep channel banks which the City will condition future development to address.

- 2) **Describe the City of Murrieta efforts to retrofit existing developments during the reporting period as required under Section F.3.d.(2) of the 2010 SMR MS4 Permit [K.3.d.(4)2]:** the city's capital improvement projects retrofit existing municipal improvements. For instance, an existing 2 lane road has constructed in the past when BMP's were not required. The city project will widen the road and incorporate water quality BMP's that treat the existing improvement area. So, retrofit is handled when a city capital improvement project goes in. This was the case for Guava Street CIP project west of Jefferson Avenue.

- 3) **Describe City of Murrieta efforts taken to encourage private landowners to retrofit existing development as required under Section F.3.d.(4) of the 2010 SMR MS4 Permit [K.3.d.(4)3]:** new private development projects must prepare a WQMP and install water quality BMP's to treat the existing frontage improvements that were constructed prior to MS4 requirements. Retrofit is also handled by new development projects.

- 4) **Provide a list of all retrofit projects that have been implemented including site location, a description of the retrofit project pollutants expected to be treated, and the tributary acreage of runoff that will be treated as required under Section F.3.d.(5) of the 2010 SMR MS4 Permit [K.3.d.(4)4]:** Guava Street Improvements, CIP No. 8059, widen existing 2-lane road to 4-lanes and install water quality trenches behind curb.

- 5) **Describe any proposed retrofit or regional mitigation projects and timelines for future implementation [K.3.d.(4)5]:** the city will be meeting with Riverside County Flood Control and WRCOG to discuss regional BMP's to treat Jefferson Corridor. Through a SCAG grant, WRCOG has been able to assemble a team to examine the potential for alternative compliance with the stormwater management required under the San Diego Regional MS4 permit.

**6. RETROFITTING EXISTING DEVELOPMENT
(SECTION F.3.d. of ORDER NO. R9-2010-0016)**

- 6) Describe any proposed changes to the City of Murrieta overall retrofitting program [K.3.d.(4)6]: currently there are not any proposed changes to the retrofit program.

**7. ILLICIT DISCHARGE DETECTION AND ELIMINATION
(SECTION F.4 of ORDER NO. R9-2010-0016)**

- 1) **Describe any changes to the legal authority to implement Illicit Discharge Detection and Elimination (IDDE) activities as required under Section F.4.a.(1) of the 2010 SMR MS4 Permit [K.3.d.(4)1]:** the city attorney’s office sent a letter to Mr. Dave Gibson dated June 29, 2012 stating the City of Murrieta has adequate legal authority to implement and enforce each of the current requirements set forth in 40 CFR 122.26(d)(2)(i)(A-F). There are no proposed changes as of the writing of this report.

- 2) **Describe any changes to the established IDDE investigation procedures as specified under Section F.4.e. of the 2010 SMR MS4 permit [K.3.d.(4)2]:** use the adopted reporting procedure provided by Riverside County Flood Control.

- 3) **Describe any changes to public reporting mechanisms, including phone numbers and web pages as required under Section F.4.c of the 2010 SMR MS4 Permit [K.3.d.(4)3]** update the links or attachments to include the latest version of the WQMP and HMP. Add video of Lawn Removal – Lawn Be Gone – Episode 2, See Attachment F for a copy of the current Water Quality web page.

- 4) **Summarize Illicit Discharges (including spills and water quality data events) and how each significant case was resolved [K.3.d.(4)4]:** there are none to report this year.

- 5) **Describe any instances when field screening and analytical data exceeded Action Levels, including those instances for which no investigation was conducted [K.3.d.(4)5]:** Dry Weather inspections were conducted once in July and September 2013. No illicit discharges were observed. Please see Attachment F for completed Field Data Sheets and photos.

- 6) **Describe the follow-up and enforcement actions taken in response to investigations of Illicit Discharges and a description of the outcome of the investigation/enforcement actions as required under Section F.4.e,f, & g. [K.3.d.(4)6]:**

Illicit Discharge Incident	Follow-up and Enforcement Action	Outcome
Residential / Commercial Areas	Educational letter, Code Enforcement sent Correction Notice to property owners	Problem was abated and no fine was issued.

**7. ILLICIT DISCHARGE DETECTION AND ELIMINATION
(SECTION F.4 of ORDER NO. R9-2010-0016)**

ATTACHMENT F

Search...

Tuesday, October 14, 2014 Temperature: 79°F



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- FEMA National Flood Insurance Program
- Forms
- Public Works Home
- Public Works Maintenance
- Road Construction
- Traffic
- Water Quality/FEMA
- Contact Us
- Road Construction Map

WATER QUALITY/FEMA

Report Illegal Dumping or Discharges - HOTLINE: (951) 461-6330 - City of Murrieta Code Enforcement: Monday - Thursday from 7:00am - 4:30pm, Friday 8:30am - 5:00pm, and Saturday 8:00am - 3:00pm. Otherwise, contact the non-emergency dispatch number at (951) 696-3615. A code enforcement officer will be sent out to investigate.

Report Irrigation Runoff or Discharges of City Maintained Landscaping at (951) 461-6124 Monday - Thursday 7:00am - 5:30pm all other hours call (951) 696-3615.

DID YOU KNOW THAT Waste Management offers **FREE**** BULK ITEM AND ELECTRONIC WASTE PICK UP FROM YOUR HOME CURBSIDE?**

VIEW THEIR WEBSITE AT [Waste Management](#) or CALL THEM TODAY AT (800) 423-9986.

Or you can drop off **Antifreeze, Batteries, Oil** (and filters) and **Paint** (latex ONLY) at the Murrieta location:

County Road Yard click [HERE](#) for an arial map of the location.
25315 Jefferson Avenue, Murrieta, 92562
Non-Holiday Saturdays only: 9:00 AM to 2:00 PM

- [General Permit - Regional Board](#)
- [Industrial Permit - Regional Board](#)
- [Educational Material - Riv. Co. Flood Control](#)
- [LID Design Handbook - Riv. Co. flood Control](#)
- [MS4 Permit - SD Regional Board](#)
- [FREE!! Disposal of Motor Oil, Paint, Batteries, Ect.](#)
- [WQMP](#)
- [Stormwater Runoff - video](#)
- [Trash Pollution in Water - video](#)
- [Lawn Removal - Lawn Be Gone - Episode 2](#)

NPDES

- [JRMP - City of Murrieta](#) (98.28 MB)
- [Watershed Workplan](#) (4.35 MB)
- [WQMP - City of Murrieta](#) (3.16 MB)
- [WQMP Checklist - Santa Margarita](#) (27.7 KB)

**7. ILLICIT DISCHARGE DETECTION AND ELIMINATION
(SECTION F.4 of ORDER NO. R9-2010-0016)**

ATTACHMENT F



STATION ID: Click and choose Station ID **SAMPLE DATE (MM/DD/YYYY):** 07/22/2013

STATION NAME: Click and choose Station Name **WATERSHED:** SAR SMR WWR

LOCATION (if not standard site): Murrieta Creek @ KALMIA **Within:** Unincorp. or City of MURRIETA

CONVEYANCE TYPE: Open Channel Receiving Water Within IAH

GPS INFO: Lat _____ Long _____ **GPS Unit:** _____ Outfall, Owner: _____

PRINTED NAMES of Sampling Team: Bill Woopsey Other: _____

SIGNATURE of lead sampler: Bill Woopsey **Sampling AGENCY:** _____

SAMPLE INFORMATION VISITED, NOT SAMPLED (TIME: _____)

EVENT CATEGORY:
 Wet Weather (Storm) OR
 Dry Weather
 1st 2nd 3rd 4th
 Recon, IC/ID, or Complaint
 Other _____

No. of Samples: 0 **SAMPLE ID(s):** 1314-XX-XXXX-01, 1314-XX-XXXX-XX

STREAM FLOW:
 Dry: Yes No Ponded: Yes No
 Rising Groundwater: Yes No
 Connects to Surface Receiving Water Yes No
 Dry weather event u/s influence: Yes No

TYPE (check all that apply):
 Grab [SAMPLE TIME: _____]
 Composite TIME: see below
 Travel Blank Field Blank Field DUP
 Other: _____

FIELD PARAMETERS Time Measured: _____

	Result	Units	Meter	Calibration Date
<input type="checkbox"/> Water Temp	_____	_____	_____	_____
<input type="checkbox"/> pH	_____	_____	_____	_____
<input type="checkbox"/> EC	_____	_____	_____	_____
<input type="checkbox"/> Turbidity	_____	_____	_____	_____
<input type="checkbox"/> DO	_____	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____	_____

FLOW ESTIMATION:

USGS Gauge height/stage _____ ft Q (cfs) = _____
 [Gauge Name/No.: _____]

Calculation by visual measurement: Q (cfs) = _____
 = [Coef(1, 2/3, _____)] * [depth _____ ft] * [width _____ ft] * [vel _____ fps]

Circular pipe: [vel _____ fps] [depth _____ ft] [width _____ ft] [R= _____ ft]

SITE CONDITIONS

PRECIPITATION:
NOW: None Fog Drizzle Sprinkle
 Rain Hail/Snow
 Last 24 hrs: None <1" >1" _____
 Last 72 hrs: None <1" >1" _____

ODOR: None Sulfides Sewage Smoke
 Petroleum Other: _____

Floatables _____ Settleables _____
 Vegetation _____ Staining _____

COLOR: Colorless Green Yellow Brown
 Other _____

CLARITY: Clear (see bottom) Cloudy Murky
Sheen Present: Yes No

TRASH: Yes No
 From: Flows Dumping Other: _____

COMPOSITE Samples: Auto/Grab, Flow/Time Weighted, _____ Hrs

Time	H(in.)	Flow(cfs)	%	Time	H(in.)	Flow(cfs)	%
1	_____	_____	_____	13	_____	_____	_____
2	_____	_____	_____	14	_____	_____	_____
3	_____	_____	_____	15	_____	_____	_____
4	_____	_____	_____	16	_____	_____	_____
5	_____	_____	_____	17	_____	_____	_____
6	_____	_____	_____	18	_____	_____	_____
7	_____	_____	_____	19	_____	_____	_____
8	_____	_____	_____	20	_____	_____	_____
	_____	_____	_____	21	_____	_____	_____
10	_____	_____	_____	22	_____	_____	_____
11	_____	_____	_____	23	_____	_____	_____
12	_____	_____	_____	24	_____	_____	_____

Observations/Notes Photograph(s)

Dry - Sunny - NO SAMPLE TAKEN

Additional sample(s) taken u/s, d/s (circle one or both and complete separate FDS(s)) at:



MUMMERS Creek @ PALMID 7.22.13



STATION ID: Click and choose Station ID SAMPLE DATE (MM/DD/YYYY): 07/22/2013

STATION NAME: Click and choose Station Name WATERSHED: SAR SMR WWR

LOCATION (if not standard site): Line 'E' West of Jefferson Ave Within: Unincorp. or City of Murrieta

CONVEYANCE TYPE: _____ Receiving Water Within IAH

GPS INFO: Lat _____ Long _____ GPS Unit: _____ Outfall, Owner: _____

PRINTED NAMES of Sampling Team: Bill Woodsey Other: _____

SIGNATURE of lead sampler: Bill Woodsey Sampling AGENCY: _____

SAMPLE INFORMATION VISITED, NOT SAMPLED (TIME: _____)

EVENT CATEGORY: <input type="checkbox"/> Wet Weather (Storm) OR <input checked="" type="checkbox"/> Dry Weather <input type="checkbox"/> 1 st <input type="checkbox"/> 2 nd <input type="checkbox"/> 3 rd <input type="checkbox"/> 4 th <input type="checkbox"/> Recon, IC/ID, or Complaint <input type="checkbox"/> Other _____	No. of Samples: <u>0</u> SAMPLE ID(s): <u>1314-XX-XXXX-01, 1314-XX-XXXX-XX</u>	
	<table border="1"> <tr> <td> STREAM FLOW: Dry: <input type="checkbox"/> Yes <input type="checkbox"/> No Ponded: <input type="checkbox"/> Yes <input type="checkbox"/> No Rising Groundwater: <input type="checkbox"/> Yes <input type="checkbox"/> No Connects to Surface Receiving Water <input type="checkbox"/> Yes <input type="checkbox"/> No Dry weather event u/s influence: <input type="checkbox"/> Yes <input type="checkbox"/> No </td> <td> TYPE (check all that apply): <input type="checkbox"/> Grab [SAMPLE TIME: _____] <input type="checkbox"/> Composite TIME: see below <input type="checkbox"/> Travel Blank <input type="checkbox"/> Field Blank <input type="checkbox"/> Field DUP <input type="checkbox"/> Other: _____ </td> </tr> </table>	STREAM FLOW: Dry: <input type="checkbox"/> Yes <input type="checkbox"/> No Ponded: <input type="checkbox"/> Yes <input type="checkbox"/> No Rising Groundwater: <input type="checkbox"/> Yes <input type="checkbox"/> No Connects to Surface Receiving Water <input type="checkbox"/> Yes <input type="checkbox"/> No Dry weather event u/s influence: <input type="checkbox"/> Yes <input type="checkbox"/> No
STREAM FLOW: Dry: <input type="checkbox"/> Yes <input type="checkbox"/> No Ponded: <input type="checkbox"/> Yes <input type="checkbox"/> No Rising Groundwater: <input type="checkbox"/> Yes <input type="checkbox"/> No Connects to Surface Receiving Water <input type="checkbox"/> Yes <input type="checkbox"/> No Dry weather event u/s influence: <input type="checkbox"/> Yes <input type="checkbox"/> No	TYPE (check all that apply): <input type="checkbox"/> Grab [SAMPLE TIME: _____] <input type="checkbox"/> Composite TIME: see below <input type="checkbox"/> Travel Blank <input type="checkbox"/> Field Blank <input type="checkbox"/> Field DUP <input type="checkbox"/> Other: _____	

FIELD PARAMETERS Time Measured: _____

	Result	Units	Meter	Calibration Date
<input type="checkbox"/> Water Temp	_____	_____	_____	_____
<input type="checkbox"/> pH	_____	_____	_____	_____
<input type="checkbox"/> EC	_____	_____	_____	_____
<input type="checkbox"/> Turbidity	_____	_____	_____	_____
<input type="checkbox"/> DO	_____	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____	_____

FLOW ESTIMATION:

USGS Gauge height/stage _____ ft Q (cfs) = _____
 [Gauge Name/No.: _____]

Calculation by visual measurement: Q (cfs) = _____
 = [Coef(1, 2/3, _____)] * [depth _____ ft] * [width _____ ft] * [vel _____ fps]

Circular pipe: [vel _____ fps] [depth _____ ft] [width _____ ft] [R= _____ ft]

SITE CONDITIONS

PRECIPITATION:

NOW: None Fog Drizzle Sprinkle
 Rain Hail/Snow

Last 24 hrs: None <1" >1" _____
 Last 72 hrs: None <1" >1" _____

ODOR: None Sulfides Sewage Smoke
 Petroleum Other: _____

Floatables _____ Settleables _____
 Vegetation _____ Staining _____

COLOR: Colorless Green Yellow Brown
 Other _____

CLARITY: Clear (see bottom) Cloudy Murky
Sheen Present: Yes No

TRASH: Yes No
 From: Flows Dumping Other: _____

COMPOSITE Samples: Auto/Grab, Flow/Time Weighted, _____ Hrs

Time	H(in.)	Flow(cfs)	%	Time	H(in.)	Flow(cfs)	%
1	_____	_____	_____	13	_____	_____	_____
2	_____	_____	_____	14	_____	_____	_____
3	_____	_____	_____	15	_____	_____	_____
4	_____	_____	_____	16	_____	_____	_____
5	_____	_____	_____	17	_____	_____	_____
6	_____	_____	_____	18	_____	_____	_____
7	_____	_____	_____	19	_____	_____	_____
8	_____	_____	_____	20	_____	_____	_____
	_____	_____	_____	21	_____	_____	_____
10	_____	_____	_____	22	_____	_____	_____
11	_____	_____	_____	23	_____	_____	_____
12	_____	_____	_____	24	_____	_____	_____

Observations/Notes Photograph(s)

DRY - NO Sample TAKEN

Additional sample(s) taken u/s, d/s (circle one or both and complete separate FDS(s)) at:



Line 'E'

7-22-13



STATION ID: Click and choose Station ID **SAMPLE DATE (MM/DD/YYYY):** 07/22/2013

STATION NAME: Click and choose Station Name **WATERSHED:** SAR SMR WWR

LOCATION (if not standard site): CATT Rd. @ CLINTON Keith Rd **Within:** Unincorp. or City of MURRIETA

CONVEYANCE TYPE: _____ Receiving Water Within IAH

GPS INFO: Lat _____ Long _____ GPS Unit: _____ Outfall, Owner: _____

PRINTED NAMES of Sampling Team: Bill Woasey Other: _____

SIGNATURE of lead sampler: Bill Woasey **Sampling AGENCY:** _____

SAMPLE INFORMATION VISITED, NOT SAMPLED (TIME: _____)

EVENT CATEGORY:
 Wet Weather (Storm) OR
 Dry Weather
 1st 2nd 3rd 4th
 Recon, IC/ID, or Complaint
 Other _____

No. of Samples: 0 **SAMPLE ID(s):** 1314-XX-XXXX-01, 1314-XX-XXXX-XX

STREAM FLOW:
 Dry: Yes No Ponded: Yes No
 Rising Groundwater: Yes No
 Connects to Surface Receiving Water Yes No
 Dry weather event u/s influence: Yes No

TYPE (check all that apply):
 Grab [SAMPLE TIME: _____]
 Composite TIME: see below
 Travel Blank Field Blank Field DUP
 Other: _____

FIELD PARAMETERS Time Measured: _____ **SITE CONDITIONS**

	Result	Units	Meter	Calibration Date
<input type="checkbox"/> Water Temp	_____	_____	_____	_____
<input type="checkbox"/> pH	_____	_____	_____	_____
<input type="checkbox"/> EC	_____	_____	_____	_____
<input type="checkbox"/> Turbidity	_____	_____	_____	_____
<input type="checkbox"/> DO	_____	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____	_____

FLOW ESTIMATION:
 USGS Gauge height/stage _____ ft Q (cfs) = _____
 [Gauge Name/No.: _____]
 Calculation by visual measurement: Q (cfs) = _____
 = [Coef(1, 2/3, _____)] * [depth _____ ft] * [width _____ ft] * [vel _____ fps]
 Circular pipe: [vel _____ fps][depth _____ ft][width _____ ft][R= _____ ft]

PRECIPITATION:
NOW: None Fog Drizzle Sprinkle
 Rain Hail/Snow
 Last 24 hrs: None <1" >1" _____
 Last 72 hrs: None <1" >1" _____

ODOR: None Sulfides Sewage Smoke
 Petroleum Other: _____

Floatables _____ Settleables _____
 Vegetation _____ Staining _____

COLOR: Colorless Green Yellow Brown
 Other _____

CLARITY: Clear (see bottom) Cloudy Murky
Sheen Present: Yes No

TRASH: Yes No
 From: Flows Dumping Other: _____

COMPOSITE Samples: Auto/Grab, Flow/Time Weighted, _____ Hrs **Observations/Notes** Photograph(s)

Time	H(in.)	Flow(cfs)	%	Time	H(in.)	Flow(cfs)	%
1	_____	_____	_____	13	_____	_____	_____
2	_____	_____	_____	14	_____	_____	_____
3	_____	_____	_____	15	_____	_____	_____
4	_____	_____	_____	16	_____	_____	_____
5	_____	_____	_____	17	_____	_____	_____
6	_____	_____	_____	18	_____	_____	_____
7	_____	_____	_____	19	_____	_____	_____
8	_____	_____	_____	20	_____	_____	_____
				21	_____	_____	_____
10	_____	_____	_____	22	_____	_____	_____
11	_____	_____	_____	23	_____	_____	_____
12	_____	_____	_____	24	_____	_____	_____

Dry - NO SAMPLES TAKEN

Additional sample(s) taken u/s, d/s (circle one or both and complete separate FDS(s)) at:



CATT Rd . 7.22.13



STATION ID: Click and choose Station ID **SAMPLE DATE (MM/DD/YYYY):** 07/22/2013

STATION NAME: Click and choose Station Name **WATERSHED:** SAR SMR WWR

LOCATION (if not standard site): MtS Rd @ Warm Spring Creek **Within:** Unincorp. or City of Murrieta

CONVEYANCE TYPE: Receiving Water Within IAH

GPS INFO: Lat _____ Long _____ GPS Unit: _____ Outfall, Owner: _____

PRINTED NAMES of Sampling Team: Bin Woarsey Other: _____

SIGNATURE of lead sampler: Bill Woarsey **Sampling AGENCY:** _____

SAMPLE INFORMATION VISITED, NOT SAMPLED (TIME: _____)

EVENT CATEGORY:
 Wet Weather (Storm) OR
 Dry Weather
 1st 2nd 3rd 4th
 Recon, IC/ID, or Complaint
 Other _____

No. of Samples: 0 **SAMPLE ID(s):** 1314-XX-XXXX-01, 1314-XX-XXXX-XX

STREAM FLOW:
 Dry: Yes No Ponded: Yes No
 Rising Groundwater: Yes No
 Connects to Surface Receiving Water Yes No
 Dry weather event u/s influence: Yes No

TYPE (check all that apply):
 Grab [SAMPLE TIME: _____]
 Composite TIME: see below
 Travel Blank Field Blank Field DUP
 Other: _____

FIELD PARAMETERS Time Measured: _____

	Result	Units	Meter	Calibration Date
<input type="checkbox"/> Water Temp	_____	_____	_____	_____
<input type="checkbox"/> pH	_____	_____	_____	_____
<input type="checkbox"/> EC	_____	_____	_____	_____
<input type="checkbox"/> Turbidity	_____	_____	_____	_____
<input type="checkbox"/> DO	_____	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____	_____

FLOW ESTIMATION:
 USGS Gauge height/stage _____ ft Q (cfs) = _____
 [Gauge Name/No.: _____]
 Calculation by visual measurement: Q (cfs) = _____
 = [Coef(1, 2/3, _____)] * [depth _____ ft] * [width _____ ft] * [vel _____ fps]
 Circular pipe: [vel _____ fps] [depth _____ ft] [width _____ ft] [R= _____ ft]

COMPOSITE Samples: Auto/Grab, Flow/Time Weighted, _____ Hrs

Time	H(in.)	Flow(cfs)	%	Time	H(in.)	Flow(cfs)	%
1	_____	_____	13	_____	_____	_____	_____
2	_____	_____	14	_____	_____	_____	_____
3	_____	_____	15	_____	_____	_____	_____
4	_____	_____	16	_____	_____	_____	_____
5	_____	_____	17	_____	_____	_____	_____
6	_____	_____	18	_____	_____	_____	_____
7	_____	_____	19	_____	_____	_____	_____
8	_____	_____	20	_____	_____	_____	_____
	_____	_____	21	_____	_____	_____	_____
10	_____	_____	22	_____	_____	_____	_____
11	_____	_____	23	_____	_____	_____	_____
12	_____	_____	24	_____	_____	_____	_____

SITE CONDITIONS

PRECIPITATION:
NOW: None Fog Drizzle Sprinkle
 Rain Hail/Snow
 Last 24 hrs: None <1" >1" _____
 Last 72 hrs: None <1" >1" _____

ODOR: None Sulfides Sewage Smoke
 Petroleum Other: _____

Floatables _____ Settleables _____
 Vegetation _____ Staining _____

COLOR: Colorless Green Yellow Brown
 Other _____

CLARITY: Clear (see bottom) Cloudy Murky
Sheen Present: Yes No

TRASH: Yes No
 From: Flows Dumping Other: _____

Observations/Notes Photograph(s)

Dry upstream. Discharge is from Murrieta Hot Springs. Water ponds & then infiltrates shortly so of MtS Rd.

Additional sample(s) taken u/s, d/s (circle one or both and complete separate FDS(s)) at:

CITY OF MURRIETA

AUG 21 2013

RECEIVED
ENGINEERING DEPT

UPSTREAM POND PARK IS DRY



POND PARK OUTLET WARM SPRINGS CREEK @ MHS Rd. 7-22-13





STATION ID: Click and choose Station ID SAMPLE DATE (MM/DD/YYYY): 07/22/13

STATION NAME: Click and choose Station Name LOS ALAMOS ROAD WATERSHED: SAR SMR WWR

LOCATION (if not standard site): WEST OF KASOTA Rd. Within: Unincorp. or City of Murrieta

CONVEYANCE TYPE: _____ Receiving Water Within IAH

GPS INFO: Lat _____ Long _____ GPS Unit: _____ Outfall, Owner: _____

PRINTED NAMES of Sampling Team: Bill Woolsey Other: _____

SIGNATURE of lead sampler: Bill Woolsey Sampling AGENCY: _____

SAMPLE INFORMATION VISITED, NOT SAMPLED (TIME: _____)

EVENT CATEGORY: <input type="checkbox"/> Wet Weather (Storm) OR <input checked="" type="checkbox"/> Dry Weather <input type="checkbox"/> 1 st <input type="checkbox"/> 2 nd <input type="checkbox"/> 3 rd <input type="checkbox"/> 4 th <input type="checkbox"/> Recon, IC/ID, or Complaint <input type="checkbox"/> Other _____	No. of Samples: <u>0</u>	SAMPLE ID(s): <u>1314-XX-XXXX-01, 1314-XX-XXXX-XX</u>
	STREAM FLOW: Dry: <input type="checkbox"/> Yes <input type="checkbox"/> No Ponded: <input type="checkbox"/> Yes <input type="checkbox"/> No Rising Groundwater: <input type="checkbox"/> Yes <input type="checkbox"/> No Connects to Surface Receiving Water <input type="checkbox"/> Yes <input type="checkbox"/> No Dry weather event u/s influence: <input type="checkbox"/> Yes <input type="checkbox"/> No	

FIELD PARAMETERS Time Measured: _____ **SITE CONDITIONS**

	Result	Units	Meter	Calibration Date
<input type="checkbox"/> Water Temp	_____	_____	_____	_____
<input type="checkbox"/> pH	_____	_____	_____	_____
<input type="checkbox"/> EC	_____	_____	_____	_____
<input type="checkbox"/> Turbidity	_____	_____	_____	_____
<input type="checkbox"/> DO	_____	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____	_____

FLOW ESTIMATION:

USGS Gauge height/stage _____ ft Q (cfs) = _____
 [Gauge Name/No.: _____]

Calculation by visual measurement: Q (cfs) = _____
 = [Coef(1, 2/3, _____)] * [depth _____ ft] * [width _____ ft] * [vel _____ fps]

Circular pipe: [vel _____ fps] [depth _____ ft] [width _____ ft] [R= _____ ft]

PRECIPITATION:

NOW: None Fog Drizzle Sprinkle
 Rain Hail/Snow

Last 24 hrs: None <1" >1" _____
 Last 72 hrs: None <1" >1" _____

ODOR: None Sulfides Sewage Smoke
 Petroleum Other: _____

Floatables _____ Settleables _____
 Vegetation _____ Staining _____

COLOR: Colorless Green Yellow Brown
 Other _____

CLARITY: Clear (see bottom) Cloudy Murky
Sheen Present: Yes No

TRASH: Yes No
 From: Flows Dumping Other: _____

COMPOSITE Samples: Auto/Grab, Flow/Time Weighted, _____ Hrs **Observations/Notes** Photograph(s)

Time	H(in.)	Flow(cfs)	%	Time	H(in.)	Flow(cfs)	%
1	_____	_____	13	_____	_____	_____	_____
2	_____	_____	14	_____	_____	_____	_____
3	_____	_____	15	_____	_____	_____	_____
4	_____	_____	16	_____	_____	_____	_____
5	_____	_____	17	_____	_____	_____	_____
6	_____	_____	18	_____	_____	_____	_____
7	_____	_____	19	_____	_____	_____	_____
8	_____	_____	20	_____	_____	_____	_____
	_____	_____	21	_____	_____	_____	_____
10	_____	_____	22	_____	_____	_____	_____
11	_____	_____	23	_____	_____	_____	_____
12	_____	_____	24	_____	_____	_____	_____

Dry - NO sample taken

Additional sample(s) taken u/s, d/s (circle one or both and complete separate FDS(s)) at:



LOS ALAMOS Rd.



STATION ID: Click and choose Station ID SAMPLE DATE (MM/DD/YYYY): 09/26/2013

STATION NAME: Click and choose Station Name Murrieta Creek @ PALMATA WATERSHED: SAR SMR WWR

LOCATION (if not standard site): _____ Within: Unincorp. or City of _____

CONVEYANCE TYPE: _____ Receiving Water Within IAH

GPS INFO: Lat _____ Long _____ GPS Unit: _____ Outfall, Owner: _____

PRINTED NAMES of Sampling Team: Ben Worsley Other: _____

SIGNATURE of lead sampler: Ben Worsley Sampling AGENCY: _____

SAMPLE INFORMATION VISITED, NOT SAMPLED (TIME: 2:00 PM)

EVENT CATEGORY: <input type="checkbox"/> Wet Weather (Storm) <u>OR</u> <input type="checkbox"/> Dry Weather <input type="checkbox"/> 1 st <input type="checkbox"/> 2 nd <input type="checkbox"/> 3 rd <input type="checkbox"/> 4 th <input type="checkbox"/> Recon, IC/ID, or Complaint <input type="checkbox"/> Other _____	No. of Samples: _____ SAMPLE ID(s): <u>1314-XX-XXXX-01, 1314-XX-XXXX-XX</u>	
	<table border="1"> <tr> <td> STREAM FLOW: Dry: <input type="checkbox"/> Yes <input type="checkbox"/> No Ponded: <input type="checkbox"/> Yes <input type="checkbox"/> No Rising Groundwater: <input type="checkbox"/> Yes <input type="checkbox"/> No Connects to Surface Receiving Water <input type="checkbox"/> Yes <input type="checkbox"/> No Dry weather event u/s influence: <input type="checkbox"/> Yes <input type="checkbox"/> No </td> <td> TYPE (check all that apply): <input type="checkbox"/> Grab [SAMPLE TIME: _____] <input type="checkbox"/> Composite TIME: see below <input type="checkbox"/> Travel Blank <input type="checkbox"/> Field Blank <input type="checkbox"/> Field DUP <input type="checkbox"/> Other: _____ </td> </tr> </table>	STREAM FLOW: Dry: <input type="checkbox"/> Yes <input type="checkbox"/> No Ponded: <input type="checkbox"/> Yes <input type="checkbox"/> No Rising Groundwater: <input type="checkbox"/> Yes <input type="checkbox"/> No Connects to Surface Receiving Water <input type="checkbox"/> Yes <input type="checkbox"/> No Dry weather event u/s influence: <input type="checkbox"/> Yes <input type="checkbox"/> No
STREAM FLOW: Dry: <input type="checkbox"/> Yes <input type="checkbox"/> No Ponded: <input type="checkbox"/> Yes <input type="checkbox"/> No Rising Groundwater: <input type="checkbox"/> Yes <input type="checkbox"/> No Connects to Surface Receiving Water <input type="checkbox"/> Yes <input type="checkbox"/> No Dry weather event u/s influence: <input type="checkbox"/> Yes <input type="checkbox"/> No	TYPE (check all that apply): <input type="checkbox"/> Grab [SAMPLE TIME: _____] <input type="checkbox"/> Composite TIME: see below <input type="checkbox"/> Travel Blank <input type="checkbox"/> Field Blank <input type="checkbox"/> Field DUP <input type="checkbox"/> Other: _____	

FIELD PARAMETERS Time Measured: _____

	Result	Units	Meter	Calibration Date
<input type="checkbox"/> Water Temp	_____	_____	_____	_____
<input type="checkbox"/> pH	_____	_____	_____	_____
<input type="checkbox"/> EC	_____	_____	_____	_____
<input type="checkbox"/> Turbidity	_____	_____	_____	_____
<input type="checkbox"/> DO	_____	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____	_____

FLOW ESTIMATION:

USGS Gauge height/stage _____ ft Q (cfs) = _____
 [Gauge Name/No.: _____]

Calculation by visual measurement: Q (cfs) = _____
 = [Coef(1, 2/3, _____)] * [depth _____ ft] * [width _____ ft] * [vel _____ fps]

Circular pipe: [vel _____ fps] [depth _____ ft] [width _____ ft] [R= _____ ft]

COMPOSITE Samples: Auto/Grab, Flow/Time Weighted, _____ Hrs

Time	H(in.)	Flow(cfs)	%	Time	H(in.)	Flow(cfs)	%
1	_____	_____	_____	13	_____	_____	_____
2	_____	_____	_____	14	_____	_____	_____
3	_____	_____	_____	15	_____	_____	_____
4	_____	_____	_____	16	_____	_____	_____
5	_____	_____	_____	17	_____	_____	_____
6	_____	_____	_____	18	_____	_____	_____
7	_____	_____	_____	19	_____	_____	_____
8	_____	_____	_____	20	_____	_____	_____
	_____	_____	_____	21	_____	_____	_____
10	_____	_____	_____	22	_____	_____	_____
11	_____	_____	_____	23	_____	_____	_____
12	_____	_____	_____	24	_____	_____	_____

SITE CONDITIONS

PRECIPITATION:

NOW: None Fog Drizzle Sprinkle
 Rain Hail/Snow

Last 24 hrs: None <1" >1" _____
 Last 72 hrs: None <1" >1" _____

ODOR: None Sulfides Sewage Smoke
 Petroleum Other: _____

Floatables _____ Settleables _____
 Vegetation _____ Staining _____

COLOR: Colorless Green Yellow Brown
 Other _____

CLARITY: Clear (see bottom) Cloudy Murky
Sheen Present: Yes No

TRASH: Yes No
 From: Flows Dumping Other: _____

Observations/Notes Photograph(s)

DRY, OVERCAST

Additional sample(s) taken u/s, d/s (circle one or both and complete separate FDS(s)) at:





STATION ID: Click and choose Station ID **SAMPLE DATE (MM/DD/YYYY):** 09/26/2013

STATION NAME: Click and choose Station Name **WATERSHED:** SAR SMR WWR

LOCATION (if not standard site): Line P' w/o Jefferson Ave **Within:** Unincorp. or City of _____

CONVEYANCE TYPE: Cone. Channel Receiving Water Within IAH

GPS INFO: Lat _____ Long _____ GPS Unit: _____ Outfall, Owner: _____

PRINTED NAMES of Sampling Team: Bill Wooley Other: _____

SIGNATURE of lead sampler: Bill Wooley **Sampling AGENCY:** _____

SAMPLE INFORMATION VISITED, NOT SAMPLED (TIME: 2:10 PM)

EVENT CATEGORY:
 Wet Weather (Storm) OR
 Dry Weather
 1st 2nd 3rd 4th
 Recon, IC/ID, or Complaint
 Other _____

No. of Samples: _____ **SAMPLE ID(s):** 1314-XX-XXXX-01, 1314-XX-XXXX-XX

STREAM FLOW:
 Dry: Yes No Ponded: Yes No
 Rising Groundwater: Yes No
 Connects to Surface Receiving Water Yes No
 Dry weather event u/s influence: Yes No

TYPE (check all that apply):
 Grab [SAMPLE TIME: _____]
 Composite TIME: see below
 Travel Blank Field Blank Field DUP
 Other: _____

FIELD PARAMETERS Time Measured: _____

	Result	Units	Meter	Calibration Date
<input type="checkbox"/> Water Temp	_____	_____	_____	_____
<input type="checkbox"/> pH	_____	_____	_____	_____
<input type="checkbox"/> EC	_____	_____	_____	_____
<input type="checkbox"/> Turbidity	_____	_____	_____	_____
<input type="checkbox"/> DO	_____	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____	_____

FLOW ESTIMATION:
 USGS Gauge height/stage _____ ft Q (cfs) = _____
 [Gauge Name/No.: _____]
 Calculation by visual measurement: Q (cfs) = _____
 = [Coeff(1, 2/3, _____)] * [depth _____ ft] * [width _____ ft] * [vel _____ fps]
 Circular pipe: [vel _____ fps][depth _____ ft][width _____ ft][R= _____ ft]

COMPOSITE Samples: Auto/Grab, Flow/Time Weighted, _____ Hrs

Time	H(in.)	Flow(cfs)	%	Time	H(in.)	Flow(cfs)	%
1	_____	_____	_____	13	_____	_____	_____
2	_____	_____	_____	14	_____	_____	_____
3	_____	_____	_____	15	_____	_____	_____
4	_____	_____	_____	16	_____	_____	_____
5	_____	_____	_____	17	_____	_____	_____
6	_____	_____	_____	18	_____	_____	_____
7	_____	_____	_____	19	_____	_____	_____
8	_____	_____	_____	20	_____	_____	_____
	_____	_____	_____	21	_____	_____	_____
10	_____	_____	_____	22	_____	_____	_____
11	_____	_____	_____	23	_____	_____	_____
12	_____	_____	_____	24	_____	_____	_____

SITE CONDITIONS

PRECIPITATION:
NOW: None Fog Drizzle Sprinkle
 Rain Hail/Snow
 Last 24 hrs: None <1" >1" _____
 Last 72 hrs: None <1" >1" _____

ODOR: None Sulfides Sewage Smoke
 Petroleum Other: _____

Floatables _____ Settleables _____
 Vegetation _____ Staining _____

COLOR: Colorless Green Yellow Brown
 Other _____

CLARITY: Clear (see bottom) Cloudy Murky
Sheen Present: Yes No

TRASH: Yes No
 From: Flows Dumping Other: _____

Observations/Notes Photograph(s)

DRY, OVERCAST

Additional sample(s) taken u/s, d/s (circle one or both and complete separate FDS(s)) at:





STATION ID: Click and choose Station ID **SAMPLE DATE (MM/DD/YYYY):** 09/26/2013

STATION NAME: Click and choose Station Name CATT Rd @ CRR **WATERSHED:** SAR SMR WWR

LOCATION (if not standard site): _____ **Within:** Unincorp. or City of _____

CONVEYANCE TYPE: _____ Receiving Water Within IAH

GPS INFO: Lat _____ Long _____ GPS Unit: _____ Outfall, Owner: _____

PRINTED NAMES of Sampling Team: Bill Wooley Other: _____

SIGNATURE of lead sampler: Bill Wooley **Sampling AGENCY:** _____

SAMPLE INFORMATION VISITED, NOT SAMPLED (TIME: 2:20 PM)

EVENT CATEGORY:
 Wet Weather (Storm) OR
 Dry Weather
 1st 2nd 3rd 4th
 Recon, IC/ID, or Complaint
 Other _____

No. of Samples: _____ **SAMPLE ID(s):** 1314-XX-XXXX-01, 1314-XX-XXXX-XX

STREAM FLOW:
 Dry: Yes No Ponded: Yes No
 Rising Groundwater: Yes No
 Connects to Surface Receiving Water Yes No
 Dry weather event u/s influence: Yes No

TYPE (check all that apply):
 Grab [SAMPLE TIME: _____]
 Composite TIME: see below
 Travel Blank Field Blank Field DUP
 Other: _____

FIELD PARAMETERS Time Measured: _____

	Result	Units	Meter	Calibration Date
<input type="checkbox"/> Water Temp	_____	_____	_____	_____
<input type="checkbox"/> pH	_____	_____	_____	_____
<input type="checkbox"/> EC	_____	_____	_____	_____
<input type="checkbox"/> Turbidity	_____	_____	_____	_____
<input type="checkbox"/> DO	_____	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____	_____

FLOW ESTIMATION:

USGS Gauge height/stage _____ ft Q (cfs) = _____
 [Gauge Name/No.: _____]

Calculation by visual measurement: Q (cfs) = _____
 = [Coef(1, 2/3, _____)] * [depth _____ ft] * [width _____ ft] * [vel _____ fps]

Circular pipe: [vel _____ fps] [depth _____ ft] [width _____ ft] [R= _____ ft]

COMPOSITE Samples: Auto/Grab, Flow/Time Weighted, _____ Hrs

Time	H(in.)	Flow(cfs)	%	Time	H(in.)	Flow(cfs)	%
1	_____	_____	_____	13	_____	_____	_____
2	_____	_____	_____	14	_____	_____	_____
3	_____	_____	_____	15	_____	_____	_____
4	_____	_____	_____	16	_____	_____	_____
5	_____	_____	_____	17	_____	_____	_____
6	_____	_____	_____	18	_____	_____	_____
7	_____	_____	_____	19	_____	_____	_____
8	_____	_____	_____	20	_____	_____	_____
	_____	_____	_____	21	_____	_____	_____
10	_____	_____	_____	22	_____	_____	_____
11	_____	_____	_____	23	_____	_____	_____
12	_____	_____	_____	24	_____	_____	_____

SITE CONDITIONS

PRECIPITATION:
NOW: None Fog Drizzle Sprinkle
 Rain Hail/Snow
 Last 24 hrs: None <1" >1" _____
 Last 72 hrs: None <1" >1" _____

ODOR: None Sulfides Sewage Smoke
 Petroleum Other: _____

Floatables _____ Settleables _____
 Vegetation _____ Staining _____

COLOR: Colorless Green Yellow Brown
 Other _____

CLARITY: Clear (see bottom) Cloudy Murky
Sheen Present: Yes No

TRASH: Yes No
 From: Flows Dumping Other: _____

Observations/Notes Photograph(s)

Dry, overcast

Additional sample(s) taken u/s, d/s (circle one or both and complete separate FDS(s)) at:





STATION ID: Click and choose Station ID **SAMPLE DATE (MM/DD/YYYY):** 09/26/2013

STATION NAME: Click and choose Station Name MHS Rd @ **WATERSHED:** SAR SMR WWR

LOCATION (if not standard site): WARM SPRINGS CREEK **Within:** Unincorp. or City of _____

CONVEYANCE TYPE: _____ Receiving Water Within IAH

GPS INFO: Lat _____ Long _____ GPS Unit: _____ Outfall, Owner: _____

PRINTED NAMES of Sampling Team: _____ Other: _____

SIGNATURE of lead sampler: Bill Woolsey **Sampling AGENCY:** _____

SAMPLE INFORMATION VISITED, NOT SAMPLED (TIME: 2:40) PM

EVENT CATEGORY:
 Wet Weather (Storm) OR
 Dry Weather
 Recon, IC/ID, or Complaint
 Other _____

No. of Samples: _____ **SAMPLE ID(s):** 1314-XX-XXXX-01, 1314-XX-XXXX-XX

STREAM FLOW:
 Dry: Yes No Ponded: Yes No
 Rising Groundwater: Yes No
 Connects to Surface Receiving Water Yes No
 Dry weather event u/s influence: Yes No

TYPE (check all that apply):
 Grab [SAMPLE TIME: _____]
 Composite TIME: see below
 Travel Blank Field Blank Field DUP
 Other: _____

FIELD PARAMETERS Time Measured: _____

	Result	Units	Meter	Calibration Date
<input type="checkbox"/> Water Temp	_____	_____	_____	_____
<input type="checkbox"/> pH	_____	_____	_____	_____
<input type="checkbox"/> EC	_____	_____	_____	_____
<input type="checkbox"/> Turbidity	_____	_____	_____	_____
<input type="checkbox"/> DO	_____	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____	_____

FLOW ESTIMATION:

USGS Gauge height/stage _____ ft Q (cfs) = _____
 [Gauge Name/No.: _____]

Calculation by visual measurement: Q (cfs) = _____
 = [Coeff(1, ²/₃, _____)] * [depth _____ ft] * [width _____ ft] * [vel _____ fps]

Circular pipe: [vel _____ fps][depth _____ ft][width _____ ft][R= _____ ft]

COMPOSITE Samples: Auto/Grab, Flow/Time Weighted, _____ Hrs

Time	H(in.)	Flow(cfs)	%	Time	H(in.)	Flow(cfs)	%
1	_____	_____	_____	13	_____	_____	_____
2	_____	_____	_____	14	_____	_____	_____
3	_____	_____	_____	15	_____	_____	_____
4	_____	_____	_____	16	_____	_____	_____
5	_____	_____	_____	17	_____	_____	_____
6	_____	_____	_____	18	_____	_____	_____
7	_____	_____	_____	19	_____	_____	_____
8	_____	_____	_____	20	_____	_____	_____
				21			
				22			
10	_____	_____	_____				
11	_____	_____	_____	23	_____	_____	_____
12	_____	_____	_____	24	_____	_____	_____

SITE CONDITIONS

PRECIPITATION:
NOW: None Fog Drizzle Sprinkle
 Rain Hail/Snow
 Last 24 hrs: None <1" >1" _____
 Last 72 hrs: None <1" >1" _____

ODOR: None Sulfides Sewage Smoke
 Petroleum Other: _____

Floatables _____ Settleables _____
 Vegetation _____ Staining _____

COLOR: Colorless Green Yellow Brown
 Other _____

CLARITY: Clear (see bottom) Cloudy Murky
Sheen Present: Yes No

TRASH: Yes No
 From: Flows Dumping Other: _____

Observations/Notes Photograph(s)

POND WATER - overflow
 Ground Water from
 HOT SPRINGS.
 - DRY up stream

Additional sample(s) taken u/s, d/s (circle one or both and complete separate FDS(s)) at:







STATION ID: Click and choose Station ID **SAMPLE DATE (MM/DD/YYYY):** 09/26/2013

STATION NAME: Click and choose Station Name Los Alamitos Rd @ **WATERSHED:** SAR SMR WWR

LOCATION (if not standard site): WEST OF KASOTA Rd **Within:** Unincorp. or City of _____

CONVEYANCE TYPE: _____ Receiving Water Within IAH

GPS INFO: Lat _____ Long _____ GPS Unit: _____ Outfall, Owner: _____

PRINTED NAMES of Sampling Team: Bill Woolsey Other: _____

SIGNATURE of lead sampler: Bill Woolsey **Sampling AGENCY:** _____

SAMPLE INFORMATION VISITED, NOT SAMPLED (TIME: 2:50 PM)

EVENT CATEGORY:
 Wet Weather (Storm) OR
 Dry Weather
 1st 2nd 3rd 4th
 Recon, IC/ID, or Complaint
 Other _____

No. of Samples: _____ **SAMPLE ID(s):** 1314-XX-XXXX-01, 1314-XX-XXXX-XX

STREAM FLOW:
 Dry: Yes No Ponded: Yes No
 Rising Groundwater: Yes No
 Connects to Surface Receiving Water Yes No
 Dry weather event u/s influence: Yes No

TYPE (check all that apply):
 Grab [SAMPLE TIME: _____]
 Composite TIME: see below
 Travel Blank Field Blank Field DUP
 Other: _____

FIELD PARAMETERS Time Measured: _____

	Result	Units	Meter	Calibration Date
<input type="checkbox"/> Water Temp	_____	_____	_____	_____
<input type="checkbox"/> pH	_____	_____	_____	_____
<input type="checkbox"/> EC	_____	_____	_____	_____
<input type="checkbox"/> Turbidity	_____	_____	_____	_____
<input type="checkbox"/> DO	_____	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____	_____

FLOW ESTIMATION:

USGS Gauge height/stage _____ ft Q (cfs) = _____
 [Gauge Name/No.: _____]

Calculation by visual measurement: Q (cfs) = _____
 = [Coef(1, ²/₃, _____)] * [depth _____ ft] * [width _____ ft] * [vel _____ fps]

Circular pipe: [vel _____ fps][depth _____ ft][width _____ ft][R= _____ ft]

COMPOSITE Samples: Auto/Grab, Flow/Time Weighted, _____ Hrs

Time	H(in.)	Flow(cfs)	%	Time	H(in.)	Flow(cfs)	%
1	_____	_____	_____	13	_____	_____	_____
2	_____	_____	_____	14	_____	_____	_____
3	_____	_____	_____	15	_____	_____	_____
4	_____	_____	_____	16	_____	_____	_____
5	_____	_____	_____	17	_____	_____	_____
6	_____	_____	_____	18	_____	_____	_____
7	_____	_____	_____	19	_____	_____	_____
8	_____	_____	_____	20	_____	_____	_____
	_____	_____	_____	21	_____	_____	_____
10	_____	_____	_____	22	_____	_____	_____
11	_____	_____	_____	23	_____	_____	_____
12	_____	_____	_____	24	_____	_____	_____

SITE CONDITIONS

PRECIPITATION:
NOW: None Fog Drizzle Sprinkle
 Rain Hail/Snow
 Last 24 hrs: None <1" >1" _____
 Last 72 hrs: None <1" >1" _____

ODOR: None Sulfides Sewage Smoke
 Petroleum Other: _____

Floatables _____ Settleables _____
 Vegetation _____ Staining _____

COLOR: Colorless Green Yellow Brown
 Other _____

CLARITY: Clear (see bottom) Cloudy Murky
Sheen Present: Yes No

TRASH: Yes No
 From: Flows Dumping Other: _____

Observations/Notes Photograph(s)

Dry, overcast

Additional sample(s) taken u/s, d/s (circle one or both and complete separate FDS(s)) at: _____





STATION ID: Click and choose Station ID **SAMPLE DATE (MM/DD/YYYY):** 09/13/2013

STATION NAME: Click and choose Station Name LINE E @ NEW CLAY **WATERSHED:** SAR SMR WWR

LOCATION (if not standard site): 902 MS4021 **Within:** Unincorp. or City of Murrieta

CONVEYANCE TYPE: OPEN CHANNEL Receiving Water Within IAH

GPS INFO: Lat _____ Long _____ GPS Unit: _____ Outfall, Owner: _____

PRINTED NAMES of Sampling Team: Bill Woolsey Other: _____

SIGNATURE of lead sampler: Bill Woolsey **Sampling AGENCY:** _____

SAMPLE INFORMATION VISITED, NOT SAMPLED (TIME: _____)

EVENT CATEGORY:
 Wet Weather (Storm) OR
 Dry Weather
 1st 2nd 3rd 4th
 Recon, IC/ID, or Complaint
 Other _____

No. of Samples: 0 **SAMPLE ID(s):** 1314-XX-XXXX-01, 1314-XX-XXXX-XX

STREAM FLOW:
 Dry: Yes No Ponded: Yes No
 Rising Groundwater: Yes No
 Connects to Surface Receiving Water Yes No
 Dry weather event u/s influence: Yes No

TYPE (check all that apply):
 Grab [SAMPLE TIME: NONE]
 Composite TIME: see below
 Travel Blank Field Blank Field DUP
 Other: _____

FIELD PARAMETERS Time Measured: _____

	Result	Units	Meter	Calibration Date
<input type="checkbox"/> Water Temp	_____	_____	_____	_____
<input type="checkbox"/> pH	_____	_____	_____	_____
<input type="checkbox"/> EC	_____	_____	_____	_____
<input type="checkbox"/> Turbidity	_____	_____	_____	_____
<input type="checkbox"/> DO	_____	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____	_____

SITE CONDITIONS

PRECIPITATION:
NOW: None Fog Drizzle Sprinkle
 Rain Hail/Snow
 Last 24 hrs: None <1" >1" _____
 Last 72 hrs: None <1" >1" _____

ODOR: None Sulfides Sewage Smoke
 Petroleum Other: _____

Floatables _____ Settleables _____
 Vegetation _____ Staining _____

COLOR: Colorless Green Yellow Brown
 Other _____

CLARITY: Clear (see bottom) Cloudy Murky
Sheen Present: Yes No

TRASH: Yes No
 From: Flows Dumping Other: _____

FLOW ESTIMATION:

USGS Gauge height/stage _____ ft Q (cfs) = _____
 [Gauge Name/No.: _____]

Calculation by visual measurement: Q (cfs) = _____
 = [Cofef(1, ²/₃, _____)] * [depth _____ ft] * [width _____ ft] * [vel _____ fps]

Circular pipe: [vel _____ fps][depth _____ ft][width _____ ft][R= _____ ft]

COMPOSITE Samples: Auto/Grab, Flow/Time Weighted, _____ Hrs

Time	H(in.)	Flow(cfs)	%	Time	H(in.)	Flow(cfs)	%
1	_____	_____	_____	13	_____	_____	_____
2	_____	_____	_____	14	_____	_____	_____
3	_____	_____	_____	15	_____	_____	_____
4	_____	_____	_____	16	_____	_____	_____
5	_____	_____	_____	17	_____	_____	_____
6	_____	_____	_____	18	_____	_____	_____
7	_____	_____	_____	19	_____	_____	_____
8	_____	_____	_____	20	_____	_____	_____
	_____	_____	_____	21	_____	_____	_____
10	_____	_____	_____	22	_____	_____	_____
11	_____	_____	_____	23	_____	_____	_____
12	_____	_____	_____	24	_____	_____	_____

Observations/Notes Photograph(s)

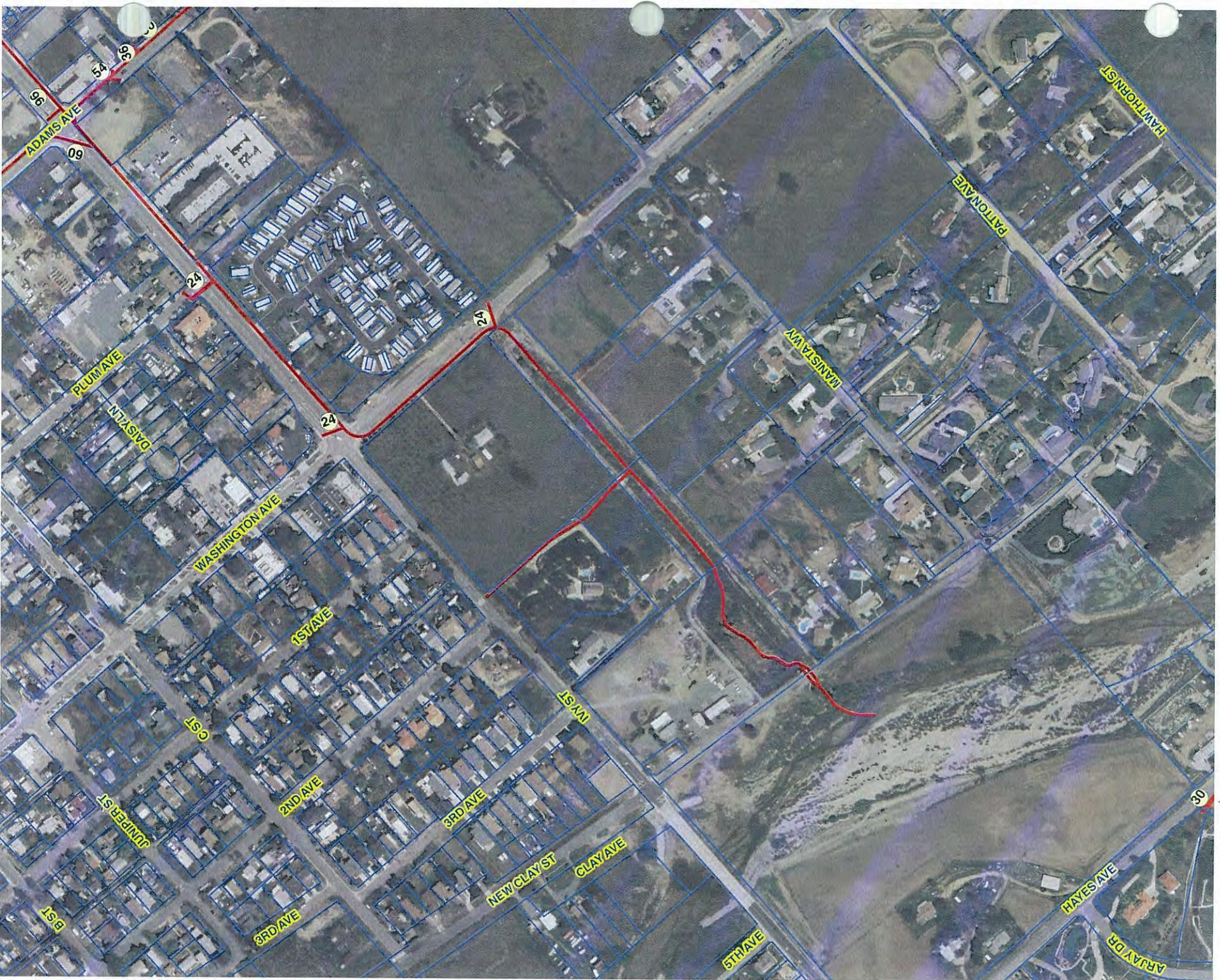
DRY - NO WATER PRESENT
NO SAMPLE TAKEN

Additional sample(s) taken u/s, d/s (circle one or both and complete separate FDS(s)) at:



LIN E 'E' UPSTREAM NEW CLAY ST 9.12.13 DRY





8. WORKPLANS (SECTION G of ORDER NO. R9-2010-0016)

1) Provide a summary of Workplans including priorities, strategy, implementation schedule and effectiveness evaluations. Section G of the 2010 SMR MS4:

The Upper Santa Margarita Watershed Water Quality Workplan (Watershed Workplan) has been developed in compliance with Section G of the San Diego Regional Water Quality Control Board's Order No. R9-2010-0016. The purpose of the Watershed Workplan is to:

- 1) Characterize the Receiving Water quality in the Upper Santa Margarita River Watershed's Receiving Waters
- 2) Identify and prioritize water quality problem(s) in terms of constituents by location in the Upper Santa Margarita River Watershed's Receiving Waters.
- 3) Identify the likely sources of the highest priority water quality problem(s) within the Upper Santa Margarita River Watershed.
- 4) Develop a watershed Best Management Practice (BMP) implementation strategy to attain Receiving Water Quality Objectives for the highest priority water quality problem(s).
- 5) Develop a strategy to monitor improvements in Receiving Water quality directly resulting from implementation of the BMP implementation strategy described in this Watershed Workplan.
- 6) Establish a schedule for development and implementation of the BMP and monitoring strategies outlined in this Watershed Workplan.

The Watershed Workplan is reviewed annually and updated to identify needed changes to prioritize water quality problem(s) listed in the Workplan.

Throughout Fiscal Year 2013-2014, the SMR Copermittees have been assessing the Watershed Workplan programs based upon the criteria set forth by CASQA. Section 12 of this JRMP Annual Report discusses the effectiveness of the implementation of the Watershed Workplan and the CASQA outcome levels achieved. The District and the Copermittees continue to implement the schedule as seen in Figure 1 of the Watershed Workplan that outlines implementation of various storm water programs.

**9. NON-STORMWATER DISCHARGES
(SECTION B.2 of ORDER NO. R9-2010-0016)**

- 1) Identify any non-stormwater discharge category listed in Requirement B.2 of Order No. R9-2010-0016 that was identified as a source of Pollutants to Waters of the U.S. during the reporting period. For each identified category, the Copermittee must report whether it elected to prohibit the discharge or to require BMPs to reduce Pollutants in the discharge to the MEP. If the discharge is not prohibited, the BMPs that will be implemented, or required to be implemented, are described below:

Non-Stormwater Discharge Categories (per Requirement B.2)	Source of Pollutant	Prohibited	Required BMPs
Diverted stream flows	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Rising ground waters	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Uncontaminated ground water infiltration [as defined at 40 CFR 35.2005(20)] to MS4s	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Uncontaminated pumped ground water	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Foundation drains	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Springs	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Water from crawl space pumps	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Footing drains	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Air conditioning condensation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Flows from riparian habitats and wetlands	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Water line flushing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Discharges from potable water sources not subject to NPDES Permit No. CAG679001, other than water main breaks	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Individual residential car washing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Dechlorinated swimming pool discharges	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

- 2) Provide a description of any updates to ordinances, orders, or similar means to prohibit non-storm water discharge categories identified under Section B.2 of the 2010 SMR MS4 Permit. No update to ordinance or municipal code were made.
- 3) Identify any control measures to be required and implemented for non-stormwater discharge categories identified as needing controls by the San Diego Water Board. There were no control measures required for non-stormwater discharge categories.

**9. NON-STORMWATER DISCHARGES
(SECTION B.2 of ORDER NO. R9-2010-0016) CONT.**

4) Provide a description of a program to address Pollutants from non-emergency firefighting flows identified by the City of Murrieta to be significant sources of Pollutants:

- Survey the area prior to the training exercise to ensure that debris will not enter the MS4 as a result of the flows generated during the drill.
- Direct water flows to landscape or green belt areas whenever possible.
- When practicable, divert flows to sanitary sewer with the permission of the local sewer agency.
- Use fog streams or straight streams for short durations when practicable.
- Use lower gallon per minute (GPM) nozzle settings.
- Live and simulated fire training should be conducted, where feasible, in facilities where runoff controls protecting the MS4 have been engineered and built into the facility.
- When conducting Maximum Capability Training (MCT) exercises, potable water sources may be used when runoff cannot be contained.
- Prevent discharge of foam or other additives to the MS4. If training activities involve the use of foam, block off all potentially affected storm drain inlets with plastic sheeting and sandbags or temporary berms.

**10. RECEIVING WATER LIMITATIONS
(SECTION A.3 of ORDER NO. R9-2010-0016)**

This section includes the report required pursuant to Requirement A.3.a.(1) of Order No. R9-2010-0016, if applicable.

Requirement A.3.a.(1) states:

“Upon a determination by either a Copermittee or the San Diego Regional Board that storm water MS4 discharges are causing or contributing to an exceedance of an applicable water quality standard, the Copermittee must notify the San Diego Regional Board within 30 days and thereafter submit a report to the San Diego Regional Board that describes BMPs that are currently being implemented and additional BMPs that will be implemented to prevent or reduce any Pollutants that are causing or contributing to the exceedance of Water Quality Standards. The report may be incorporated in the Annual Report unless the San Diego Regional Board directs an earlier submittal. The report must include an implementation schedule. The San Diego Regional Board may require modifications to the report;”

It has not been determined that storm water MS4 discharges are causing or contributing to an exceedance of an applicable water quality standard. Therefore, no report is provided.

11. FISCAL ANALYSIS
(SECTION H of ORDER NO. R9-2010-0016)

- 1) The following table provides estimated expenditures for the current reporting period, the preceding reporting period, and the next reporting period. This table identifies the expenditures (such as capital, operation and maintenance, education, and administrative expenditures) necessary to accomplish the activities described in the City of Murrieta JRMP as required under Section H.2 of the 2010 SMR MS4 Permit.

Program Element	Fiscal Year 2012-2013		Fiscal Year 2013-2014		Fiscal Year 2014-2015	
	Capital Expenditures	O&M/Admin Expenditures	Capital Expenditures	O&M/Admin Expenditures	Capital Expenditures	O&M/Admin Expenditures
Program Management						
Annual Fee for MS4 NPDES Permit						
Implementation Agreement Shared Cost	\$514,967		\$196,446		\$682,294	
Construction Inspections						
Development Planning						
Industrial and Commercial Inspections						
Illicit Connections & Illegal Discharges Program						
Municipal Facilities and Activities						
Public Education & Outreach						
Monitoring Program						
Retrofit Program						
Other	\$519,416		\$671,397		\$329,886	
Total	\$1,034,383	\$	\$867,843	\$	\$1,012,180	\$

11. FISCAL ANALYSIS
(SECTION H of ORDER NO. R9-2010-0016) CONT.

2) A description of the source(s) of funds that are proposed to meet the necessary expenditures for the subsequent year.

Source of Funds	Capital Expenditures	Percent of Total Program Funding	Restrictions on Use (if applicable)
CSA 152	\$455,000	52.6%	
General Fund	\$410,663	47.4%	

3) Provide a narrative description of circumstances resulting in a 25 percent or greater annual change for any budget line item.

The Implementation Agreement expenditures decreased in FY 2013/14 because the items came in less than expected. For instance, the Copermittes were able to use a lot of what South Orange County did in their HMP program which greatly reduced costs. See Attachment G for supporting documents.

11. FISCAL ANALYSIS
(SECTION H of ORDER NO. R9-2010-0016)

ATTACHMENT G



NPDES Fund

Fund Summary

<u>SOURCES</u>	<u>PROPOSED 2013-14</u>	<u>PROPOSED 2014-15</u>
Revenues:		
Assessments	455,000	455,000
Total Revenue	<u>455,000</u>	<u>455,000</u>
Use of Available Fund Balance	280,000	-
Transfers in from General Fund	132,943	457,180
Total Sources	<u>867,943</u>	<u>912,180</u>
 <u>USES</u>		
Expenditures:		
Personnel	102,954	103,916
Operations & Maintenance	753,457	797,478
Allocations	11,532	10,786
Total Uses	<u>867,943</u>	<u>912,180</u>

Fund 431

Department No. 6120



NPDES

	2010-11 Actual	2011-12 Actual	2012-13 Budget	2013-14 Budget	2014-15 Budget
REVENUES					
Assessments	390,305	708,718	615,000	455,000	455,000
Use of Money and Property	5,924	3,953	-	-	-
Transfers - In	-	-	-	132,943	457,180
Total Revenues	396,229	712,671	615,000	587,943	912,180
EXPENDITURES					
Personnel	99,032	95,675	107,916	102,954	103,916
Operations & Maintenance	272,132	626,449	915,450	753,457	797,478
Allocations	14,114	13,154	11,017	11,532	10,786
Transfers - Out	4,000	-	-	-	-
Total Expenditures	389,278	735,278	1,034,383	867,943	912,180

	2010-11 Actual	2011-12 Actual	2012-13 Budget	2013-14 Budget	2014-15 Budget
PERSONNEL					
Civil Engineering Associate	0.50	0.50	0.50	0.50	0.50
Senior Public Works Inspector	0.00	0.00	0.00	0.00	0.00
Public Works Lead Maintenance Worker	0.50	0.50	0.50	0.50	0.50
Total Personnel	1.00	1.00	1.00	1.00	1.00
Frozen Positions					
(.25) Senior Public Works Inspector					



NPDES

Fund 431

Department No. 6120

Account Detail	2013-14 Budget	2014-15 Budget
60480 Contract Svcs-Other		
Mandated Reports Programming	36,056	37,239
Santa Ana Implementation	12,500	24,125
Santa Margarita Implementation	582,795	582,795
SWRCB MS4 Permit Fee	12,131	13,344
60560 Contract Svcs-Street Sweeping		
Street Sweeping	60,000	80,000
62440 Other-Special Dept Expenditure		
Storm Water Program Outreach	1,000	1,000
64360 Training & Development		
Public Works Staff NPDES Trng	1,000	1,000



NPDES

	2010-11 Actual	2011-12 Actual	2012-13 Budget	2013-14 Budget	2014-15 Budget
Revenues					
43060 Interest-Income	5,924	3,953	-	-	-
48120 Spec Assess-Rates & Charges	390,305	708,718	615,000	455,000	455,000
Total Revenue	396,229	712,671	615,000	455,000	455,000
Transfers In					
82220 Transfer In General Capital	-	-	-	132,943	457,180
Total Transfers In	-	-	-	132,943	457,180
Total Revenue & Transfers In	396,229	712,671	615,000	587,943	912,180
Expenditures					
Personnel					
51020 Salary & Wages	62,921	58,697	66,055	66,064	66,064
51040 Overtime	1,328	1,275	-	-	-
51140 Leave-Holiday Buyout	961	-	-	-	-
52200 Allowance-Mobile Communication	240	249	240	240	240
52400 Benefit-ADD/ Life Insurance	164	178	266	184	184
52450 Benefit-Worker's Compensation	-	2,551	4,213	3,395	3,225
52700 Benefit-Deferred Compensation	600	623	600	600	600
52800 Benefit-Dental	684	1,452	1,594	1,438	1,585
53000 Benefit-Short/Long Term Disability	479	590	561	573	573
53300 Benefit-PERS Health	16,865	13,308	16,443	16,584	16,932
53400 Benefit-PERS Retirement	13,636	15,395	16,501	12,460	13,081
53600 Benefit-Vision	213	427	482	455	471
53700 Taxes-FICA/Medicare Employer	941	930	961	961	961
Total Personnel	99,032	95,675	107,916	102,954	103,916
Operations & Maintenance					
60200 Contract Svcs-Audit	-	333	-	-	-
60400 Contract Svcs-Implementation	13,853	-	-	-	-
60440 Contract Svcs-Legal	4,290	27,784	10,000	5,000	5,000
60480 Contract Svcs-Other	183,203	547,943	795,450	643,482	657,503
60560 Contract Svcs-Street Sweeping	67,006	46,974	55,000	60,000	80,000
60720 Contract Svcs-Underground/Ope	-	-	40,000	30,000	40,000
62320 Other-Contingency	160	303	5,000	4,975	4,975
62440 Other-Special Dept Expenditure	-	-	1,000	1,000	1,000
62720 Printing	-	106	-	-	-
62800 Prior Period Expense	-	2,526	-	-	-
64040 Supplies-Maintenance	3,620	480	8,000	8,000	8,000
64360 Training & Development	-	-	1,000	1,000	1,000
Total Operations & Maintenance	272,132	626,449	915,450	753,457	797,478

(continued on next page)

**12. ASSESSMENT AND RESPONSE REPORTING
(SECTION J.3 of ORDER NO. R9-2010-0016)**

- 1) The following is the City of Murrieta summary of its effectiveness assessments as required under Section J.3 of the 2010 SMR MS4 Permit.
 - a) *The results of each of the effectiveness assessments performed pursuant to J.1.b, including the demonstrated CASQA effectiveness level(s);*

12.1.a.1 Illicit Discharge Detection and Elimination Effectiveness Assessment

Table 12-1: Illicit Discharge Detection and Elimination Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Number of IC/ID reports received (F.4.e.(3))	33	Level 3
Percentage/Number of Dry Weather Source ID Efforts that were completed and Findings	10	Level 3
Estimated volume of anthropogenic trash removed from City of Murrieta MS4 facilities (tons) (F.3.a.(6)(b)(vi))	99 Tons	Level 4

12.1.a.2 Municipal Areas and Activities Effectiveness Assessment

Table 12-2: Municipal Areas and Activities Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Percent/Number of City of Murrieta facilities with appropriate BMPs identified (F.3.a.(2)(b)) (see JRMP pages 33-40)	90%	Level 2
Number of City of Murrieta facility and MS4 operators and maintenance staff that attended Municipal training (F.6.b.(1))	24	Level 2
Estimated tons of Waste removed by City of Murrieta street sweeping, (F.3.a.(5))	1877 tons	Level 4
Estimated tons of Waste removed from City of Murrieta Open Channels (F.3.a.(6)(b))	10.0 tons	Level 4
Estimated tons of Waste removed from City of Murrieta storm drain inlets (F.3.a.(6)(b))	6.545 tons	Level 4

**12. ASSESSMENT AND RESPONSE REPORTING
(SECTION J.3 of ORDER NO. R9-2010-0016)**

12.1.a.3 Development Planning Effectiveness Assessment

Table 12-3: Development Planning Program Effectiveness

Measureable Metric Collected	Data	CASQA Outcome Level
Number of acres of Redevelopment projects that incorporated LID-based BMPs that are built and completed (F.1.f.(1)) – Guava St. CIP	3 Acres	Level 5
Number of applicable planning staff that attended WQMP training (F.6.b.(1))	0	N/A

12.1.a.4 Private Development Construction Activity Effectiveness Assessment

Table 12-4: Private Development Construction Activity Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Construction Site inventory updated (F.2.b.) Sites were prioritized	See Attachment B	Level 3
Number of construction inspection staff that attended Construction training (F.6.b.(b))	1	Level 2

12.1.a.5 Industrial and Commercial Effectiveness Assessment

Table 12-5: Industrial and Commercial Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Industrial and Commercial Facilities inventory updated (F.3.b.(1)(a))	0	N/A
Number of applicable Industrial and Commercial Facility inspection staff that attended Industrial-Commercial training (F.6.b.(1)(c))	2	Level 2

**12. ASSESSMENT AND RESPONSE REPORTING
(SECTION J.3 of ORDER NO. R9-2010-0016)**

12.1.a.6 Residential Effectiveness Assessment

Table 12-6: Residential Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Gallons of used oil collected at collection events (F.3.c.(2)(c))	142,000 gal*	Level 4
Total pounds collected at HHW/ABOP events (F.3.c.(2)(c))	1,267,401 lbs*	Level 4

*SMR data, not Copermittee specific

12.1.a.7 Retrofit Program Effectiveness Assessment

Table 12-7: Retrofit Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Number of times the Retrofit Program has identified a potential solution to a specific identified problem	1	Level 4

12.1.a.8 Public Education Effectiveness Assessment

Table 12-8: Public Education Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Number of outreach events to schools	6*	Level 2
Number of Public Events where outreach was conducted	16*	Level 2
Pounds of trash removed through watershed cleanup events - December 7, 2013 Community Cleanup	11 tons	Level 4
Number of home improvement stores provided outreach / customer education information for pesticide use	5 / 3*	Level 2
Number of E-Newsletters signups	60	Level 2

12. ASSESSMENT AND RESPONSE REPORTING (SECTION J.3 of ORDER NO. R9-2010-0016)

% of E-Newsletters clicked	26%**	Level 2
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*SMR data, not Copermittee specific; **SMR Quarterly Average

12.1.a.9 Watershed Workplan Effectiveness Assessment

Table 12-9: Watershed Workplan Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Annual Public Review Meeting conducted	1	Level 1
Updated Characterization of Receiving Water Quality	(See Below)	Level 1
Updated prioritization of water quality problems	(Refer to SMR Annual Monitoring Report, Table 41)	Level 1
Descriptions of likely sources updated	(Refer to SMR Monitoring Annual Report, Section 5.3)	Level 1
Updated BMP Implementation Strategy	(See Below)	Level 1
BMPs implemented according to schedule	(See Below)	Level 1
Number of Collaborative Meetings Attended	4	Level 2

Updated Characterization of Receiving Water Quality:

Overall, water quality conditions in SMR receiving waters appear to be getting better, based on the number of Clean Water Act (CWA) Section 303(d)-listed constituents in the Upper Santa Margarita River Watershed with statistically significant downward trends. Pollutants with upward trends are in the process of being addressed by the Copermittees through their management programs and activities. Samples exhibiting toxicity are no longer persistent at the mass loading stations, largely attributed to the decreasing detections of pesticides. While all So Call IBI scores have been trending downward, there is a direct correlation, particularly at Temecula Creek, that the So Cal IBI scores may be impacted by multiple years or drought.

Updated BMP Implementation Strategy:

The City of Murrieta is implementing the current BMP Implementation Strategy per Section 4 of the Upper Santa Margarita River Watershed Workplan.

12. ASSESSMENT AND RESPONSE REPORTING (SECTION J.3 of ORDER NO. R9-2010-0016)

BMPs Implemented According to Schedule:

There are no new BMP's scheduled. However, the city is incorporation water quality BMP's in their CIP projects.

- b) **Response to effectiveness assessments:** A description of any program modifications planned in accordance with Section J.2, including the work plan and identified schedule for implementation. The description must include the basis of determining that each modified activity and/or BMP represents an improvement expected to result in improved water quality;

- c) **A description of any steps to be implemented to improve the City of Murrieta ability to assess program effectiveness.** – the City will strive to increase the effectiveness levels.

13. CONCLUSIONS

The City feels that they are conducting a good stormwater program however, more effort will be put into educating the public that irrigation runoff is prohibited, conducting more inspections on constructed Priority Development Projects with BMP's, make updates to the Stormwater Ordinance, JRMP, Municipal Code, and possibly the Grading Manual.

Overall, water quality conditions in SMR receiving waters appear to be getting better, based on the number of Clean Water Act (CWA) Section 303(d)-listed constituents in the Upper Santa Margarita River Watershed with statistically significant downward trends. Pollutants with upward trends are in the process of being addressed by the Copermittees through their management programs and activities. Samples exhibiting toxicity are no longer persistent at the mass loading stations, largely attributed to the decreasing detections of pesticides. While all So Cal IBI scores have been trending downward, there is a direct correlation, particularly at Temecula Creek, that the So Cal IBI scores may be impacted by multiple years or drought.

14. RECOMMENDATIONS

2. **Construction** – implement the lessons learned from the construction inspection audit report by the San Diego Water Board.
4. **Industrial / Commercial** – hire a new Civil Engineer Associate to take over the business and post-construction BMP inspections.
5. **Residential** – educate the public that irrigation runoff is an illicit discharge. Create a education flyer that emphasizes, provides most common simple solutions (reduce timing, inspect / replace / adjust irrigation head) and use this opportunity to include other educational information such as pools/spas, lawn debris/fertilizers/Pyrethroids, Household Hazardous Waste collection facility, Waste Management bulk item pick up. Try getting the high school volunteers looking for community credits to graduate to hand out the flyers.
8. **Workplans** – explore the possibility of designing a temporary regional BMP that will capture and clean stormwater runoff. The BMP could provide a resting stop for migratory birds. Then seek grant money to help fund the project. The project must meet the goals of the Watershed Workplan.

APPENDIX A: ANNUAL REPORT CHECKLIST

Annual Report Summary Checklist	
Order Requirements	
Were All Requirements of Order No. R9-2010-0016 met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Construction	
Number of Active Sites	15
Number of Inactive Sites	8
Number of Sites Inspected	23
Number of Violations	12
Number of Construction Enforcement Actions Taken – written notice only	2
New Development	
Number of Development Plan Reviews	4
Number of Grading Permits Issued	17
Number of Projects Exempted from Interim/Final Hydromodification Requirements – the City required interim Hydromod on all PDP projects	0
Post Construction Development	
Number of Priority Development Projects	2
Number of SUSMP Required Post-Construction BMP Inspections	13
Number of SUSMP Required Post-Construction BMP Violations	0
Number of SUSMP Required Post-Construction BMP Enforcement Actions Taken	0
Illicit Discharges and Connections	
Number of IC/IC Inspections – dry weather inspections	10
Number of IC/ID Detections by Staff	0
Number of IC/ID Detections from the Public & Code Enforcement	33
Number of IC/ID Eliminations -- Creekside Basin outlet	33
Number of IC/ID Violations	0
Number of IC/ID Enforcement Actions Taken -- Citation	60
MS4 Maintenance	
Number of Inspections Conducted (inlets)	1331
Amount of Waste Removed (inlets)	6.545 tons

14. RECOMMENDATIONS

Total Miles of MS4 Inspected (streets)	996 miles
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APPENDIX A: ANNUAL REPORT CHECKLIST CONT.

Annual Report Summary Checklist (cont.)	
<u>Municipal/Commercial/Industrial</u>	
Number of Facilities	1875
Number of Inspections Conducted	1286
Number of Facilities Inspected	1395
Number of Violations	0
Number of Enforcement Actions Taken	0

I certify under penalty of law that this Annual Report Summary Checklist was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signed: _____



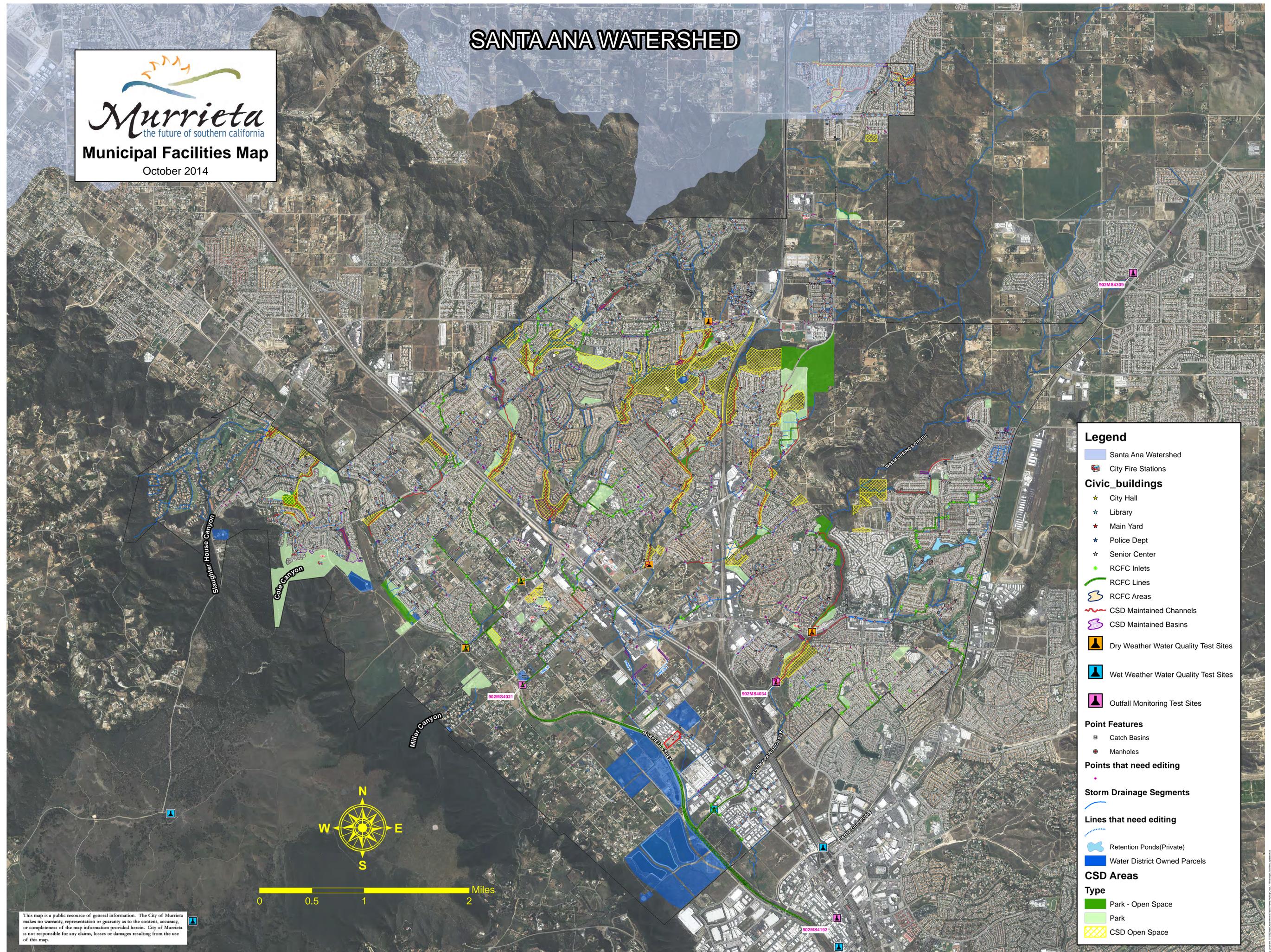
ROBERT K. MOEHLING, P.E.
CITY ENGINEER

SANTA ANA WATERSHED



Murrieta
the future of southern california

Municipal Facilities Map
October 2014



Legend

- Santa Ana Watershed
- City Fire Stations
- Civic_buildings**
 - City Hall
 - Library
 - Main Yard
 - Police Dept
 - Senior Center
 - RCFC Inlets
 - RCFC Lines
 - RCFC Areas
 - CSD Maintained Channels
 - CSD Maintained Basins
 - Dry Weather Water Quality Test Sites
 - Wet Weather Water Quality Test Sites
 - Outfall Monitoring Test Sites
- Point Features**
 - Catch Basins
 - Manholes
- Points that need editing**
- Storm Drainage Segments**
- Lines that need editing**
 - Retention Ponds(Private)
 - Water District Owned Parcels
- CSD Areas**
- Type**
 - Park - Open Space
 - Park
 - CSD Open Space

This map is a public resource of general information. The City of Murrieta makes no warranty, representation or guaranty as to the content, accuracy, or completeness of the map information provided herein. City of Murrieta is not responsible for any claims, losses or damages resulting from the use of this map.

**SANTA MARGARITA WATERSHED NPDES
MUNICIPAL STORMWATER PERMIT
(NPDES No. CAS0108766)**

**JURISDICTIONAL RUNOFF
MANAGEMENT PROGRAM (JRMP)
ANNUAL REPORT**

FOR

**CITY OF WILDOMAR
FISCAL YEAR 2013 – 2014**

October 31, 2014

Certification

- I. Executive Summary
- II. Introduction
 - 1. Development Planning
 - 2. Construction
 - 3. Municipal
 - 4. Industrial/Commercial
 - 5. Residential
 - 6. Retrofitting Existing Development
 - 7. Illicit Discharge Detection and Elimination
 - 8. Workplans
 - 9. Non-Stormwater Discharges
 - 10. Receiving Water Limitations
 - 11. Fiscal Analysis
 - 12. Assessment and Response Reporting
 - 13. Conclusions
 - 14. Recommendations
- Attachment A Annual Report Checklist
- Attachment B Post-Construction BMP Database
- Attachment C City Ordinance/Municipal Code Updates
- Attachment D Construction Site Inventory
- Attachment E Commercial and Industrial Facilities
- Attachment F Educational Brochures
- Attachment G Retrofit Program Framework Diagram

ORDER NO. R9-2010-0016

Submitted to

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION**

CERTIFICATION



I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signed: _____

A handwritten signature in blue ink, appearing to be 'Dan York', is written over a horizontal line.

Dan York
Director of Public Works

[Note: per Attachment B: Standard Provisions, Reporting Requirements and Notifications, provision 5.(b)(2) of the 2010 SMR MS4 Permit: [Applications [40CFR 122.22(a)(3)] All permit applications shall be signed by either a principal executive officer or ranking elected official.]

I. EXECUTIVE SUMMARY

This Annual Report describes the storm water management program for the City of Wildomar (City) Fiscal Year 2013/2014, July 1, 2013 through June 30, 2014. This Annual Report is intended to document the programs the City has implemented to comply with the requirements of the municipal separate storm sewer system permit (MS4 Permit) issued to the Santa Margarita Watershed Permittees by the San Diego Regional Water Quality Control board on July 14, 2004. The City did not incorporate until July 1, 2008, so it was not a permittee at the time the MS4 Permit was issued.

The City has a population of 32,176 people (as of 2010)^[1] and encompasses approximately 23.7 square miles, with 31% draining to the Santa Ana River Watershed, and 69% draining to the Santa Margarita River Watershed. In 2010, the City requested that the San Diego Regional Water Quality Control Board be named as the regulator for all portions of the city including those portions in the Santa Ana River Watershed. This request was approved by the Regional Water Quality Control Board in a letter dated September 28, 2010.

During the reporting period, the City reviewed and approved for entitlement two priority development projects requiring project specific Water Quality Management Plans (WQMP). The City also reviewed and approved three priority development projects for construction and/or grading activities and accepted their WQMPs. The entitlement projects reviewed and approved include a 10-lot single family residential development (TTM 36519/PA 12-0392) and a 7-parcel commercial/retail development (TPM 30522/PA 10-0301). The projects reviewed and approved for construction include an 84-lot single family residential development (TTM 32535/Project 13-0058), a 102-lot single family residential development (TTM 25122/Project 13-0030), and a single parcel commercial/retail development (PP 10-0222/Project 13-0109). Two of the three projects approved for construction were issued grading permits and commenced grading activities during the reporting period. Other projects were also under review for entitlement approval or construction approval but did not receive approval during the reporting period. The City also conducted inspections for thirteen (13) construction project sites, ten (10) of which were active.

The City swept a total of 2,575.44^[2] curb miles of streets and cleaned 278 catch basins, preventing 489 cubic feet of debris (catch basins: including soil, vegetation, and litter) plus 135.05 tons (street sweeping) from reaching the MS4 outfalls. The City inspected construction sites during the reporting period according to the schedule set forth in the City's MS4 permit and issued several written warnings to developers. No high level enforcement actions were taken by the City. The State Water Resources and Quality Control Board (SWRQCB) performed several inspections within the City's jurisdiction during the reporting period and issued Notices of Violations to developers within the City. The City performed one (1) Industrial and Commercial inspection during the reporting period. The County performed three (3) Industrial and Commercial inspections within the City's jurisdiction during the reporting period. The City also responded to five (5) IC/ID incidents and followed-up accordingly.

The City participated in two (2) community events at which public information booths were present for stormwater pollution prevention education. The City's three (3) parks re-opened during the reporting period, after being closed for several years. The City has assessed the parks' post-construction BMPs and has budgeted to repair the BMPs to ensure that they are functional and effective.

I. EXECUTIVE SUMMARY

As the City continues to see development and growth, staff is continuing to assess and update the stormwater management program to improve the City's monitoring and program implementation.

[1] <http://quickfacts.census.gov/qfd/states/06/0685446.html>

[2] Sweeping only includes County Service Area (CSA) sweeping and street sweeping by CR&R Environmental Services. Value does not include street sweeping performed by franchise agreement with Waste Management.

II. INTRODUCTION

The City of Wildomar (City) is located primarily within the Santa Margarita River Watershed (SMR), with portions of the City located within and draining into the Santa Ana River Watershed (SAR). The City incorporated in July 2008 and in 2010, the City requested that the San Diego Regional Water Quality Control Board be named as the regulator for all portions of the city including those portions in the Santa Ana River Watershed. This request was approved by the Regional Water Quality Control Board in a letter dated September 28, 2010. The City's storm water management (NPDES) program is administered by the Public Works and Engineering Department. The Public Works and Engineering Department manages and administers the NPDES program as specified in the City's Jurisdictional Runoff Management Plan (JRMP) and in compliance with the MS4 Permit. The program implementation is addressed through items such as development planning, construction inspections, municipal facility management, industrial and commercial inspections, residential outreach and response, illicit discharge detection and elimination, and SMR Workplan participation. The remainder of this report provides details regarding the City's implementation of the NPDES program during the reporting period (FY 2013-2014).

**1. DEVELOPMENT PLANNING
(SECTION F.1. of ORDER NO. R9-2010-0016)**

New Development

1) General Plan/Environmental Review K.3.c.(4)1

a) Description of any amendments/updates to the General Plan as required by Section F.1.a. of the 2010 SMR MS4 Permit:

There were no updates to the City's General Plan during the reporting period. The City is currently working on its General Plan update. Adoption of the update is expected to occur during the first quarter of 2015. The General Plan includes policies which encourage water conservation, runoff reduction (by reduction of impervious areas), drought-resistant landscaping, educational outreach, minimization of pollutant discharges, incorporation of natural drainage systems in developments, and on-site or near-site stormwater retention. The updates also include provisions for establishing and maintaining regulations regarding water preservation.

b) Description of any amendments/updates to the environmental review process as required by Section F.1.b. of the 2010 SMR MS4 Permit.

The development environmental review process is managed by the State. City staff and consultant staff review projects accordingly. The City routinely requires EIRs to be prepared for development projects.

c) Description of any planned updates to the General Plan or the environmental review process within the next Annual Reporting period as required by Sections F.1.a.&b of the 2010 SMR MS4 Permit.

The City is currently working on its General Plan update. Adoption of the update is expected to occur during the first quarter of 2015. The General Plan includes policies which encourage water conservation, runoff reduction (by reduction of impervious areas), drought-resistant landscaping, educational outreach, minimizing pollutant discharges, incorporation of natural drainage systems in developments, and on-site or near-site stormwater retention. The updates include provisions for establishing and maintaining regulations regarding water preservation.

The City also anticipates developing its own local CEQA guidelines in the coming year.

2) SSMP status as required under Section F.1.d. of the 2010 SMR MS4 Permit K.3.c.(4)2.

The Santa Margarita Copermittees submitted a SSMP (Water Quality Management Plan (WQMP) to the Regional Water Quality Control Board (RWQCB) in June 2012. A letter of "Conditional Finding of Adequacy" from the RWQCB was received on September 16, 2013. The Copermittees resubmitted the SSMP and received Conditional Approval on May 12, 2014. The new SSMP became effective on July 11, 2014.

Description of all revisions to the SSMP, including where applicable:

a) Identification and summary of where the SSMP fails to meet the requirements of the 2010 SMR MS4 Permit as required under Section F.1.d. of the 2010 SMR MS4 Permit:

The 2014 Model SSMP/WQMP complies with the 2010 SMR MS4 Permit and received

1. DEVELOPMENT PLANNING (SECTION F.1. of ORDER NO. R9-2010-0016), CONT

Conditional Approval from the RWQCB on May 12, 2014. The SSMP became effective on July 11, 2014.

b) Updated procedures for identifying Pollutants of Concern for each Priority Development Project as required under Section F.1.d.(3) of the 2010 SMR MS4 Permit:

The new (2014) SMR WQMP (SSMP), approved by the RWQCB on April 8, 2014, sets forth the following procedures for developers to identify Pollutants for Concern for Priority Development Projects (PDP):

1. Identify Receiving Waters – Use the most recent version of the Water Quality Control Plan for the in the San Diego Region Basin to determine the PDPs proximate Receiving Waters. This information can be accessed from the following site:
 - a. http://www.waterboards.ca.gov/sandiego/water_issues/programs/basin_plan/
2. Identify Impairments in those Receiving Waters by Reviewing:
the 303(d) listings for all downstream Receiving Waters:
 - a. http://waterboards.ca.gov/santaana/water_issues/programs/tmdl/303d.shtml
and any Pollutants being addressed by an adopted TMDL:
 - b. http://waterboards.ca.gov/santaana/water_issues/programs/tmdl/
3. Identify Pollutants associated with your site/project - This includes legacy Pollutants that may be present on the project site, as well as Pollutants that are listed for the category of development on [the table] below. That table may be updated by the Copermittees periodically based on updated studies and information. Updates will be reported in the JRMP Annual Report to the San Diego Regional Board submitted by the Copermittee with Jurisdiction over the project site, and reflected in an update to this WQMP.

**1. DEVELOPMENT PLANNING
(SECTION F.1. of ORDER NO. R9-2010-0016), CONT**

Priority Development Project Categories and/or Project Features (check those that apply)	General Pollutant Categories							
	Bacterial Indicators	Metals	Nutrients	Pesticides	Toxic Organic Compounds	Sediments	Trash & Debris	Oil & Grease
Detached Residential Development	P	N	P	P	N	P	P	P
Attached Residential Development	P	N	P	P	N	P	P	P ⁽²⁾
Commercial/Industrial Development	P ⁽³⁾	P	P ⁽¹⁾	P ⁽¹⁾	P ⁽⁵⁾	P ⁽¹⁾	P	P
Automotive Repair Shops	N	P	N	N	P ^(4,5)	N	P	P
Restaurants (>5,000 ft ²)	P	N	N	N	N	N	P	P
Hillside Development (>5,000 ft ²)	P	N	P	P	N	P	P	P
Parking Lots (>5,000 ft ²)	P ⁽⁶⁾	P	P ⁽¹⁾	P ⁽¹⁾	P ⁽⁴⁾	P ⁽¹⁾	P	P
Retail Gasoline Outlets	N	P	N	N	P	N	P	P

P = Potential

N = Not Potential

⁽¹⁾ *A potential Pollutant if non-native landscaping exists or is proposed onsite; otherwise not expected*

⁽²⁾ *A potential Pollutant if the project includes uncovered parking areas; otherwise not expected*

⁽³⁾ *A potential Pollutant is land use involving animal waste*

⁽⁴⁾ *Specifically petroleum hydrocarbons*

⁽⁵⁾ *Specifically solvents*

⁽⁶⁾ *Bacterial indicators are routinely detected in pavement runoff*

c) Updated Treatment Control BMP ranking matrix as required by Section F.1.d.(6)(b)(i) of the 2010 SMR MS4 Permit:

The new Model WQMP (SSMP) approved by the RWQCB includes a BMP Selection Matrix that prioritizes LID BMPs in this order: Harvest and Use, Infiltration, Permeable Pavement, Bioretention, and Biotreatment.

d) Updated site design and Treatment Control BMP design standards as required by Sections F.1.d.(4)(c)(i) and F.1.d.(6)(b)(ii) of the 2010 SMR MS4 Permit.

The new Model WQMP (SSMP) approved by the RWQCB includes updated BMP design standards.

3) Priority Development Projects K.3.c.(4)3

a) The City of Wildomar reviewed and approved five (5) Priority Development Projects during the reporting period. The projects include:

i. Entitlement Approval:

**1. DEVELOPMENT PLANNING
(SECTION F.1. of ORDER NO. R9-2010-0016), CONT**

- a. 10-lot Single Family Residential Subdivision (TTM 36519/PA 12-0392)
- b. 7-parcel Commercial/Retail Development (TPM 30552/PA 10-0301)
- ii. Grading/WQMP Approval/Acceptance:
 - a. Commercial-Retail Center (PP 10-0222/Project 13-0109)
 - *Grading and Improvement Plan Approval, WQMP Acceptance*
 - b. 84-lot Single Family Residential Subdivision (TTM 32535/PA 13-0078)
 - *Grading and Improvement Plan Approval, WQMP Acceptance*
 - c. 102-lot Single Family Residential Subdivision (TTM 25122/PA 13-0120)
 - *Grading Plan Approval, WQMP Acceptance*

b) The following LID and Source Control BMPs were required as applicable approved Priority Development Projects as required by the 2010 SMR MS4 Permit:

Reference	LID BMP Requirements
F.1c.(2)(a)	Conserve natural areas, including existing trees, other native vegetation, and soils.
F.1c.(2)(b)	Construct streets, sidewalks, or parking lots aisles to the minimum widths necessary, provided that public safety is not compromised.
F.1c.(2)(c)	Minimize the impervious footprint of the project
F.1c.(2)(d)	Minimize soil compaction to landscaped areas
F.1c.(2)(e)	Minimize disturbances to natural drainages
F.1c.(2)(f)	Disconnect impervious surfaces through distributed pervious areas
F.1c.(2)(b)(i)	Maintain or restore natural storage reservoirs and drainage corridors (including depressions, areas of permeable soils, swales, and ephemeral and intermittent streams)
F.1c.(2)(b)(ii)	Construct pervious areas to effectively receive and infiltrate, retain and/or treat Runoff from Pervious areas, and to minimize soil compaction in these areas
F.1c.(2)(b)(iii)	Construct low-traffic areas with permeable surfaces, where appropriate soil conditions exist
F.1c.(2)(c)(i)	Structural Infiltration BMPs
F.1c.(2)(c)(i)	Structural Harvest and Use BMPs
F.1c.(2)(c)(ii)	Structural Bioretention BMPs

	Source Control BMP Requirements
F.1.d.(5)(a)	Prevent illicit discharges into the MS4
F.1.d.(5)(b)	Minimize storm water pollutants of concern in runoff
F.1.d.(5)(c)	Eliminate irrigation runoff
F.1.d.(5)(d)	Include storm drain system stenciling or signage
F.1.d.(5)(e)	Include properly designed outdoor material storage areas
F.1.d.(5)(f)	Include properly designed outdoor work areas
F.1.d.(5)(g)	Include properly designed trash storage areas
F.1.d.(5)(h)	Include water quality protection requirements applicable to individual priority project categories

**1. DEVELOPMENT PLANNING
(SECTION F.1. of ORDER NO. R9-2010-0016), CONT**

- c) **The following process was implemented to verify that Site Design, Source Control, and Treatment Control BMPs were required on all applicable Priority Development Projects as required under Section F.1.d.(9) of the 2010 SMR MS4 Permit:**

All project applications submitted to the Planning Department are routed to the Engineering Department for review and comment prior to project conditioning and/or approval. The application packet includes a WQMP Applicability Checklist to inform the applicant of whether or not a WQMP (SSMP) will be required. The Engineering Department is responsible for reviewing the applications, confirming if the project is a Priority Development Project and a WQMP is required, and reviewing WQMPs for compliance with the MS4 Permit during entitlement review and grading and improvement plan review. During this year, the 2014 Model WQMP was not approved until April and was not enforced until July 2014. Consequently, projects during the reporting period were reviewed for compliance with the 2004 MS4 Permit.

- 4) **Following are the names and locations of all Priority Development Projects that were granted a waiver from implementing LID BMPs pursuant to Section F.1.d.(4) of the 2010 SMR MS4 Permit K.3.c.(4)4:**

None

- 5) **Treatment Control BMPs K.3.c.(4)5**

- a) **A current copy of the City of Wildomar’s BMP maintenance tracking database of approved Treatment Control BMPs and Treatment Control BMP maintenance required under F.1.f.(1) of the 2010 SMR MS4 Permit is attached (Attachment B). This database includes an identification of all high-priority Priority Development Projects that have a final approved Project-Specific WQMP and their structural post-construction BMPs implemented since July 2005.**

Please note, this database is being updated and may not include all approved and constructed post-construction BMPs.

- b) **The City of Wildomar verifies that the following structural post-construction BMPs on the inventoried WQMP projects have been implemented, are maintained, and are operating effectively through inspections, self-certifications, surveys, or other equally effective approaches as required under the 2010 SMR MS4 Permit:**

Reference	LID BMP Requirements
F.1c.(2)(a)	The implementation, operation, and maintenance of all (100 percent) approved and inventoried final public and private Project-Specific WQMPs are verified every five years
F.1c.(2)(b)	All (100 percent) projects with BMPs that are high priority are issued self-

**1. DEVELOPMENT PLANNING
(SECTION F.1. of ORDER NO. R9-2010-0016), CONT**

	certification letters annually^{[a][b]}.
F.1c.(2)(c)	All (100 percent) of the Priority Development Projects with BMPs are issued self-certification letters annually^{[a][b]}.
F.1c.(2)(d)	As appropriate, the City of Wildomar coordinates its inspections with the facility inspections implemented pursuant to Section F.3 of the 2010 SMR MS4 Permit
F.1c.(2)(e)	For verifications performed through a means other than direct inspection by the City of Wildomar, adequate documentation is required to provide assurance that the required maintenance has been completed
F.1c.(2)(f)	Appropriate follow-up measures (including re-inspections, enforcement, maintenance. Etc.) are conducted to ensure the Treatment Control BMPs continue to reduce Storm Water Pollutants as originally designed
F.1c.(2)(b)(i)	Inspections note observations of vector conditions, such as mosquitoes. Where conditions are identified as contributing to mosquito production, the City of Wildomar notifies its local vector control agency.

[a] The City issued self-certification letters for owners/responsible parties of facilities with post-construction BMPs. Four (4) of seven (7) total owners responded. Only one (1) owner addressed the development’s post-construction BMPs. This owner performed maintenance on the BMPs appropriately to correct violations.

[b] The City implements self-certifications as a method to ensure that post-construction BMPs are maintained. City inspections for post-construction BMP facilities will be scheduled under the City’s Stormwater Facilities BMP Maintenance Agreement, an agreement which is part of Project WQMPs, or as the City receives business registrations for those business, facilities, or entities who are legally responsible for post-construction BMPs.

6) The following Priority Development Projects have been required to implement hydrologic control measures to protect downstream Beneficial Uses and prevent adverse physical changes to downstream channels in compliance with Section F.1.h of the 2010 SMR MS4 Permit K.3.c.(4)6:

Name	Location	Planned Management Measures
TTM 36519/PA 12-0392 Lesle Tract Map 10-lot Single Family Residential Subdivision	34915 Orange St. Wildomar, CA Sedco Tract 1, Lot 48	Infiltration Trenches to mitigate excess post-development runoff volumes. <i>Note: Final WQMP currently in plan review.</i>
TPM 30522/PA 10-0301 Bundy at Orange Commercial Site	SEC Bundy Canyon Road at Orange Street	Sand Filter Basin

**1. DEVELOPMENT PLANNING
(SECTION F.1. of ORDER NO. R9-2010-0016), CONT**

<p>TTM 32535/Project 13-0058 North Ranch 81-lot Single Family Residential Subdivision</p>	<p>North of the intersection of Clinton Keith Rd. and Stable Lanes Rd.</p>	<p>Infiltration Basin Detention Basin Catch Basin Inlet Filter <i>Note: BMPs are not specifically for HCOC</i> <i>Note: Under construction</i></p>
<p>TTM 25122/Project 13-0030 Rancho Fortunado I 102-lot Single Family Residential Subdivision</p>	<p>SWC of the intersection of Palomar St. and McVicar Sr.</p>	<p>Three (3) detention basins Filterra units Catch Basin Inlet Filters <i>Note: BMPs are not specifically for HCOC</i> <i>Note: Under construction</i></p>
<p>PP 10-0222/Project 13-0109 Plaza de Bundy Canyon Commercial/Retail Development</p>	<p>21940 Bundy Canyon Rd. Wildomar, CA 92595</p>	<p>Underground Infiltration Basin Two (2) Bio-Swales <i>Note: BMPs are not specifically for HCOC</i> <i>Note: Under construction</i></p>

7) The following table provides a description of all activities related to the enforcement of the Stormwater Ordinance in New Development and Redevelopment Projects in the City of Wildomar’s jurisdiction as required under Section F.1.g. of the 2010 SMR MS4 Permit during the reporting period and a summary of the effectiveness of the enforcement activities K.3.c.(4)7:

Violation	Project Name & Address	Enforcement Action	Effectiveness
BMPs Not Maintained	<p>Anne Sullivan Nursery School 21776 Palomar St. Wildomar, CA 92595</p>	Education and Warning	<p>Result: Good Maintenance was performed on BMPs</p>

2. CONSTRUCTION
SECTION F.2. of ORDER NO. R9-2010-0016)

1) Ordinances K.3.c.(4)1

a) Describe updated relevant ordinances as required under Section F.2.a. of the 2010 SMR MS4 Permit

The City did not update any ordinances related to construction BMPs during the reporting period. The City adopted the 2013 California Building Code (CBC) which includes provisions regarding slope protection. The 2013 CBC can be located online at <http://www.bsc.ca.gov/codes.aspx>. The 2013 CBC is adopted by reference as set forth in Chapter 15.12.010 of the City's Municipal Code (Attachment C) (http://qcode.us/codes/wildomar/view.php?topic=15-15_12-15_12_010&frames=on).

b) Describe planned ordinance updates within the next Annual Reporting period, if applicable

The City is in the process of updating its stormwater ordinances to ensure compliance with the 2010 SMR MS4 Permit. The updated ordinances are anticipated to be adopted by City Council during FY 2014-2015.

2) Describe any changes to procedures used for identifying priorities for inspecting sites and enforcing control measures that consider the nature of the construction activity, topography, and the characteristics of soils and receiving water quality as required by Section F.2.e of the 2010 SMR MS4 Permit K.3.c.(4)2.

The City inspects construction sites based on the 2010 SMR MS4 Permit's schedule:

1. Rainy Season (October – May):
 - a. Sites 30 acres or larger – every two weeks
 - b. Sites less than 30 acres but larger than 1 acre – every month
 - c. Sites less than 1 acre – as needed
2. Dry Season:
 - a. All sites – as needed

3) Describe any changes to the designated minimum and enhanced BMPs as described in Section F.2.d.(1) of the 2010 SMR MS4 Permit K.3.c.(4)3:

There were no changes to the minimum and enhanced BMPs during this reporting period.

4) Summarize the finding of the Construction Inspection Program specified in Section F.2.e. of the 2010 MS4 Permit K.3.c.(4)4:

a) Total number and date of inspection conducted at each Construction Site

93 - Construction Inspections

b) Number, date, and types of enforcement actions by Construction Site

Due to the large number of inspections performed, the inspection dates are not included

2. CONSTRUCTION
(SECTION F.2. of ORDER NO. R9-2010-0016), CONT

herein. Inspection dates and details are included in Attachment D.

Rainy Season Inspections:

29 inspections – In compliance/No enforcement necessary

55 inspections – Written warnings

Dry Season Inspections:

5 inspections – In compliance/No enforcement necessary

4 inspections – Written warnings

c) Brief description of each high-level enforcement action at Construction Sites including the effectiveness of the enforcement:

No inspections performed by the City of Wildomar required high-level enforcement actions during the reporting period. The RWQCB performed five (5) construction site inspections during the rainy season and issued five (5) Notices of Violation (NOVs).

**3. MUNICIPAL
(SECTION F.3 of ORDER NO. R9-2010-0016), CONT**

1) Following is the current inventory of all City of Wildomar facilities and activities that have the potential to generate Pollutants as required under F.3.a.(1) of the 2010 SMR MS4 Permit [K.3.c.(4)1]

Type	Name
Park	Marna O'Brien Park
	Regency Heritage Park
	Windsong Park
Other	Wildomar Cemetery

The City's three parks were closed for the majority of the reporting period. They reopened in April 2014.

2) Following is the current list of minimum BMPs for the City of Wildomar facilities included in the inventory addressed in item 1) above K.3.c.(4)2

BMP Code	Description	Used
SC-10	Non-Stormwater Discharges	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-11	Spill Prevention, Control and Clean-up	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-20	Vehicle and Equipment Fueling	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-21	Vehicle and Equipment Cleaning	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-22	Vehicle and Equipment Repair	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-30	Outdoor Loading/Unloading of Materials	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-31	Outdoor Liquid Container Storage	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
SC-32	Outdoor Equipment Maintenance	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
SC-33	Outdoor Storage of Raw Materials	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-34	Waste Handling and Disposal	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-35	Safe Alternative Products	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
SC-40	Contaminated or Erodible Areas	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
SC-41	Building and Grounds Maintenance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-42	Building Repair and Construction	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-43	Parking/Storage Area Maintenance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-44	Drainage System Maintenance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-60	Housekeeping Practices	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-61	Safe Alternative Products	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-70	Road and Street Maintenance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

**3. MUNICIPAL
(SECTION F.3 of ORDER NO. R9-2010-0016), CONT**

SC-73	Landscape Maintenance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-74	Drainage System Maintenance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-75	Waste Handling and Disposal	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-76	Water and Sewer Utility Maintenance	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

**3. MUNICIPAL
(SECTION F.3 of ORDER NO. R9-2010-0016), CONT**

3) Describe any changes to procedures to assure that flood management projects assess the impacts on the water quality of Receiving Waters as required under Section F.3.a.(4) of the 2010 SMR MS4 Permit [K.3.c.(4)3]

The City issued a Request for Proposal for the design and construction of Wildomar Channel Lateral C-1 (RFP issued near the end of the reporting period). The City and the Riverside County Flood Control and Water Conservation District entered into a cooperative agreement for the design and construction of this Master Drainage Plan facility. In addition to evaluating and planning for appropriate post construction BMPs, the project's consultant engineering firm has been tasked with completing the CEQA evaluation, a Determination of Biologically Equivalent or Superior Preservation Analysis (DBESP) for Impacts to MSHCP riparian/riverine areas.

4) Following is a summary and assessment of BMP retrofit projects implemented at flood control structures as specified in Section F.3.a.(4)(c) and F.3.d of the 2010 SMR MS4 Permit [K.3.c.(4)4]:

a) Listing of flood control facilities retrofitted:

None*

b) Listing and description of flood control structures evaluated for retrofitting:

None*

c) Listing of flood control structures still needing to be evaluated and the schedule for evaluation:

None*

* The City does not own or operate its own flood control facilities. All flood control facilities within the City's jurisdiction are owned and operated by the Riverside County Flood Control and Water Conservation District.

**3. MUNICIPAL
(SECTION F.3 of ORDER NO. R9-2010-0016), CONT**

5) Following is a summary of the municipal structural Treatment Control BMP operations and maintenance activities as specified in F.3.a.(6) of the 2010 SMR MS4 Permit [K.3.c.(4)5]:

Type of Structural Treatment Control BMP	Number of Inspections	Findings
Catch Basin Filters	Inspections Conducted Quarterly	N/A
Park WQMPs	See below*	N/A

*The City's three parks re-opened in April 2014. Some of the parks' post-construction BMPs required maintenance and re-installation due to the lack of maintenance while the parks were closed. City staff has observed the BMPs as they are being maintained but have not performed formal inspections of the BMPs. Moving forward, the City will work towards implementing the WQMP maintenance as specified in the Project Specific WQMP for each park.

**3. MUNICIPAL
(SECTION F.3 of ORDER NO. R9-2010-0016), CONT**

6) Summary of the MS4 facilities operations and maintenance activities, including amount material removed from, including justification for less than annual inspection as required under Section F.3.a.(6)(b) of the 2010 SMR MS4 Permit [K.3.c.(4)(6)]:

MS4 Facility Type	Number of Facilities Maintained	Amount of Material Removed (tons)	Facilities Planned for Bi-Annual Inspections and Justification
Catch Basins	278	Sediment 275.80 cf	
		Vegetation 169.19 cf	
Total		Litter 39.61 cf	
		Total 489 cf*	
Debris Basins	None		
Total		0.0 tons (wet weight)	
Open Channels	None		
Total		0.0 tons (wet weight)	
Other MS4 Facilities	2,575.44 curb miles swept*	135.05 tons**	
Facility Total		489 cf plus 135.05 tons	

*City's maintenance contractor does not record data in tons.

**Sweeping only includes County Service Area (CSA) sweeping and street sweeping by CR&R Environmental Services. Value does not include street sweeping performed by franchise agreement with Waste Management.

**3. MUNICIPAL
(SECTION F.3 of ORDER NO. R9-2010-0016), CONT**

- 7) The following table contains a Summary of municipal areas/programs inspection activities as specified by Section F.3.a.(8)(a&b) of the 2010 SMR MS4 Permit [K.3.c.(4)6] including:
- a) Number and date of inspections conducted at each facility [K.3.c.(4)7.(a)].
 - b) BMP violations identified during each facility inspection [K.3.c.(4)7.(b)].
 - c) The number, date and types of enforcement actions received at each facility [K.3.c.(4)7.(c)]
 - d) Summary of inspection findings and follow-up activities for each inspected facility [K3.c.(4)7.(d)]

Facility	Inspections		BMP Violation	Enforcement			Summary of Inspection	
	#	Date		#	Date	Type	Findings	Follow-up
Total								

**3. MUNICIPAL
(SECTION F.3 of ORDER NO. R9-2010-0016), CONT**

8) The following activities implemented to address sewage infiltration into the MS4 as specified in F.3.a.(7) of the 2010 SM4 MS4 Permit [K.3.c.(4)8]

Description of Sewage Infiltration Controls	Used
Adequate plan checking for construction and new development	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Incident response training for municipal employees that identify sanitary sewer spills	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Code enforcement inspections	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
MS4 maintenance and inspections	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Interagency coordination with sewer agencies	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Education of staff and contractors conducting field operations on the MS4 or its municipal sanitary sewer (if applicable)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

9) Describe BMPs and their implementation for unpaved roads construction and maintenance as specified in F.3.a.(10) of the 2010 SMR MS4 [K.3.c.(4)8]:

The City does not allow the construction of new unpaved roads.

Description of Unpaved Road Construction and Maintenance BMPs	Used
Lost Road – crushed base with recycled asphalt application BMPs were implemented during the material application.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Lost Road – Magnesium Chloride (MgCl₂) application BMPs: Magnesium Chloride application reduces weathering of roadway surface and potential roadway material runoff. <ul style="list-style-type: none"> • Application also inhibits dust formation and serves as the primary motive for implementing this road construction. • City applications of MgCl₂ are scheduled to ensure that timing is appropriate with respect to current and forecasted weather conditions 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

**4. INDUSTRIAL / COMMERCIAL
(SECTION F.3.b. of ORDER NO. R9-2010-0016)**

- 1) Attachment E contains the updated inventory of Industrial and Commercial Facilities as required under Section F.3.b.(1) of the 2010 SMR Permit [K.3.c.(4)1&2]. This inventory includes the following information by facility or mobile business:
- a) Number and date of inspections conducted at each facility or mobile business.
 - b) BMP violations identified during the inspection.
 - c) Number, date, and type of enforcement actions.
 - d) Brief description of each high-level enforcement action at Industrial/Commercial sites including the effectiveness of the enforcement and follow-up activities.
- 2) All changes to the designated minimum and enhanced BMPs required under Section F.3.b.(2)b&c of the 2010 SMR MS4 Permit [K.3.c.(4)3]

Minimum BMP	CASQA BMP Fact Sheet	Used
Hazardous Waste/Materials storage areas are clean, no signs of leakage, and protected from rainfall and Runoff;	SC-34	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Trash bin areas are clean, the bin lids are closed, the bins are not filled with liquid, and no signs of leakage from the trash bins	SC-34	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Aboveground tanks have been properly maintained including no signs of leakage, and secondary containment in good condition	SC-11, SC-31, SC-33	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Onsite storm drain inlets are protect from inappropriate non-storm water discharges	SC-44	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Oil/water separators are connected to sanitary sewer	NA	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wash water from wash pads (steam cleaning or high pressure cleaning) is directed to the sanitary sewer and does not discharge to the MS4	SC-10	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Mop bucket wash water is discharged to sanitary sewer via clarifier	SC-10	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Parking lot areas are free of trash, debris, and fluids other than water	SC-43	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Facility has coverage under the Industrial General Permit, if appropriate	NA	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Minimum BMP	CASQA	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Oil and grease Wastes are not discharged onto a parking lot, street or adjacent catch basin	SC-10	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Trash bin areas are clean, the bin lids are closed, the bins are not filled with liquid, and the bins have not been washed out into the MS4	SC-43	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Floor mats, filters and garbage containers are not washed in adjacent parking lots, alleys, sidewalks, or streets and that no wash water is discharged to MS4S	SC-10	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

**4. INDUSTRIAL / COMMERCIAL
(SECTION F.3.b of ORDER NO. R9-2010-0016), CONT.**

Parking lot areas are cleaned by sweeping, not by hosing down, and that facility operator uses dry methods for spill cleanup	SC-43	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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3) Provide a list of Industrial Facilities, including each name, address, and SIC code in the City of Wildomar’s jurisdiction, that may require coverage under the General Industrial Permit, but has not submitted an NOI [K.3.c.(4)4]

There are no industrial facilities in the City of Wildomar that may require coverage under the General Industrial Permit, but have not submitted an NOI.

Facility Name	Facility Address	SIC Code
Lake Elsinore Unified School District Transportation Facility	21641 Bundy Canyon Rd. Wildomar, CA 92595	4151

5. RESIDENTIAL
(SECTION F.3.c. of ORDER NO. R9-2010-0016)

1) Provide an updated list of minimum BMPs required for residential areas and activities as required by Section F.3.c.(2)(b) of the 2010 SMR MS4 Permit [K.3.c.(4)1]

Area of Activity	Designated BMPs	Reference Material
<p>A</p> <p>Automobile repair, maintenance, washing and parking</p>	<ul style="list-style-type: none"> • Collect and properly dispose of automotive fluids and other waste • Clean up spills using dry cleanup methods where possible • Store Hazardous Materials away from rain and runoff • Avoid hosing down parking areas. • Prevent all wash water, leaks and/or spills from entering the street or MS4 	<p><u>Brochures (see Attachment F):</u></p> <ul style="list-style-type: none"> • Automotive Maintenance and Car Care Brochure • Outdoor Cleaning <p><u>CASQA BMP Fact Sheets:</u></p> <ul style="list-style-type: none"> • SC-20, • SC-21, • SC-22, • SC-43
<p>B</p> <p>Home and garden care activities and product use (pesticides, herbicides and fertilizers)</p>	<ul style="list-style-type: none"> • Prevent irrigation runoff • Store and apply pesticides, fertilizers and other chemicals in accordance with their labeling • Avoid applying pesticides, herbicides and fertilizers before forecasted rain 	<p><u>Brochures (see Attachment F):</u></p> <ul style="list-style-type: none"> • Landscape and Garden • 10 Ways to Save Water Outdoors <p><u>CASQA BMP Fact Sheets:</u></p> <ul style="list-style-type: none"> • SC-73, • SD-10, • SD-12
<p>C</p> <p>Disposal of trash, pet waste, green waste, and Household Hazardous Waste (e.g., paints, cleaning products)</p>	<ul style="list-style-type: none"> • Properly dispose of pet waste • Collect green waste and never blow such waste into the street, gutter or MS4 • Never dispose of waste in a street, gutter or MS4 • Take Household Hazardous Waste to a designated collection center 	<p><u>Brochures (see Attachment F):</u></p> <ul style="list-style-type: none"> • After the Storm • What’s the Scoop • Tips for Horse Care • Landscape and Garden • Pools, Spas and Fountains <p><u>HHW and ABOP Collection Events</u> http://www.rivcowm.org/opencms/hhw/schedule.html</p> <p><u>Videos:</u></p> <ul style="list-style-type: none"> • Animal Care • Household Hazardous Waste • Managing your Lawn and Garden • Outdoor Activities <p>http://rcflood.org/stormwater/ (Videos found in the Media Library)</p>

**5. RESIDENTIAL
(SECTION F.3.c of ORDER NO. R9-2010-0016) CONT.**

2) Provide a summary of the number and type of applicable runoff and stormwater enforcement actions taken within residential areas and activities as required under Section F.3.c.(3) of the 2010 SMR MS4 Permit [K.3.c.(4)2]:

Number by Area or Activity			Enforcement and Compliance Responses
A	B	C	
1*	1**		Education and information
1*			Verbal Warning
1*	1**		Written Warning
			Notice of Non-Compliance
			Administrative Compliance Order
			Misdemeanor
			Infraction
			Citation
			Referral to SDRWQCB
			Total

* Same activity – Yamas Drive: unpermitted car wash within City right-of-way

** Same activity – Sundrops Lane: unpermitted stockpiling on private drainage easement with potential discharge to City right-of-way

3) Describe the City of Wildomar’s efforts to manage runoff and Stormwater Pollution in common interest areas and mobile home parks as required under Section F.3.c.(4) of the 2010 SMR MS4 Permit [K.3.c.(4)2]:

Mobile home parks and common interest areas are managed and enforced in the same manner as other residential areas. New mobile home developments and new developments with common interest areas are conditioned to provide water quality BMPs in accordance with the 2010 SMR MS4 Permit and Model SSMP/WQMP.

6. RETROFITTING EXISTING DEVELOPMENT (SECTION F.3.d. of ORDER NO. R9-2010-0016)

- 1) Provide an updated inventory and prioritization of existing developments identified as candidates for retrofitting as required under Section F.3.d.(2) of the 2010 SMR MS4 Permit [K.3.d.(4)1]:**

The 2010 SMR MS4 Permit Copermittees prepared a Santa Margarita Region Retrofit Program Study in May 2012. This Study establishes the framework for the Copermittees to identify conditions of concern and retrofit strategies to address those concerns. The Retrofit Program Framework Diagram is included in Attachment G.

- 2) Describe the City of Wildomar's efforts to retrofit existing developments during the reporting period as required under Section F.3.d.(2) of the 2010 SMR MS4 Permit [K.3.d.(4)2]:**

The first step in the Copermittee's Retrofit Program Framework is to identify specific issues to be addressed by retrofit. Issues are identified when illicit discharges are detected or action levels are exceeded. No illicit discharges were reported and no action levels were exceeded this year, so the City did not proceed beyond the first step in the Retrofit Program Framework Diagram.

- 3) Describe the City of Wildomar efforts taken to encourage private landowners to retrofit existing development as required under Section F.3.d.(4) of the 2010 SMR MS4 Permit [K.3.d.(4)3]:**

Project applicants who submit plans for entitlement are requested to indicate any plans for low impact development on the plans which they submit. The applicant is referred to the Riverside County Flood Control's Low Impact Development webpage. A handout describing low impact development is also provided to the applicant. These projects typically include accessory structures and second units.

- 4) Provide a list of all retrofit projects that have been implemented including site location, a description of the retrofit project pollutants expected to be treated, and the tributary acreage of runoff that will be treated as required under Section F.3.d.(5) of the 2010 SMR MS4 Permit [K.3.d.(4)4]:**

No retrofit projects occurred within the City during the last reporting year.

- 5) Describe any proposed retrofit or regional mitigation projects and timelines for future implementation [K.3.d.(4)5]:**

There are no retrofit or regional mitigation projects currently proposed within the City of Wildomar.

- 6) Describe any proposed changes to the City of Wildomar's overall retrofitting program [K.3.d.(4)6]:**

The City will continue to implement the retrofit program as outlined in the Retrofit Program Study. This study established a framework for the Copermittees to follow to identify and implement retrofit projects. The study identified three City owned sites with soils suitable for a retrofit BMP. One is an existing park, one is a future school site, and one is a future park site.

**7. ILLICIT DISCHARGE DETECTION AND ELIMINATION
(SECTION F.4 of ORDER NO. R9-2010-0016) CONT.**

- 1) **Describe any changes to the legal authority to implement Illicit Discharge Detection and Elimination (IDDE) activities as required under Section F.4.a.(1) of the 2010 SMR MS4 Permit [K.3.d.(4)1]:**

There were no changes to the City’s legal authority to implement IDDE activities during the reporting period.

- 2) **Describe any changes to the established IDDE investigation procedures as specified under Section F.4.e. of the 2010 SMR MS4 permit [K.3.d.(4)2]:**

There were no changes to the established IDDE investigation procedures during the reporting period.

- 3) **Describe any changes to public reporting mechanisms, including phone numbers and web pages as required under Section F.4.c of the 2010 SMR MS4 Permit [K.3.d.(4)3]**

There were no formal changes to the public reporting mechanisms during the reporting period. The City updated its phone systems to include a dedicated Public Works/Engineering line (951-677-7751, Line 5). This line is made available via a call-tree presented to callers when they call the City’s main phone number. The City also has a new dedicated Public Works/Engineering email address (wildomarpw@cityofwildomar.org).

- 4) **Summarize Illicit Discharges (including spills and water quality data events) and how each significant case was resolved [K.3.d.(4)4]:**

Illicit Discharge Incident	How Resolved
<p>1. December 4, 2013</p> <ul style="list-style-type: none"> • TR 31736-1: Construction - Developer’s subcontractor drained sewer ball-testing water into off-site storm drain which drains into watercourse 	<p>Discharge drained into rip-rap at the headwall of the outfall. Subcontractor pumped drained and ponded water from discharge location into project’s onsite infiltration basin. Silt fence was present around the discharge location/rip-rap and headwall. Developer repaired damaged silt fence following the incident.</p>
<p>2. January 2014</p> <ul style="list-style-type: none"> • TR 31736-1: Construction – Discharge of slurry into flow line while developer’s utility subcontractor completed vault work at the corner of George Ave. and Clinton Keith Rd. 	<p>Developer had protected downstream catch basin. Subcontractor removed the material prior to reaching the MS4.</p>

**7. ILLICIT DISCHARGE DETECTION AND ELIMINATION
(SECTION F.4 of ORDER NO. R9-2010-0016) CONT.**

<p>3. January 10, 2014</p> <ul style="list-style-type: none"> • 32818 Willow Bay Rd. – Illegal Connection 	<p>The City received notice from Riverside County Flood Control and Water Conservation District that an illegal connection from the Willow Bay Rd. home was made into the Flood Control Channel behind the home. The City sent the homeowner a letter informing them of the violation and performed a site visit. The homeowner followed-up by closing the illegal connection.</p>
<p>4. February 12, 2014</p> <ul style="list-style-type: none"> • Yamas Dr. - Unpermitted Car Wash in City Right-of-Way discharging into Catch Basin 	<p>City staff responded to complaints about car wash. Car wash activities were required to cease. Business owners were directed to obtain a City business registration and relocate to an appropriate location outside City right-of-way and to implement BMPs. Educational materials were also provided to the business owners.</p>
<p>5. June 6, 2014</p> <ul style="list-style-type: none"> • 21465 Palomar St. - Sanitary Sewer Overflow from Business Park Septic System into City Right-of-Way 	<p>Elsinore Valley Municipal Water District responded first to the incident. The City took over in following-up with the incident. Business owner responded the same day by having a pump truck come out. Another clean up crew came to address the discharge in the parking lot and right-of-way. Environmental Health was contacted as they are the permitting agency for septic systems. After obtaining permits, the system was dug up and replaced. No further discharges have occurred.</p>

5) Describe any instances when field screening and analytical data exceeded Action Levels, including those instances for which no investigation was conducted [K.3.d.(4)5]:

There were no instances in which field screening and analytical data exceeded Action Levels.

6) Describe the follow-up and enforcement actions taken in response to investigations of Illicit Discharges and a description of the outcome of the investigation/enforcement actions as required under Section F.4.e,f, & g. [K.3.d.(4)6]:

Discharge incidents below correspond to the same incident number in the table above, in Section 7.4 of this report. Please find in the table above the full descriptions for the incidents and follow-up/enforcement actions listed below.

Illicit Discharge Incident	Follow-up and Enforcement Action	Outcome
1. TR 31736-1 (1)	See response above under Section 7.4.	All future sewer-ball testing discharges were discharged into the onsite infiltration basin.
2. TR 31736-1 (2)	See response above under Section 7.4.	Subcontractor collected

**7. ILLICIT DISCHARGE DETECTION AND ELIMINATION
(SECTION F.4 of ORDER NO. R9-2010-0016) CONT.**

		material prior to reaching MS4.
3. 32818 Willow Bay Rd.	See response above under Section 7.4.	Homeowner closed connection.
4. Yamas Dr.	See response above under Section 7.4.	Business activities ceased, owners provided with educational materials.
5. 21465 Palomar St.	See response above under Section 7.4.	No further discharges have occurred.

The City also investigated and responded to notices of incidents/conditions which were not illicit discharges but which could potentially result in or become an illicit discharge should the conditions not be properly addressed. These incidents/conditions are usually addressed by a site visit and/or letter issued to the appropriate party informing them of the concerns and potential violations.

8. WORKPLANS

1) Provide a summary of workplans including priorities, strategy, implementation schedule and effectiveness evaluations.

The Upper Santa Margarita Watershed Water Quality Workplan (Watershed Workplan) has been developed in compliance with Directive G of the San Diego Regional Water Quality Control Board's Order No. R9-2010-0016. The purpose of the Watershed Workplan is to:

- 1) Characterize the Receiving Water quality in the Upper Santa Margarita River Watershed's Receiving Waters
- 2) Identify and prioritize water quality problem(s) in terms of constituents by location in the Upper Santa Margarita River Watershed's Receiving Waters.
- 3) Identify the likely sources of the highest priority water quality problem(s) within the Upper Santa Margarita River Watershed.
- 4) Develop a watershed Best Management Practice (BMP) implementation strategy to attain Receiving Water Quality Objectives for the highest priority water quality problem(s).
- 5) Develop a strategy to monitor improvements in Receiving Water quality directly resulting from implementation of the BMP implementation strategy described in this Watershed Workplan.
- 6) Establish a schedule for development and implementation of the BMP and monitoring strategies outlined in this Watershed Workplan.

The Watershed Workplan is reviewed annually and updated to identify needed changes to prioritize water quality problem(s) listed in the Workplan.

Throughout Fiscal Year 2013-2014, the SMR Copermittees have been assessing the Watershed Workplan programs based upon the criteria set forth by CASQA. Section 12 of this JRMP Annual Report discusses the effectiveness of the implementation of the Watershed Workplan and the CASQA outcome levels achieved. The District and the Copermittees continue to implement the schedule as seen in Figure 1 of the Watershed Workplan that outlines implementation of various storm water programs.

9. NON-STORMWATER DISCHARGES

1) Identify any non-stormwater discharge category listed in Requirement B.2 of Order No. R9-2010-0016 that was identified as a source of Pollutants to Waters of the U.S. during the reporting period. For each identified category, the Copermittee must report whether it elected to prohibit the discharge or to require BMPs to reduce Pollutants in the discharge to the MEP. If the discharge is not prohibited, the BMPs that will be implemented, or required to be implemented, are described below:

Non-Stormwater Discharge Categories (per Requirement B.2)	Source of Pollutant	Prohibited	Required BMPs
Diverted stream flows	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Rising ground waters	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Uncontaminated ground water infiltration [as defined at 40 CFR 35.2005(20)] to MS4s	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Uncontaminated pumped ground water	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Foundation drains	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Springs	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Water from crawl space pumps	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Footing drains	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Air conditioning condensation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Flows from riparian habitats and wetlands	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Water line flushing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Discharges from potable water sources not subject to NPDES Permit No. CAG679001, other than water main breaks	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Individual residential car washing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Dechlorinated swimming pool discharges	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

2) Provide a description of any updates to ordinances, orders, or similar means to prohibit non-storm water discharge categories identified under Section B.2 of the 2010 SMR MS4 Permit.

There were no updates to the City’s stormwater ordinance during the reporting period. The City is currently in the process of updating its stormwater ordinance.

3) Identify any control measures to be required and implemented for non-stormwater discharge categories identified as needing controls by the San Diego Water Board.

None of the non-stormwater discharge categories listed was identified as needing controls within the City by the San Diego Water Board.

9. NON-STORMWATER DISCHARGES CONT.

4) Provide a description of a program to address Pollutants from non-emergency firefighting flows identified by the City of Wildomar to be significant sources of Pollutants:

The City has not identified non-emergency firefighting flows as a significant source of Pollutants.

10. RECEIVING WATER LIMITATIONS

This section includes the report required pursuant to Requirement A.3.a.(1) of Order No. R9-2010-0016, if applicable.

Requirement A.3.a.(1) states:

“Upon a determination by either a Copermittee or the San Diego Regional Board that storm water MS4 discharges are causing or contributing to an exceedance of an applicable water quality standard, the Copermittee must notify the San Diego Regional Board within 30 days and thereafter submit a report to the San Diego Regional Board that describes BMPs that are currently being implemented and additional BMPs that will be implemented to prevent or reduce any Pollutants that are causing or contributing to the exceedance of Water Quality Standards. The report may be incorporated in the Annual Report unless the San Diego Regional Board directs an earlier submittal. The report must include an implementation schedule. The San Diego Regional Board may require modifications to the report;”

There were no discharges within the City determined to be causing or contributing to an exceedance of an applicable water quality standard during the reporting period.

The City relies on RCFCWCD to conduct any permit required water quality monitoring.

11. FISCAL ANALYSIS CONT.

- 1) The following table provides estimated expenditures for the current reporting period, the preceding reporting period, and the next reporting period. This table identifies the expenditures (such as capital, operation and maintenance, education, and administrative expenditures) necessary to accomplish the activities described in the City of Wildomar's JRMP as required under Section H.2 of the 2010 SMR MS4 Permit.

Program Element	Fiscal Year 2014-2015		Fiscal Year 2013-2014		Fiscal Year 2012-2013	
	Capital Expenditures	O&M/Admin Expenditures	Capital Expenditures	O&M/Admin Expenditures	Capital Expenditures	O&M/Admin Expenditures
Program Management		\$25,000		\$20,000		\$20,000
Annual Fee for MS4 NPDES Permit		\$15,000		\$15,000		\$9,500
Implementation Agreement Shared Cost		\$190,700		\$52,000		\$227,000
Construction Inspections		(2)		(2)		(2)
Development Planning		(2)		(2)		(2)
Industrial and Commercial Inspections		\$35,000		\$35,000		\$35,000
Illicit Connections & Illegal Discharges Program		(3)		(3)		(3)
Municipal Facilities and Activities						\$48,000
Public Education & Outreach		(1)		(1)		(1)

11. FISCAL ANALYSIS CONT.

Monitoring Program		(1)		(1)		(1)
Retrofit Program		(1)		(1)		(1)
Other						
Total	\$	\$265,700	\$	\$122,000	\$	\$339,500

Notes:

- (1) These items are included in the "Implementation Agreement Shared Cost."
- (2) These items are included in the cost billed to the project developer and are not tracked separately.
- (3) IC/ID program activities are not tracked separately.

2) A description of the source(s) of funds that are proposed to meet the necessary expenditures for the subsequent year.

Source of Funds	Capital Expenditures	Percent of Total Program Funding	Restrictions on Use (if applicable)
General Fund		81%	
LLMD 89-1-C/CSA 152		19%	Maximum parcel assessment established at annexation into district. Must be used for fossil filter replacement and street sweeping within specified neighborhoods.

11. FISCAL ANALYSIS CONT.

3) Provide a narrative description of circumstances resulting in a 25 percent or greater annual change for any budget line item.

The Program Management cost will increase by 25% (\$5,000) from the current reporting period to the next fiscal year (FY 2014-2015). This reflects the anticipated time to be spent in implementing the NPDES program. Activities covered under the program management cost include, but are not limited to, items such as staff response to IC/ID incidents, business registration review for NPDES compliance, coordinating the inspection program, collating the data for the JRMP annual report, and general program management.

The Implementation Agreement Shared Cost item has increased by approximately 267% (\$138,700) from the current reporting period to the next fiscal year (FY 2014-2015). This reflects the City's share of the additional cost spent by the Copermittees to prepare studies and reports to comply with the 2010 SMR MS4 Permit.

12. ASSESSMENT AND RESPONSE REPORTING

1) The following is the City of Wildomar summary of its effectiveness assessments as required under Section J.3 of the 2010 SMR MS4 Permit.

12.1.a.1 Illicit Discharge Detection and Elimination Effectiveness Assessment

Table 12-1: Illicit Discharge Detection and Elimination Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Number of IC/ID reports received (F.4.e.(3))	1	Level 1
Percentage/Number of Dry Weather Source ID Efforts that were completed and Findings	0	Level 5
Estimated volume of anthropogenic trash removed from City of Wildomar MS4 facilities (tons) (F.3.a.(6)(b)(vi))	489 cf* plus 135 tons**	Level 4

*City's maintenance contractor does not record data in tons.

** Sweeping only includes removal by County Service Area (CSA) sweeping and street sweeping by CR&R Environmental Services. Value does not include street sweeping performed by franchise agreement with Waste Management.

12.1.a.2 Municipal Areas and Activities Effectiveness Assessment

Table 12-2: Municipal Areas and Activities Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Percent/Number of City of Wildomar facilities with appropriate BMPs identified (F.3.a.(2)(b))	33 ^[a]	Level 2
Number of City of Wildomar facility and MS4 operators and maintenance staff that attended Municipal training (F.6.b.(1))	0	Level 1
Estimated tons of Waste removed by City of Wildomar street sweeping, (F.3.a.(5))	135.05 ^[b]	Level 4
Estimated tons of Waste removed from City of Wildomar Open Channels (F.3.a.(6)(b))	0 ^[c]	Level 4
Estimated tons of Waste removed from City of Wildomar storm drain inlets (F.3.a.(6)(b))	489 cf ^[d]	Level 4

[a] Includes: 30 catch basin filter inserts, 3 parks with post-construction BMPs

[b] Sweeping only includes County Service Area (CSA) sweeping and street sweeping by CR&R Environmental Services. Value does not include street sweeping performed by franchise agreement with Waste Management.

[c] Open channel flood control facilities within the City are maintained by Riverside County Flood Control District

[d] The City's maintenance contractor does not record removal in tons

12. ASSESSMENT AND RESPONSE REPORTING

12.1.a.3 Development Planning Effectiveness Assessment

Table 12-3: Development Planning Program Effectiveness

Measureable Metric Collected	Data	CASQA Outcome Level
Number of acres of Redevelopment projects that incorporated LID-based BMPs that are built and completed (F.1.f.(1))	0*	Level 5
Number of applicable planning staff that attended WQMP training (F.6.b.(1))	0	Level 1

*No redevelopment projects were approved or constructed this year.

12.1.a.4 Private Development Construction Activity Effectiveness Assessment

Table 12-4: Private Development Construction Activity Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Construction Site inventory updated (F.2.b.)	Yes	Level 1
Number of construction inspection staff that attended Construction training (F.6.b.(b))	2	Level 1

12.1.a.5 Industrial and Commercial Effectiveness Assessment

Table 12-5: Industrial and Commercial Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Industrial and Commercial Facilities inventory updated (F.3.b.(1)(a))	Yes	Level 1
Number of applicable Industrial and Commercial Facility inspection staff that attended Industrial-Commercial training (F.6.b.(1)(c))	1	Level 1

12.1.a.6 Residential Effectiveness Assessment

Table 12-6: Residential Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Gallons of used oil collected at collection events (F.3.c.(2)(c))	36,869 lbs* 4,855 gal**	Level 4
Total pounds collected at HHW/ABOP events (F.3.c.(2)(c))	182,687 lbs*	Level 4

*SMR data, not Copermittee specific

**Assumed density of 7.59 lb/gal for Automobile Oil (http://www.engineeringtoolbox.com/liquids-densities-d_743.html)

12. ASSESSMENT AND RESPONSE REPORTING

12.1.a.7 Retrofit Program Effectiveness Assessment

Table 12-7: Retrofit Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Number of times the Retrofit Program has identified a potential solution to a specific identified problem	0*	Level 1

*No specific problems were identified.

12.1.a.8 Public Education Effectiveness Assessment

Table 12-8: Public Education Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Number of outreach events to schools	6*	Level 1
Number of Public Events where outreach was conducted	16*	Level 1
Pounds of trash removed through watershed cleanup events	182,687 lbs	Level 4
Number of home improvement stores provided outreach / customer education information for pesticide use	5/3*	Level 1
Number of E-Newsletters signups	60	Level 2
% of E-Newsletters clicked	26%**	Level 2

*SMR data, not Copermitee specific; **SMR Quarterly Average

12.1.a.9 Watershed Workplan Effectiveness Assessment

Table 12-9: Watershed Workplan Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Annual Public Review Meeting conducted	1	Level 1
Updated Characterization of Receiving Water Quality	(See Below)	Level 1
Updated prioritization of water quality problems	(Refer to SMR Annual Monitoring Report, Table 41)	Level 1
Descriptions of likely sources updated	(Refer to SMR Monitoring Annual Report, Section 5.3)	Level 1

12. ASSESSMENT AND RESPONSE REPORTING

Updated BMP Implementation Strategy	(See Below)	Level 1
BMPs implemented according to schedule	(See Below)	Level 1
Number of Collaborative Meetings Attended	5	Level 1

Updated Characterization of Receiving Water Quality:

The Copermittees submitted an Annual SMR Monitoring Report for the reporting period to the Regional Water Quality Control Board on October 1, 2014. This monitoring report indicates that “overall, water quality conditions in the SMR receiving waters appear to be getting better, based on the number of Clean Water Act (CWA) Section 303(d)-listed constituents in the Upper Santa Margarita River Watershed with statistically significant downward trends.”

Updated BMP Implementation Strategy:

The City of Wildomar did not implement any new BMPs during this reporting period. The City of Wildomar is implementing the current BMP Implementation Strategy per Section 4 of the Upper Santa Margarita River Watershed Workplan.

BMPs Implemented According to Schedule:

The City of Wildomar did not implement any new BMPs during this reporting period.

a) Response to effectiveness assessments:

The City of Wildomar does not plan any program modifications for the next year. The SMR Copermittees expect that future monitoring and the associated data will foster a better understanding of Pollutants and their impacts to Receiving Waters. Results from monitoring activities/studies will continue to guide the Copermittees in assessing and managing their programs to protect Receiving Waters in the SMR to the maximum extent practicable.

b) A description of any steps to be implemented to improve the City of Wildomar’s ability to assess program effectiveness.

The City of Wildomar and Copermittess do not plan any modifications to program monitoring at this time. Future monitoring and studies will provide additional information to guide the Copermittees in assessing and managing their programs to protect Receiving Waters in the SMR to the maximum extent practicable.

10. RECEIVING WATER LIMITATIONS

This is the second year that the City has been subject to Order No. R9-2010-0016. The City reviewed and approved two (2) Priority Development Projects for entitlement and reviewed and approved three (3) Priority Development Projects for construction. The construction approvals included rough grading approvals and WQMP acceptances. Of the three construction projects, only two were issued grading permits and began construction activities during the reporting period. The entitlement projects reviewed and approved include a 10-lot single family residential development (TTM 36519/PA 12-0392) and a 7-parcel commercial/retail development (TPM 30522/PA 10-0301). The projects reviewed and approved for construction include an 84-lot single family residential development (TTM 32535/Project 13-0058 – grading permit for 31.17 disturbed acres), a 102-lot single family residential development (TTM 25122/Project 13-0030 – grading permit for 41.7 acres), and a single parcel commercial/retail development (PP 10-0222/Project 13-0109).

The City swept 2,575.44^[1] curb miles of streets and cleaned 278 catch basins this fiscal year, thereby preventing approximately 489 cubic feet (catch basins) and 135.05 tons (street sweeping) of debris from reaching the MS4 outfalls.

The City inspected construction sites during the reporting period according to the schedule set forth in the City's MS4 permit and issued several written warnings to developers. No high level enforcement actions were taken by the City. Out of a total of ninety-three (93) inspections, the City issued a total of fifty-nine (59) written warning to developers of construction sites. The Public Works department began reviewing business registrations this reporting period to request storm water compliance deposits from business owners of specific business requiring inspections to allow City staff to perform Commercial/Industrial Inspections, as specified in the City's JRMP. The City performed one (1) Industrial and Commercial inspection during the reporting period. The County performed three (3) Industrial and Commercial inspections within the City's jurisdiction during the reporting period. The City issued self-certification letters for owners/responsible parties of facilities with post-construction BMPs. The City also responded to five (5) illicit discharges during the reporting period.

The City participated in two (2) community events at which public information booths were present for stormwater pollution prevention education. The City also re-opened its three (3) parks during the reporting period, all of which had been closed for several years. The City has assessed the parks' post-construction BMPs and has budgeted to repair the BMPs to ensure that they are functional and effective.

The City's JRMP, in cooperation with the other Copermittees, complies with the 2010 SMR MS4 Permit. Based on the information collected to date, the City's program is effectively protecting the Receiving Waters and no changes are proposed at this time. Future monitoring and studies will provide additional information to guide the City in assessing and managing its programs.

[1] Sweeping only includes County Service Area (CSA) sweeping and street sweeping by CR&R Environmental Services. Value does not include street sweeping performed by franchise agreement with Waste Management.

13. RECOMMENDATIONS

14. RECOMMENDATIONS

The City of Wildomar does not plan any modifications to its water quality program and assessment at this time. The City incorporated the Public Works Department in the business registration review process during the reporting period to ensure that businesses requiring NPDES Compliance Inspections are tracked and provide a deposit for inspections. As the Public Works Department continues to monitor business registrations to ensure compliance with the NPDES program, the City intends to further develop the industrial/commercial tracking database and perform more industrial/commercial inspections to ensure that pollutants reaching the MS4 are continually reduced to the maximum extent practicable. Future monitoring and studies will provide additional information which the City will utilize in determining if modifications to its program will improve program effectiveness.

ATTACHMENT A: ANNUAL REPORT CHECKLIST CONT.

Annual Report Summary Checklist	
<u>Order Requirements</u>	
Were All Requirements of Order No. R9-2010-0016 met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<u>Construction</u>	
Number of Active Sites	10
Number of Inactive Sites	3
Number of Sites Inspected	13
Number of Violations	59 ^[a]
Number of Construction Enforcement Actions Taken	59 ^[a]
<u>New Development</u>	
Number of Development Plan Reviews	5 ^[b]
Number of Grading Permits Issued	2
Number of Projects Exempted from Interim/Final Hydromodification Requirements	3 ^[c]
<u>Post Construction Development</u>	
Number of Priority Development Projects	7
Number of SUSMP Required Post-Construction BMP Inspections	4 ^[d]
Number of SUSMP Required Post-Construction BMP Violations	1 ^[d]
Number of SUSMP Required Post-Construction BMP Enforcement Actions Taken	0
<u>Illicit Discharges and Connections</u>	
Number of IC/IC Inspections	5
Number of IC/ID Detections by Staff	3 ^[e]
Number of IC/ID Detections from the Public	2
Number of IC/ID Eliminations	5
Number of IC/ID Violations	5
Number of IC/ID Enforcement Actions Taken	5
<u>MS4 Maintenance</u>	
Number of Inspections Conducted	N/A
Amount of Waste Removed	489 cf ^[f] plus 135.05 tons ^[g]

ATTACHMENT A: ANNUAL REPORT CHECKLIST CONT.

Total Miles of MS4 Inspected	2,575.44 curb miles ^[g]
<u>Municipal/Commercial/Industrial</u>	
Number of Facilities	4 ^[h]
Number of Inspections Conducted	0 ^[i]
Number of Facilities Inspected	0 ^[i]
Number of Violations	0 ^[i]
Number of Enforcement Actions Taken	0 ^[i]

[a] Violations and enforcement actions are only those noted and issued by the City (does not include State inspection and enforcement activities)

[b] Five (5) completed reviews: two (2) entitlement, three (3) grading/improvement plan

[c] Three (3) projects met an exempting condition as set-forth in the 2006 WQMP's section regarding Hydrologic Conditions of Concern

[d] The City sent letters requesting self-verification of post-construction BMPs. Four owners responded. Only one owner addressed the development's post-construction BMPs. This owner performed maintenance on the BMPs appropriately to correct violations.

[e] Staff was notified by the Riverside County Flood Control and Water Conservation District regarding one IC.

[f] The City's maintenance contractor does not record data in tons.

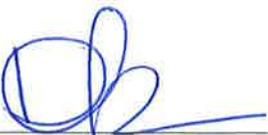
[g] Waste removed in tons only includes waste removed by County Service Area (CSA) sweeping and CR&R Environmental Services Street Sweeping. Value does not include street sweeping performed by franchise agreement with Waste Management.

[h] Sweeping only includes County Service Area (CSA) sweeping and street sweeping by CR&R Environmental Services. Value does not include street sweeping performed by franchise agreement with Waste Management.

[i] The City's three parks were closed for the majority of the reporting period and opened in April 2014. No formal inspections were conducted at the City's cemetery.

I certify under penalty of law that this Annual Report Summary Checklist was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signed: _____



Dan York
Director of Public Works

Attachment B

Post-Construction BMP Database
Tracking and Maintenance

Attachment C

City Ordinance Update
Municipal Code Chapter 15.12.010

Wildomar Municipal Code							
Up	Previous	Next	Main		Search	Print	No Frames

[Title 15 BUILDINGS AND CONSTRUCTION](#)
[Chapter 15.12 BUILDING CODE](#)

15.12.010 Adoption by reference—Building Code.

Except as hereinafter changed or modified, the 2013 [California Building Code](#) (California [Code of Regulations](#), Title 24, Part 2), along with Appendices C, I, and J, of that certain building code, as published by the California Building Standards Commission, are hereby adopted by reference and incorporated into this Title 15 of the Wildomar Municipal Code. A copy of the 2013 [California Building Code](#), including the above-designated appendices, shall be on file in the office of the City Clerk. (Ord. 92 § 6, 2014; Ord. 56 § 2, 2011)

Attachment D

Construction Sites Inventory & Inspections

NPDES Construction Activity Site List

Legend

- In Effect (must be inspected)
- Pending (no activity)
- Other (no activity, not pending, or not inspected by the City)

City Project No.	Facility Name	Facility Priority	WDID Details			Grading Permit Information			Facility Details			Developer Details				LRP Details				Total Disturbed Area (ac)	Inspection Frequency ²			
			WDID No.	WDID Status	Risk Level	Permit No.	Permit Status	Issuance Date	Grade Type	Address	Tract No. (if applicable)	AP No.	Developer	Contact Last Name	Contact First Name	Contact Phone	Email Address	Owner	Last Name			Contact Phone	Email Address	
08-0133	Clinton Keith Veterinary Hospital	Medium	9 33C357758	Active	Risk Level 1	ZZZ-08-0105	Issued	11/28/2012	Precise	35951 Salda Del Sol Wildomar, CA 92595	#N/A	362-250-014	LNT Development LLC	Luzuriaga	Henry	(951) 678-7800	hluzuriaga@yahoo.com	Clinton Keith Veterinary Hospital	Luzuriaga	Deborah	(951) 694-4266	hluzuriaga@yahoo.com	2.7	1/month
08-0166	Stable Lanes Commercial Development	Medium	9 33C355919	Active	Risk Level 2	20080166-2	Issued	6/21/2012	#N/A	32150 Clinton Keith Rd. Wildomar, CA 92595	#N/A	380-120-003	Near-Cal Corp	Sanderson	Steve	(951) 245-5400	#N/A	Stable Lanes Commercial Development	Linsley	Austin	(951) 677-6737	ian.wiles@theasproperties.com	4.56	1/month
08-0179	Bundy Canyon Plaza	Medium	9 33C361774	Active	Risk Level 1	20080179-2	Issued	3/27/2012	#N/A	22181 Bundy Canyon Road Wildomar, CA	#N/A	367-100-019	Bundy I-15, CLP	Kofdarali	Hagop	(951) 280-3833	admin@ntmgmt.com	Bundy I-15, CLIP	Kofdarali	Hagop	(951) 280-3833	admin@ntmgmt.com	5.58	1/month
08-0179	Bundy Canyon Plaza	Medium	9 33C361774	Active	Risk Level 1	20080179-2	Issued	3/27/2012	#N/A	22241 Bundy Canyon Road Wildomar, CA	#N/A	367-100-020	Bundy I-15, CLP	Kofdarali	Hagop	(951) 280-3833	admin@ntmgmt.com	Bundy I-15, CLIP	Kofdarali	Hagop	(951) 280-3833	admin@ntmgmt.com	5.58	1/month
09-0265	Diversified Landscape	Medium	9 33C355193	Active	#N/A	ZZZ-09-00-4	Issued	5/13/2010	#N/A	21730 Bundy Canyon Rd. Wildomar, CA 92595	#N/A	366-210-052	Moralez Enterprises	Moralez	Paul	(951) 926-7440	paul@diversifiedlandscape.com	Diversified Landscape Co.	Moralez	Paul	(951) 926-7440	paul@diversifiedlandscape.com	1.5	1/month
11-0099	Rancho Vista	Medium	9 33C360948	Active	Risk Level 2	20110099-7	Issued	7/20/2011	Precise	NW Palomar St. & Clinton Keith Rd. Wildomar, CA 92595	31353/31499	380-090-033	Meritage Homes of California Inc.	Kimball	Kevin	(951) 547-8318	kevin.kimball@meritagehomes.com	Meritage Homes	Kimball	Kevin	(951) 547-8313	kevin.kimball@meritagehomes.com	20.4	1/month
11-0217	Oak Springs Ranch (Tract 31736)	High	9 33C353089	Active	Risk Level 2	20110217-2	Issued	7/16/2012	Mass	24055 Clinton Keith Rd. Wildomar, CA 92595	31736	#N/A	GLJ Partners	Ditteaux	Tony	(760) 431-3366	tony@gljpartners.com	GLJ Partners	Ditteaux	Tony	(760) 431-3366	tony@gljpartners.com	36	1/2 wks
12-0015	Andalusia I	Medium	9 33C362883	Active	Risk Level 1	ZZZ-12-0037	Issued	7/10/2012	Precise	32469 Meadow Ridge Lane Wildomar, CA 92595	30939	380-390-006	Lennar Homes of California, Inc	Parker	Dave	(951) 817-3656	dave.parker@lennar.com	Lennar Homes	McGuff	Greg	(951) 817-3610	greg.mcguff@lennar.com	12.29	1/month
12-0015	Andalusia I	Medium	9 33C362883	Active	Risk Level 1	BGR-13-0002	Issued	2/6/2013	Precise	32411 Whispering Glen Trail Wildomar, CA 92595	30939	380-390-034	Lennar Homes of California, Inc.	Parker	Dave	(951) 817-3656	dave.parker@lennar.com	Lennar Homes	McGuff	Greg	(951) 817-3610	greg.mcguff@lennar.com	12.29	1/month
12-0015	Andalusia I	Medium	9 33C362883	Active	Risk Level 1	20120015-47	Issued	9/7/2012	Precise	32550 Whispering Glen Trail Wildomar, CA 92595	30839	380-400-030	Lennar Homes of California, Inc	Parker	Dave	(951) 817-3656	dave.parker@lennar.com	Lennar Homes	McGuff	Greg	(951) 817-3610	greg.mcguff@lennar.com	12.29	1/month
12-0015	Andalusia I	Medium	9 33C362883	Active	Risk Level 1	BGR-12-0001	Issued	1/7/2013	Precise	32454 Whispering Glen Trail Wildomar, CA 92595	30839	380-401-001	Lennar Homes of California, Inc.	Parker	Dave	(951) 817-3656	dave.parker@lennar.com	Lennar Homes	McGuff	Greg	(951) 817-3610	greg.mcguff@lennar.com	12.29	1/month
12-0015	Andalusia I	Medium	9 33C362883	Active	Risk Level 1	20120015-10	Issued	5/16/2012	Precise	Shadow Canyon Trail Wildomar, CA 92595	30839/30939	380-401-003 380-390-020	Lennar Homes of California, Inc	Parker	Dave	(951) 817-3656	dave.parker@lennar.com	Lennar Homes	McGuff	Greg	(951) 817-3610	greg.mcguff@lennar.com	12.29	1/month
12-0015	Andalusia I	Medium	9 33C362883	Active	Risk Level 1	20120015-15	Issued	5/16/2012	Precise	Shadow Canyon Trail Wildomar, CA 92595	30839/30939	380-401-003 380-390-020	Lennar Homes of California, Inc	Parker	Dave	(951) 817-3656	dave.parker@lennar.com	Lennar Homes	McGuff	Greg	(951) 817-3610	greg.mcguff@lennar.com	12.29	1/month
12-0401	Wildomar 44/Andalusia II	Medium	9 33C365276	Active	Risk Level 1	BGR-13-0003	Issued	3/19/2013	Rough/Precise	36022 Agape Lane Wildomar, CA 92595	31837	380-410-001	Lennar Homes of California, Inc.	Parker	Dave	(951) 817-3656	dave.parker@lennar.com	Lennar Homes of California Inc.	McGuff	Greg	(951) 817-3610	greg.mcguff@lennar.com	13.5	1/month
12-0401	Wildomar 44/Andalusia II	Medium	9 33C365276	Active	Risk Level 1	BGR-13-0008	Issued	5/16/2013	Precise	23064 Seattle Ridge Rd. Wildomar, CA 92595	31837	380-410-007	Lennar Homes of California, Inc.	Parker	Dave	(951) 817-3656	dave.parker@lennar.com	Lennar Homes of California Inc.	McGuff	Greg	(951) 817-3610	greg.mcguff@lennar.com	13.5	1/month
12-0401	Wildomar 44/Andalusia II	Medium	9 33C365276	Active	Risk Level 1	BGR-13-0014	Issued	7/24/2013	Precise	23136 Rustic Oak Dr. Wildomar, CA 92595	31837	380-410-010	Lennar Homes of California, Inc.	Parker	Dave	(951) 817-3656	dave.parker@lennar.com	Lennar Homes of California Inc.	McGuff	Greg	(951) 817-3610	greg.mcguff@lennar.com	13.5	1/month
12-0401	Wildomar 44/Andalusia II	Medium	9 33C365276	Active	Risk Level 1	BGR-13-0015	Issued	7/24/2013	Precise	23184 Rustic Oak Dr. Wildomar, CA 92595	31837	380-410-014	Lennar Homes of California, Inc.	Parker	Dave	(951) 817-3656	dave.parker@lennar.com	Lennar Homes of California Inc.	McGuff	Greg	(951) 817-3610	greg.mcguff@lennar.com	13.5	1/month
12-0401	Wildomar 44/Andalusia II	Medium	9 33C365276	Active	Risk Level 1	BGR-13-0007	Issued	5/16/2013	Precise	36154 Agape Ln. Wildomar, CA 92595	31837	380-411-016	Lennar Homes of California, Inc.	Parker	Dave	(951) 817-3656	dave.parker@lennar.com	Lennar Homes of California Inc.	McGuff	Greg	(951) 817-3610	greg.mcguff@lennar.com	13.5	1/month
12-0401	Wildomar 44/Andalusia II	Medium	9 33C365276	Active	Risk Level 1	BGR-13-0017	Issued	8/22/2013	Precise	23062 Seattle Ridge Rd. Wildomar, CA 92595	31837	#N/A	Lennar Homes of California, Inc.	Parker	Dave	(951) 817-3656	dave.parker@lennar.com	Lennar Homes of California Inc.	McGuff	Greg	(951) 817-3610	greg.mcguff@lennar.com	13.5	1/month
12-0401	Wildomar 44/Andalusia II	Medium	9 33C365276	Active	Risk Level 1	BGR-13-0016	Approved	#N/A	Precise	36053 Arnett Rd. Wildomar, CA 92595	31837	380-411-001	Lennar Homes of California, Inc.	Parker	Dave	(951) 817-3656	dave.parker@lennar.com	Lennar Homes of California Inc.	McGuff	Greg	(951) 817-3610	greg.mcguff@lennar.com	13.5	1/month
13-0004	Wildomar Square	Medium	9 37C365980	Active	Risk Level 1	BGR-13-0006	Issued	3/28/2013	Rough	23565 Clinton Keith Rd. Wildomar, CA 92560	#N/A	380-110-046	Wildomar Square LLC	Haynes	Dana	(714) 321-6824	dblackburn@citivestinc.com	Citinvest Inc.	Haynes	Dana	(714) 321-6824	dblackburn@citivestinc.com	5.2	1/month
12-0015	Shadow Canyon	Medium	9 33C362883	Active	Risk Level 1	BGR-13-0012	Pending	#N/A	Precise	32536 Shadow Canyon Trail Wildomar, CA 92595	30839	380-400-001	Lennar Homes of California, Inc.	Parker	Dave	(951) 817-3656	dave.parker@lennar.com	Lennar Homes	McGuff	Greg	(951) 817-3610	greg.mcguff@lennar.com	12.29	1/month
11-0254	Wildomar 51	Medium	9 33C365187	Active	Risk Level 1	#N/A	#N/A	#N/A	#N/A	E. of George Ave. & N. of Clinton Keith Wildomar, CA 92595	31479	Multiple	Rancon Wildomar 51	Stout	William	(951) 696-0600	wstout@rancongroup.com	Rancon Wildomar 51	Stout	William	(951) 696-0600	wstout@rancongroup.com	15.5	1/month
13-8074	EVMWD Pipeline Project	Medium	8 33C368367	Active	Risk Type 1	#N/A	#N/A	#N/A	#N/A	Walle Street and Cherry Street Wildomar, CA 92595	#N/A	#N/A	Elsinore Valley Municipal Water District	Downing	Randy	(909) 797-7444	rbrandt@evmwd.net	Elsinore Valley Municipal Water District	Brandt	Norris	(951) 674-3146	rbrandt@evmwd.net	1.4	1/month
13-0058	North Ranch	Medium	9 33C368741	Active	Risk Level 2	BGR-13-0013	Issued	5/15/2014	Rough	NW of Clinton Keith Road and Stable Lanes Wildomar, CA 92595	32535	Multiple	Lennar Homes of California, Inc.	Weister	Adam	(951) 817-3529	Adam.Weister@lennar.com	Lennar Homes of California Inc.	McGuff	Greg	(951) 817-3500	Greg.McGuff@lennar.com	27.9	1/month
13-0030	Rancho Fortunado I	Medium	9 33C368077	Active	Risk Level 2	BGR-13-0009	Issued	5/15/2014	Rough	SW of Palomar and McVicar Wildomar, CA 92595	25122	Multiple	CV Communities, LLC	Smith	Adam	(949) 258-7534	adam@citiventures.com	CV Communities, LLC	Smith	Adam	(949) 258-7534	adam@citiventures.com	41.7	1/2 wks
13-0115	Illegal Stockpile	#N/A	#N/A	#N/A	#N/A	BGR-13-0020	Pending	#N/A	#N/A	22051 Palomar St. Wildomar, CA 92595	32035	380-040-005	Omni/Orbis Financial	Boone	Martin	(831) 464-5021	martin@shermanandboone.com	Omni/Orbis Financial	Boone	Martin	(831) 464-5021	martin@shermanandboone.com	0.93	As Needed
12-0059	Monte Vista Ranch	Medium	9 33C362945	Active	Risk Level 2	20120059-1	#N/A	#N/A	#N/A	SE. of Monte Vista Dr. & Bundy Canyon Rd. Wildomar, CA 92595	32024	67-140-007/0	Monte Vista Ranch LLC	Block	Gregory	(858) 755-8667	gblock@blocksource.com	Monte Vista Ranch LLC	Block	Gregory	(858) 755-8667	gblock@blocksource.com	33.9	1/2 wks
13-0031	Rancho Fortunado II	Medium	#N/A	#N/A	#N/A	BGR-13-0010	Pending	#N/A	Rough	22425 Palomar St. Wildomar, CA 92595	32078	380-080-028/009/012/013/014, 380-140-001	CV Communities, LLC	#N/A	#N/A	#N/A	#N/A	CV Communities, LLC	#N/A	#N/A	(949) 258-7534	#N/A	16.08	1/month
13-0058	CV Communities	Medium	#N/A	#N/A	#N/A	BGR-13-0013	Pending	#N/A	Rough/Precise	36135 Arnett Rd. Wildomar, CA 92595	32535	380-100-004	CV Communities, LLC	#N/A	#N/A	(949) 258-7534	#N/A	CV Communities, LLC	#N/A	#N/A	(949) 258-7534	#N/A	4.79	1/month
13-0066	#N/A	Unknown	#N/A	#N/A	#N/A	BGR-13-0018	Pending	#N/A	Rough	Navajo Springs Rd. and Lost Rd. Wildomar, CA 92595	#N/A	365-210-005	John Tanner	Tanner	John	(951) 760-8852	#N/A	#N/A	Aikens	Lisa/Valenite	(714) 773-2356	#N/A	#N/A	As Needed
#N/A	#N/A	Medium	#N/A	#N/A	#N/A	BGR-13-0005	Pending	#N/A	Rough	33375 Chico Hills Rd. Wildomar, CA 92595	#N/A	366-320-040	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	Santiago	Kenny	(951) 453-1758	#N/A	1.35	1/month
CIP 0027	Clinton Keith Road I-15 Interchange Reconstruction	Medium	9 33C363396	Active	Risk Level 2	#N/A	#N/A	#N/A	#N/A	Clinton Keith Road at I-15 Wildomar, CA 92595	#N/A	#N/A	Riverside County Transportation Department	Cho	Benjie	(951) 961-6366	bccho@rcctma.org	Riverside County Transportation Department	Stelding	Claudia	(951) 955-1694	cstelding@rcctma.org	20	1/month
#N/A	#N/A	Unknown	#N/A	#N/A	#N/A	ZZZ-10-0096	Finald	8/5/2010	Precise	34126 Clovis Wy Wildomar, CA 92595	31345	367-490-017	D.R. Horton	O'Leary	Jennifer	(951) 739-5460	#N/A	D.R. Horton	O'Leary	Jennifer	(951) 739-5460	#N/A	As Needed	

Project Name: Clinton Keith Veterinary Hospital

Project No.: 08-0133

Location: 35951 Salida Del Sol
Wildomar, CA 92595

Risk Level: Risk Level 1

Site Priority: Medium

Inspection Details				
Date	Inspection Type	Inspector Name	Notes	Corrective Action(s)
10/10/2013	Wet/Rainy Season	Doug Armstrong	Silt Fence Unmaintained, No washouts, Inactive Site	Written Warning
10/28/2013	Wet/Rainy Season	Brian Gumpert	Looks like an abandoned project. BMPs function but inadequate to contain a potential deluge and such an event may result in damage or runoff. Loose soils exist at slopes of desilting basin.	Written Warning
10/24/2013	Wet/Rainy Season	State	See Inspection Sheet/Email	Administrative Citation
11/14/2013	Wet/Rainy Season	Doug Armstrong	BMPs in place but not in compliance with SWPPP. Copies of plans from SWPPP provided to onsite contact.	Written Warning
11/26/2013	Re-Inspection	Matt Bennet Doug Armstrong	Verbal Warning	None
12/24/2013	Wet/Rainy Season	Jason Farag	BMPs in place. Silt fence requires some maintenance. Washout may need relining. Inlets need additional protection.	Written Warning
1/31/2014	Wet/Rainy Season	Gil Petris	No deficiencies observed.	None
2/26/2014	Wet/Rainy Season	Doug Armstrong	Inactive with missing/damaged BMPs.	Written Warning
3/31/2014	Wet/Rainy Season	Gil Petris	Silt fence needs repair/replacement	Written Warning
4/28/2014	Wet/Rainy Season	Gil Petris	Silt fence needs repair/replacement	Written Warning
5/28/2014	Regular	Gil Petris	Silt fence needs repair/replacement, attention needed for some bags, dirt piles open but landscaping in progress	Written Warning

Project Name: Stable Lanes Commercial Development

Project No.: 08-0166

Location: 32150 Clinton Keith Rd.
Wildomar, CA 92595

Risk Level: Risk Level 2

Site Priority: Medium

Inspection Details				
Date	Inspection Type	Inspector Name	Notes	Corrective Action(s)
10/8/2013	Pre-Rain	Doug Armstrong	Inactive site with dirt present on street	Written Warning
10/23/2013	Wet/Rainy Season	State Board	See Inspection Email	Written Warning
11/15/2013	Wet/Rainy Season	Doug Armstrong	See Inspection Sheet	Written Warning
12/18/2013	Wet/Rainy Season	Doug Armstrong	Stockpiles partially covered, site sprayed, equipment parked with no protection, silt fenc torn.	Written Warning
1/28/2014	Wet/Rainy Season	Jason Farag	No tracking controls at west entrance, stockpile uncovered, spill onsite.	Written Warning
2/25/2014	Wet/Rainy Season	Doug Armstrong	Inactive site, no equipment or trailer, west gate unprotected	Written Warning
3/31/2104	Wet/Rainy Season	Jason Farag	Site is protected.	None
4/23/2014	Wet/Rainy Season	Doug Armstrong	Site is protected.	None
5/27/2014	Regular	Doug Armstrong	Inactive Site. No deficiencies noted.	None

Project Name: Bundy Canyon Plaza

Project No.: 08-0179

Location: 22181 Bundy Canyon Road
Wildomar, CA

Risk Level: Risk Level 1

Site Priority: Medium

Inspection Details				
Date	Inspection Type	Inspector Name	Notes	Corrective Action(s)
10/8/2013	Wet/Rainy Season	Doug Armstrong	Erosion Control company onsite to repair and replace BMPs	Written Warning
10/10/2013	Re-Inspection	Doug Armstrong	Offsite Stockpiling - Permission Letter Requested	Written Warning
11/21/2013	Wet/Rainy Season	Doug Armstrong	Perimeter controls lacking. No cover/protection for stockpiles.	Written Warning
12/11/2013	Wet/Rainy Season	Doug Armstrong	Perimeter controls lacking. No cover/protection for stockpiles.	Written Warning
1/31/2014	Wet/Rainy Season	Gil Petris	No deficiencies noted.	None

Project Name: Diversified Landscape

Project No.: 09-0265

Location: 21730 Bundy Canyon Rd.
Wildomar, CA 92525

Risk Level: #N/A

Site Priority: Medium

Inspection Details				
Date	Inspection Type	Inspector Name	Notes	Corrective Action(s)
10/25/2013	Wet/Rainy Season	Doug Armstrong	No perimeter controls, Bundy St. not maintained, Skip loader not protected, No BMPs, Inactive Business, No super on site Phone call received on 10/29/2013 from Roger Baitey. Project is almost complete and currently filing for Notice of Termination. Waiting for verification of NOT to change project status in file.	Written Warning
11/21/2013	Wet/Rainy Season	Doug Armstrong	No perimeter controls, no stockpile protection. Tracking controls implemented.	Written Warning
12/18/2013	Wet/Rainy Season	Doug Armstrong	Partial completion of perimeter controls. Active work on stock piles. Large area not protected.	Written Warning
1/30/2014	Wet/Rainy Season	Jason Farag	No perimeter protection along Bundy Canyon Rd. or around stockpiles. One leak from truck appeared to be water and contained on-site (no off-site discharge).	Written Warning
2/26/2014	Wet/Rainy Season	Doug Armstrong	Project complete. Front lot flat area not sprayed but no traffic.	None

Project Name: Rancho Vista

Project No.: 11-0099

Location: NW Palomar St. & Clinton Keith Rd.
Wildomar, CA 92595

Risk Level: Risk Level 2

Site Priority: Medium

Inspection Details				
Date	Inspection Type	Inspector Name	Notes	Corrective Action(s)
10/10/2013	Wet/Rainy Season	Doug Armstrong	Superintendent states that the site will be in compliance by this afternoon. Re-inspection for 10/11/2013	Written Warning
10/11/2013	Re-Inspection	Doug Armstrong	Some BMPs repaired but mostly the same as the previous inspection.	Written Warning
10/22/2013	Re-Inspection	Les Chapman Jason Farag	Verbal Warning	None
10/24/2013	Re-Inspection	Matt Bennett Jason Farag	Verbal Warning	None
11/15/2013	Wet/Rainy Season	Doug Armstrong	Tracking controls not implemented, gravel bags torn/exposed, streets not swept.	Written Warning
12/12/2013	Wet/Rainy Season	Brian Gumpert	Some debris, need chevrons at storm inlets, some unprotected piles near curbs, some trash bins overloaded	Written Warning
1/3/2014	Wet/Rainy Season	Gil Petris	General cleanup, empty dumpsters, cover piles, some sandbags (all needed)	Written Warning
1/29/2014	Wet/Rainy Season	Gil Petris	No deficiencies observed.	None
2/26/2014	Wet/Rainy Season	Gil Petris	No deficiencies observed.	None
3/28/2014	Wet/Rainy Season	Gil Petris	No deficiencies observed.	None
4/28/2014	Wet/Rainy Season	Gil Petris	No deficiencies observed.	None

Project Name: Oak Springs Ranch (Tract 31736)

Project No.: 11-0217

Location: 24055 Clinton Keith Rd.
Wildomar, CA 92595

Risk Level: Risk Level 2

Site Priority: High

Inspection Details				
Date	Inspection Type	Inspector Name	Notes	Corrective Action(s)
10/7/2013	Pre-Rain	Brian Gumpert	See Inspection Sheet	Written Warning
10/24/2013	Wet/Rainy Season	Brian Gumpert	See Inspection Sheet	Written Warning
10/28/2013	Wet/Rainy Season	State	See Inspection Sheet	Administrative Citation
11/5/2013	Re-Inspection	Brian Gumpert	Much cleaner, small corrections (see inspection sheet)	Written Warning
11/21/2013	Wet/Rainy Season	Brian Gumpert	BMPs are functional but some CBs need maintenance, some tracking from stockpile areas	Written Warning
12/3/2013	Wet/Rainy Season	Jason James	Remove trash and stored pipe at east entrance, cover all piles before rain	Written Warning
1/2/2014	Wet/Rainy Season	Brian Gumpert	Some broken sand bags at perimeter and streets on interior are needing to be swept at a few places but all appears to be functional.	Written Warning
1/15/2014	Wet/Rainy Season	Brian Gumpert	Some broken sand bags and manhole needs to be covered. Loose trash in interior	Written Warning
1/29/2014	Wet/Rainy Season	Gil Petris	No defeciencies noted	None
2/13/2014	Wet/Rainy Season	Brian Gumpert	Loose trash, landscape stockpiles not covered, loose trash running into onsite SD to basin or being blown by wind.	Written Warning
2/26/2014	Wet/Rainy Season	Gil Petris	No defeciencies noted	None
3/21/2014	Wet/Rainy Season	Gil Petris	Some sandbags need attention, some minor storm drainage cleanout needed	Written Warning
4/11/2014	Wet/Rainy Season	Gil Petris	No defeciencies noted	None
4/24/2014	Wet/Rainy Season	Brian Gumpert	Loose trash, inlets unprotected, inlet protection failure, stockpile protection needed, loose pollutants, slope erosion.	Written Warning
5/27/2014		Brian Gumpert	Mostly clean and effective. A little bit of uncovered and strewn trash remains.	Written Warning

Project Name: Wildomar 51

Project No.: 11-0254

Location: E. of George Ave. & N. of Clinton
Keith

Risk Level: Risk Level 1

Site Priority: Medium

Inspection Details				
Date	Inspection Type	Inspector Name	Notes	Corrective Action(s)
10/14/2013	Wet/Rainy Season	Doug Armstrong	Inactive Site, No maintenance	Written Warning
11/14/2013	Wet/Rainy Season	Doug Armstrong	No tracking control at entrance, inactive site, slopes not covered, some plastic needs attention, interior slopes not protected from erosion State follow-up shows compliance	None
12/18/2013	Wet/Rainy Season	Doug Armstrong	Lower rock bags need maintenance, no controls at entrance, erosion controls need maintenance, plastic damaged needs to be	Written Warning
1/28/2014	Wet/Rainy Season	Jason Farag	Some tarps and sandbags torn. Water flowing through streams.	Written Warning
2/25/2014	Wet/Rainy Season	Doug Armstrong	Inactive site, no equipment or trailer, perimeter controls need attention.	Written Warning
3/31/2014	Wet/Rainy Season	Jason Farag	Site is protected.	None
4/23/2014	Wet/Rainy Season	Doug Armstrong	Tracking controls not implemented, plastic waste onsite, slope protection needs maintenance	Written Warning
5/27/2014	Regular	Doug Armstrong	Slopes protection needs maintenance. Waste onsite.	Written Warning

Project Name: Andalusia I

Project No.: 12-0015

Location: 32469 Meadow Ridge Lane
Wildomar, CA 92595

Risk Level: Risk Level 1

Site Priority: Medium

Inspection Details				
Date	Inspection Type	Inspector Name	Notes	Corrective Action(s)
10/9/2013	Wet/Rainy Season	Doug Armstrong	The site is built out except two lots across from models and sales parking lot. It is clean and protected.	None
11/12/2013	Wet/Rainy Season	Doug Armstrong	Access for fence work not protected, lots prayed except area where fence work is in progress, fence work area not ptoected for erosion	Written Warning
12/18/2013	Wet/Rainy Season	Doug Armstrong	No tracking controls on reminaing two lots.	Written Warning
1/29/2014	Wet/Rainy Season	Gil Petris	No deficiencies notes	None
2/28/2014	Wet/Rainy Season	Gil Petris	No deficiencies notes	None
3/27/2014	Wet/Rainy Season	Gil Petris	No deficiencies notes	None
4/30/2014	Wet/Rainy Season	Gil Petris	No deficiencies notes	None
5/28/2014		Gil Petris	No deficiencies notes	None

Project Name: Monte Vista Ranch

Project No.: 12-0059

Location: SE. of Monte Vista Dr. & Bundy Canyon Rd.

Risk Level: Risk Level 2

Site Priority: Medium

Inspection Details				
Date	Inspection Type	Inspector Name	Notes	Corrective Action(s)
10/25/2013	Wet/Rainy Season	Doug Armstrong	No perimeter controls, No tracking controls, No erosion controls, No contact onsite (wrong parcel inspected but owner made aware of rainy season inspections and responsibility (see email))	Written Warning
11/7/2013	Wet/Rainy Season	Doug Armstrong	No perimeter controls, No tracking controls Weed abatement and disking but no activitiy	Written Warning
12/11/2013	Wet/Rainy Season	Doug Armstrong	No activity. Contacted site owner for clarification.	None

Project Name: Wildomar 44/Andalusia II

Project No.: 12-0401

Location: 36022 Agape Lane
Wildomar, CA 92595

Risk Level: Risk Level 1

Site Priority: Medium

Inspection Details				
Date	Inspection Type	Inspector Name	Notes	Corrective Action(s)
10/10/2013	Wet/Rainy Season	Doug Armstrong	No deficiencies notes	Written Warning
11/15/2013	Wet/Rainy Season	Doug Armstrong	One concrete washout with minimal protection.	Written Warning
12/18/2013	Wet/Rainy Season	Doug Armstrong	No deficiencies notes	None
1/29/2014	Wet/Rainy Season	Gil Petris	No deficiencies notes	None
2/28/2014	Wet/Rainy Season	Gil Petris	No deficiencies notes	None
3/27/2014	Wet/Rainy Season	Gil Petris	No deficiencies notes	None
4/30/2014	Wet/Rainy Season	Gil Petris	No deficiencies notes	None

Project Name: Wildomar Square

Project No.: 13-0004

Location: 23565 Clinton Keith Rd.
Wildomar, CA 92660

Risk Level: Risk Level 1

Site Priority: Medium

Inspection Details				
Date	Inspection Type	Inspector Name	Notes	Corrective Action(s)
10/9/2013	Wet/Rainy Season	Doug Armstrong	Project Sprayed, small dirt piles no prayed or covered. I piece of equipment, no secondary containment. Inactive Site	Written Warning
10/23/2013	Wet/Rainy Season	State Board	See Inspection Email	Written Warning
11/5/2013	Wet/Rainy Season	Jason Farag	BMPs implemented (partially) but not all effective	Written Warning
11/12/2013	Wet/Rainy Season	Doug Armstrong	Mulch piles uncovered, no tracking control on the North entrance, South section of the project not sprayed	Written Warning
12/18/2013	Wet/Rainy Season	Doug Armstrong	Illegal dumped oil at the rear of the project	Written Warning
1/28/2014	Wet/Rainy Season	Jason Farag	Some silt fence needs repair, erosion evident, trash onsite.	Written Warning
2/25/2014	Wet/Rainy Season	Doug Armstrong	Inactive site. Recent dirt haul area has not been sprayed. Dumping on site.	Written Warning
3/31/2014	Wet/Rainy Season	Jason Farag	Some maintenance required. Waste onsite.	Written Warning
4/23/2014	Wet/Rainy Season	Doug Armstrong	Inactive site. Well maintained.	None
5/27/2014	Regular	Doug Armstrong	Tracking Controls need maintenance, fiber rolls appear unmaintained.	Written Warning

Project Name: Illegal Stockpile

Project No.: 13-0115

Location: 22051 Palomar St.
Wildomar, CA 92595

Risk Level: #N/A

Site Priority: #N/A

Inspection Details				
Date	Inspection Type	Inspector Name	Notes	Corrective Action(s)
1/14/2014	Wet/Rainy Season	Jason Farag	Canyon Dr. was muddy and had been washed down, prior to arrival onsite. There was also a puddle/pond of water at the west end of Canyon Dr. For safety, the contractor, during the inspection, used a tractor to move some of the mud to the shoulder and attempted to eliminate some of the ponding.	Written Warning
1/15/2014	Re-Inspection	Matt Bennet Jason Farag Les Chapman	Meeting with EVMWD, MWH, Downing Construction, and the City regarding BMPs and safety	None
2/26/2014	Wet/Rainy Season	Jason Farag	Streets swept but wet from watering down. Some AC present in the street. Tracking/perimeter controls not implemented in staging areas.	Written Warning
3/31/2014	Wet/Rainy Season	Jason Farag	Flushing ongoing. BMPs implemented. Emailed EVMWD and contractor regarding project work and status.	None

Project Name: EVMWD Pipeline Project

Project No.: 13-8074

Location: Waite Street and Cherry Street
Wildomar, CA 92595

Risk Level: Risk Type 1

Site Priority: Medium

Inspection Details				
Date	Inspection Type	Inspector Name	Notes	Corrective Action(s)
1/14/2014	Wet/Rainy Season	Jason Farag	Canyon Dr. was muddy and had been washed down, prior to arrival onsite. There was also a puddle/pond of water at the west end of Canyon Dr. For safety, the contractor, during the inspection, used a tractor to move some of the mud to the shoulder and attempted to eliminate some of the ponding.	Written Warning
1/15/2014	Re-Inspection	Matt Bennet Jason Farag Les Chapman	Meeting with EVMWD, MWH, Downing Construction, and the City regarding BMPs and safety	None
2/26/2014	Wet/Rainy Season	Jason Farag	Streets swept but wet from watering down. Some AC present in the street. Tracking/perimeter controls not implemented in staging areas.	Written Warning
3/31/2014	Wet/Rainy Season	Jason Farag	Flushing ongoing. BMPs implemented. Emailed EVMWD and contractor regarding project work and status.	None

Attachment E

Commercial & Industrial Facility
Inventory & Inspections



NPDES Commercial/Industrial Inspection Site List

City of Wildomar
Public Works Department

NPDES Commercial/Industrial Site List

Legend

- High Priority (annual inspection)
- Standard Priority (5-year inspection)

Business Details											
Business Name	Business Priority	SIC Code(s)	Facility Category	Address	City	State	Zip	APN	Parcel Area (ac)	Phone	Business Description
Arco Am/Pm- Nazm Group, Inc.	Very High	5541	Fueling	33986 Orange Street	Wildomar	CA	92595	366-290-010	1.13	#N/A	Mini Mart/Gas Station
CLINTON KEITH CHEVRON	Very High	5541, 7542	Fueling	23805 CLINTON KEITH ROAD	WILDOMAR	CA	92595	380-240-058	1.06	(858) 404-6087	CONVENIENCE STORE/ GAS STATION/ CAR WASH. COUNTY C OF O #BNR10120 FINALED 9/25/08
Mission Trail Car Wash	Very High	7542	Vehicle Washing	32554 Mission Trail	Lake Elsinore	CA	92530	365-103-032	0.37	#N/A	Self-Serve Hand Car Wash
Arco AM/PM	Very High	5541	Fueling	36228 Hidden Springs Rd.	WILDOMAR	CA	92595	380-110-034	1.18		
Monkey Shine/Grease Monkey	Very High	7542	Vehicle Washing	32120 Clinton Keith Rd.	WILDOMAR	CA	92595	380-110-043	1		Self-Serve Hand Car Wash
M&M LANDSCAPE SUPPLY YARD	Very High	5261	Retail	31705 CENTRAL AVE, STE B	WILDOMAR	CA	92595	376-180-012	3.7	(951) 609-3194	COMMERCIAL SELLER OF LANDSCAPE MATERIAL AND HARWARE
Wildomar Cemetery	Very High	0782	Cemeteries	21400 Palomar St.	Wildomar	CA	92595	376-060-011/012	3.76	(951) 678-2451	
Regency Heritage Park	Very High	#N/A	Parks	N/A	Wildomar	CA	92595	370-500-020	1.45	(951) 677-7751	#N/A
Marna O'Brien Park	Very High	#N/A	Parks	20505 Palomar St.	Wildomar	CA	92595	368-230-001 368-240-003/004	9	(951) 677-7751	#N/A
Windsong Park	Very High	#N/A	Parks	35459 Prairie Rd.	Wildomar	CA	92595	376-261-002	2.12	(951) 677-7751	#N/A
THE FARM MUTUAL WATER COMPANY	High	4941	HAZMAT	33383 MILLPOND DR	WILDOMAR	CA	92595	362-100-059	19.16	(951) 244-4198	WATER AND SEWAGE COMPANY, NON-PROFIT UTILITY
USA GASOLINE #68238	High	5541	Fueling	23905 CATT ROAD	WILDOMAR	CA	92595	380-240-060	0.83	(951) 609-0010	GASOLINE RETAIL-COFO-10-0332 -FINAL 3/1/2012
BEAR CREEK CAR WASH	High	7542, 7538	Vehicle Washing	32374 CLINTON KEITH ROAD	WILDOMAR	CA	92595	380-130-020	1.43	(951) 543-8665	FULL SERVICE HAND CAR WASH WITH OIL AND LUBE; STORMWATER COMPLIANCE FEE REQUIRED
7-ELEVEN GAS & Store #33595	High	5541	Fueling	36321 Hidden Springs Rd.	WILDOMAR	CA	92595	380-110-042	0.92		
Round Up Liquor & Deli and Gas	High	5541	Fueling	20651 Palomar St.	WILDOMAR	CA	92595	368-060-019	2.07		
Jiffy Lube #3412	High	7538	Auto Repair	32374 Clinton Keith Rd.	WILDOMAR	CA	92595	380-030-020	1.43		
Elks Lodge #2591	High	7041	Other	33700 Mission Trail	WILDOMAR	CA	92595	366-140-011	1.45		
TIRE SITE	Standard	5531, 7534	Auto Repair	33074 MISSION TRAIL	WILDOMAR	CA	92595	366-021-007	0.79	(951) 674-1700	NEW & USED TIRES, WHEELS AND AUTO REPAIR
L & F TIRE & WHEEL (previously IMM Auto Repair)	Standard	5531, 7534	Auto Repair	21299 PALOMAR STREET	WILDOMAR	CA	92595	368-091-033	0.29	(951) 674-1611	TIRES & WHEELS
CANYON BATTERY	Standard	7538, 3714, 5531	Auto Repair	32880 MISSION TRAIL	LAKE ELSINORE	CA	92530	365-131-005	#N/A	(951) 471-8082	AUTO REPAIR/ PARTS
CIRCLE K #2705093	Standard	5541	Fueling	33980 MISSION TRAIL ROAD	WILDOMAR	CA	92530	366-160-070	1.01	(925) 931-5737	CONVENIENCE STORE WITH GASOLINE.
Auto Repair (?)	Standard	7538	Auto Repair	21952 Walnut St.	WILDOMAR	CA	92595	367-070-025	2.06		
WHITE LIME, INC. DBA WHITE LIME FROZEN YOGURT	Standard	5812	Eating/Drinking	32278 CLINTON KEITH RD, STE 104	WILDOMAR	CA	92595	380-130-024	0.56	(951) 609-1190	FROZEN YOGURT SHOP; WILDOMAR C OF O #09-0581 FINALED 2/23/10
OLD MARKET GRILL	Standard	5812	Eating/Drinking	23937 CLINTON KEITH ROAD	Wildomar	CA	92595	380-240-010	0.75	(951) 600-3974	FOOD SERVICE ESTABLISHMENT
STARBUCKS #10431	Standard	5812	Eating/Drinking	32080 CLINTON KEITH ROAD	WILDOMAR	CA	92595	380-110-040	0.78	(206) 318-8705	COFFEE SHOP; RIVERSIDE COUNTY C OF O #BT1070068, FINALED 8/27/07
STARBUCKS #6554	Standard	5812	Eating/Drinking	23823 CLINTON KEITH ROAD	WILDOMAR	CA	92595	380-130-020	1.43	(206) 318-8705	COFFEE SHOP; CITY OF WILDOMAR C OF O #10-0114, FINALED 4/19/10
SUSHI DEN	Standard	5812	Eating/Drinking	36068 HIDDEN SPRINGS RD, STE K	WILDOMAR	CA	92595	380-110-031	0.78	(951) 678-4420	SUSHI RESTAURANT, CITY OF WILDOMAR C OF O #10-0336, FINALED 12/15/10
SUBWAY #24263	Standard	5812	Eating/Drinking	23905 CLINTON KEITH ROAD #118	WILDOMAR	CA	92595	380-240-026	2.49	(951) 672-2773	SANDWICH SHOP; COUNTY OF RIVERSIDE C OF O #BT1070275 FINALED 5/2/08
CUSTOM COMMERCIAL DRY CLEANERS, INC.	Standard	3582	Washing Services	36595 KEVIN ROAD STE 134	WILDOMAR	CA	92595	380-260-035	4.18	(951) 698-0381	WHOLESALE RESTORATION DRY CLEANING; WILDOMAR C OF O #11-0168, FINALED 9/22/12
GROOMING BY TAMARA	Standard	0752	Pet Services	21535 PALOMAR STREET STE H	WILDOMAR	CA	92595	376-052-003	0.27	(951) 471-1610	PET GROOMING; CITY C OF O #11-0280 FINALED 10/31/11
PANDA EXPRESS #1698	Standard	5812	Eating/Drinking	23861 CLINTON KEITH ROAD #1	WILDOMAR	CA	92595	380-240-037	0.64	(626) 799-9898	CHINESE FAST FOOD RESTAURANT; COUNTY OF RIVERSIDE C OF O #BT1080038 FINALD 01/08
POBLANO MEXICAN GRILL INC	Standard	5812	Eating/Drinking	32278 CLINTON KEITH RD #103	WILDOMAR	CA	92595	380-130-024	0.56	(951) 609-9688	RESTAURANT; CITY C OF O #12-0268 ISSUED 10/15/12 - Final 02/27/2013
DEL TACO #760	Standard	5812	Eating/Drinking	36164 HIDDEN SPRINGS ROAD	WILDOMAR	CA	92595	380-110-035	0.55	(951) 609-3581	QUICK SERVICE RESTAURANT
LOS REYES BAR & GRILL	Standard	5812	Eating/Drinking	23865 CLINTON KEITH ROAD	WILDOMAR	CA	92595	380-240-038	0.61	(951) 677-7177	
SHAGGY DOG GROOMING	Standard	0752	Pet Services	32395 CLINTON KEITH, STE B-9	WILDOMAR	CA	92595	380-130-014	2.33	(951) 678-1145	DOG GROOMING SALON. COUNTY #286195. 3/24/92.
STATER BROS. MARKET #174 & PHARMACY #6174	Standard	5411/21/31/41/51/61	Retail	36010 HIDDEN SPRINGS ROAD	WILDOMAR	CA	92595	380-110-037	0.31	(951) 678-3191	RETAIL SUPERMARKET AND PHARMACY
ALBERTSONS #6735	Standard	5411/21/31/41/51/61	Retail	23893 CLINTON KEITH ROAD	WILDOMAR	CA	92595	380-240-024	6.08	(951) 600-4607	RETAIL SUPERMARKET; COUNTY OF RIV C OF O #BNR050081 FINALED 5/19/08 CHANGE OF OWNER 8/29/13
PAM'S DONUTS	Standard	5812	Eating/Drinking	21465 PALOMAR ST, STE 5	WILDOMAR	CA	92595	376-052-001	0.96	(951) 678-7676	DONUT SHOP
LOS MOLCAJETES RESTAURANT	Standard	5812	Eating/Drinking	21549 PALOMAR STREET	Wildomar	CA	92595	376-052-003	0.27	(619) 246-3382	SMALL TACO SHOP RESTAURANT
RELIC PARTS WAREHOUSE	Standard	3714, 5531	Retail	34885 MISSION TRAIL, STE A	WILDOMAR	CA	92595	368-030-026	0.75	(951) 245-0101	CLASSIC VW PARTS. BNR990163 2/5/02
PHO 999	Standard	5812	Eating/Drinking	32475 CLINTON KEITH ROAD # 107	WILDOMAR	CA	92595	380-140-007	1.22	(951) 751-2020	RESTAURANT; CITY C OF O BXX-12-0021 FINALED 9/16/13
TAB ZADEH FAMILY/ DENNY'S #7830	Standard	5812	Eating/Drinking	23857 CLINTON KEITH ROAD, BLDG E	WILDOMAR	CA	92595	380-240-037	0.64	(951) 600-7773	DENNY'S #7830 RESTAURANT. BNR070164, FINALED 12/3/08
RITE AID #6481	Standard	5812, 5912	Eating/Drinking	32450 CLINTON KEITH ROAD	WILDOMAR	CA	92595			(951) 678-9141	RETAIL PHARMACY (Ice Cream Shop Inside)



NPDES Commercial-Industrial Inspection Details

City of Wildomar
Public Works Department

Inspection Details						Re-inspection Date (if applicable)
Date	Business Name	Location	Inspection Type	Notes	Corrective Action(s)	
5/27/2014	Rite Aid #6481	32450 Clinton Keith Rd. Wildomar, CA 92595	Regular-Five Year	Ice-cream service located inside. No NPDES violations noted.	None	N/A
2/14/2014	Circle K	22181 Bundy Canyon Rd. Wildomar, CA 92595		Result: Good <i>Note: Inspected by County, not City</i>	None	N/A
9/24/2013	David A. Brown Middle School	21861 Grand Ave. Wildomar, CA 92595		Result: Good <i>Note: Inspected by County, not City</i>	None	N/A
9/24/2013	William Collier Elementary School	20150 Mahyill Dr. Wildomar, CA 92595		Result: Good <i>Note: Inspected by County, not City</i>	None	N/A

Attachment F

Educational Brochures

Stormwater Pollution

What you should know for...

Automotive Maintenance and Car Care

Best Management Practices (BMPS) for:

- Auto Body Shops
- Auto Repair Shops
- Car Dealerships
- Gas Stations
- Fleet Service Operations



Stormwater Pollution...What You Should Know

Riverside County has three major river systems, or watersheds, that are important to our communities and the environment. Improper automotive maintenance, storage and washing activities can cause pollution that endangers the health of these rivers.

Pollutants that can collect on the ground from automotive repair, storage and washing areas such as antifreeze, oil, grease, gas, lubricants, soaps and dirt can be washed into the street by rain, over-irrigation or wash water runoff. Once these pollutants are in the streets they can be carried to these rivers by the storm drain system. Unlike the sewer system, the storm drain system carries water (and pollution) to our rivers without treatment. Pollution from storm drains is a form of storm water pollution.

A common storm water pollution problem associated with automotive shops and businesses is the activity of hosing down service bays without proper capture of runoff water, illegal dumping of fluids to the street or storm drain inlets and not properly storing hazardous materials. Examples of pollutants that can be mobilized by these activities include oil and grease from cars, copper and asbestos from worn break linings, zinc from tires and toxics from spilled fluids.

The Cities and County of Riverside have adopted ordinances, in accordance with state and federal law, which prohibit the discharge of pollutants into the storm drain system or local lakes, rivers or streams. This brochure provides common practices that can prevent storm water pollution and keep your shop in compliance with the law.

To report illegal dumping or a clogged storm drain
1-800-506-2555

Hazardous Materials Disposal,
Recycling/Disposal Vendors call:
951-486-3200 or 1-800-506-2555

County Code Enforcement Offices
(unincorporated area)

Lake Elsinore/Mead Valley951-245-3186
Jurupa Valley951-275-8739
Moreno Valley/Banning951-485-5840
Murrieta So. County951-600-6140
Thousand Palms District760-343-4150

Environmental Crimes
1-800-304-6100

Spill Response Agency
1-800-304-2226 or 951-358-5172

Recycling and Hazardous Waste Disposal
1-800-366-SAVE

For pollution prevention brochures or to obtain
information on other County Environmental
Services, call 1-800-506-2555

Popular links:

www.rcflood.org
www.cabmphandbooks.com
www.cfpub.epa.gov/npdes

ONLY RAIN DOWN THE
STORM DRAIN
POLLUTION PREVENTION
PROGRAM
1-800-506-2555



Riverside County's "Only Rain Down the Storm Drain"
Pollution Prevention Program members include:

Banning	Desert Hot Springs	Palm Desert
Beaumont	Hemet	Palm Springs
Calimesa	Indian Wells	Perris
Canyon Lake	Indio	Rancho Mirage
Cathedral City	Lake Elsinore	Riverside County
City of Riverside	La Quinta	San Jacinto
Corona	Menifee	Temecula
Coachella	Murrieta	Wildomar
Coachella Valley Water District	Moreno Valley Norco	

Best Management Practices for Auto Body & Repair Shops, Car Dealerships, Gas Stations and Fleet Service Operations

Changing Automotive Fluids

- Locate storm drains on or near your property. Do not allow material to flow to these drains.
- Collect, and separately recycle motor oil, antifreeze, transmission fluid and gear oil. Combining waste fluid prevents recycling.
- Drain brake fluid and other non-recyclables into a proper container and handle as a hazardous waste.
- Use a recyclable radiator flushing fluid and discard safely.

Only rain is allowed down the storm drain! Don't be an offender!! Violations of local ordinances are prosecuted to the fullest extent of the law.

Identify specific activities with the potential to cause spills or release pollutants such as oil, grease, fuel, etc. Post signs and train employees on how to prevent and clean up spills during activities.

YOU can prevent Stormwater Pollution following these practices...

Working on Transmissions, Engines and Miscellaneous Repairs

- Keep a drip pan or a wide low-rimmed container under vehicles to catch fluids whenever you unclip hoses, unscrew filters, or change parts, to contain unexpected leaks.
- Drain all fluids from wrecked vehicles into proper containers before disassembly or repair.
- Store batteries indoors, on an open rack.
- Return used batteries to a battery vendor.
- Contain cracked batteries to prevent hazardous spills.
- Catch metal filings in an enclosed unit or on a tarpaulin.
- Sweep filing areas to prevent washing metals into floor drains.

Cleaning Parts

- Clean parts in a self-contained unit, solvent sink, or parts washer to prevent solvents and grease from entering a storm drain.



Fueling Vehicles

- Clean-up minor spills with a dry absorbent, rather than allowing them to evaporate.
- Use a damp cloth and a damp mop to keep the area clean rather than a hose or a wet mop.



Keeping your shop or work area pollutant clean and environmentally safe

- Never hose down your work area, as pollutants could be washed into the storm drain.
- Sweep or vacuum the shop floor frequently.
- Routinely check equipment. Wipe up spills and repair leaks.
- Use large pans or an inflatable portable berm under wrecked cars.
- Avoid spills by emptying and wiping drip pans, when they are half-full.
- Keep dry absorbent materials and/or a wet/dry vacuum cleaner on hand for mid-sized spills.
- Train your employees to be familiar with hazardous spill response plans and emergency procedures.

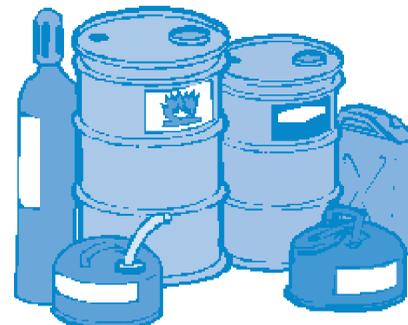
- Immediately report hazardous material spills that have entered the street or storm drain to OES and local authorities.

Outdoor Parking and Auto Maintenance

- Use covered or controlled areas to prevent offsite spills.
- Sweep-up trash and dirt from outdoor parking and maintenance areas. Do not hose down areas. All non-stormwater discharges to the street or storm drain are prohibited.

Storing and Disposing of Waste

- Store recyclable and non-recyclable waste separately.
- Place liquid waste (hazardous or otherwise) in proper containers with secondary containment.
- Cover outdoor storage areas to prevent contact with rain water.
- Collect used parts for delivery to a scrap metal dealer.



Washing vehicles and steam cleaning equipment

- For car washing, minimize wash water used and use designated areas. Never discharge wash water to the street, gutters or storm drain.
- Be sure to keep waste water from engine parts cleaning or steam cleaning from being discharged to the street, gutter or storm drain.
- Wash vehicles and steam clean with environmentally friendly soaps and polishes.



Selecting and Controlling Inventory

- Purchase recyclable or non-toxic materials.
- Select “closed-loop” suppliers and purchase supplies in bulk.

Helpful telephone numbers and links:

Riverside County Stormwater Protection Partners

Flood Control District	(951) 955-1200
County of Riverside	(951) 955-1000
City of Banning	(951) 922-3105
City of Beaumont	(951) 769-8520
City of Calimesa	(909) 795-9801
City of Canyon Lake	(951) 244-2955
Cathedral City	(760) 770-0327
City of Coachella	(760) 398-4978
City of Corona	(951) 736-2447
City of Desert Hot Springs	(760) 329-6411
City of Eastvale	(951) 361-0900
City of Hemet	(951) 765-2300
City of Indian Wells	(760) 346-2489
City of Indio	(760) 391-4000
City of Lake Elsinore	(951) 674-3124
City of La Quinta	(760) 777-7000
City of Menifee	(951) 672-6777
City of Moreno Valley	(951) 413-3000
City of Murrieta	(951) 304-2489
City of Norco	(951) 270-5607
City of Palm Desert	(760) 346-0611
City of Palm Springs	(760) 323-8299
City of Perris	(951) 943-6100
City of Rancho Mirage	(760) 324-4511
City of Riverside	(951) 361-0900
City of San Jacinto	(951) 654-7337
City of Temecula	(951) 694-6444
City of Wildomar	(951) 677-7751

REPORT ILLEGAL STORM DRAIN DISPOSAL

1-800-506-2555 or e-mail us at
fcnpdes@rcflood.org

- Riverside County Flood Control and Water Conservation District
www.rcflood.org

Online resources include:

- California Storm Water Quality Association
www.casqa.org
- State Water Resources Control Board
www.waterboards.ca.gov
- Power Washers of North America
www.thepwna.org

Stormwater Pollution

What you should know for...

Outdoor Cleaning Activities and Professional Mobile Service Providers



Storm drain pollution prevention information for:

- Car Washing / Mobile Detailers
- Window and Carpet Cleaners
- Power Washers
- Waterproofers / Street Sweepers
- Equipment cleaners or degreasers and all mobile service providers

Do you know where street flows actually go?

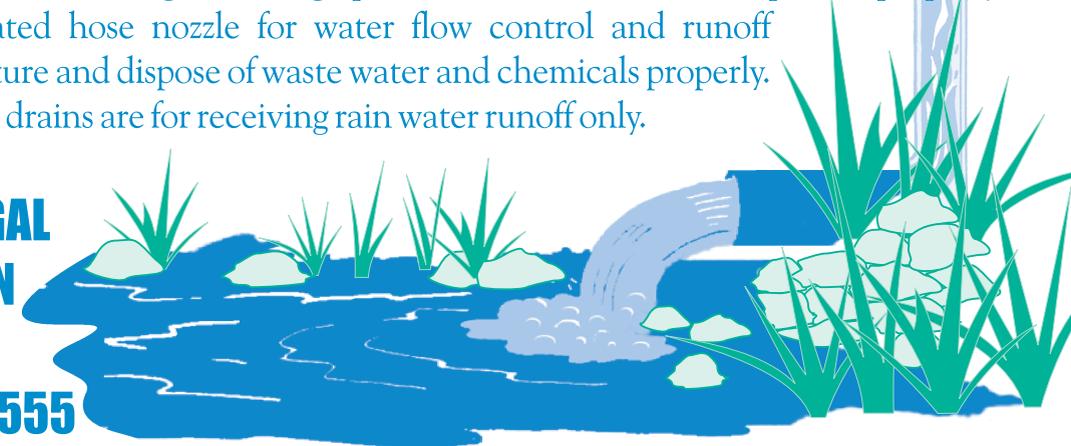
Storm drains are NOT connected to sanitary sewer systems and treatment plants!



The primary purpose of storm drains is to carry *rain* water away from developed areas to prevent flooding. Pollutants discharged to storm drains are transported directly into rivers, lakes and streams. Soaps, degreasers, automotive fluids, litter and a host of materials are washed off buildings, sidewalks, plazas and parking areas. Vehicles and equipment must be properly managed to prevent the pollution of local waterways.

Unintentional spills by mobile service operators can flow into storm drains and pollute our waterways. **Avoid mishaps.** Always have a **Spill Response Kit** on hand to clean up unintentional spills. Only emergency **Mechanical** repairs should be done in City streets, using drip pans for spills. **Plumbing** should be done on private property. Always store chemicals in a leak-proof container and keep covered when not in use. **Window/Power Washing** waste water shouldn't be released into the streets, but should be disposed of in a sanitary sewer, landscaped area or in the soil. Soiled **Carpet Cleaning** wash water should be filtered before being discharged into the sanitary sewer. Dispose of all filter debris properly. **Car Washing/Detailing** operators should wash cars on private property and use a regulated hose nozzle for water flow control and runoff prevention. Capture and dispose of waste water and chemicals properly. Remember, storm drains are for receiving rain water runoff only.

REPORT ILLEGAL STORM DRAIN DISPOSAL 1-800-506-2555



Help Protect Our Waterways!

Use these guidelines for Outdoor Cleaning Activities and Wash Water Disposal

Did you know that disposing of pollutants into the street, gutter, storm drain or body of water is **PROHIBITED** by law and can result in stiff penalties?

Best Management Practices

Waste wash water from Mechanics, Plumbers, Window/Power Washers, Carpet Cleaners, Car Washing and Mobile Detailing activities may contain significant quantities of motor oil, grease, chemicals, dirt, detergents, brake pad dust, litter and other materials.

Best Management Practices, or BMPs as they are known, are guides to prevent pollutants from entering the storm drains. *Each of us* can do our part to keep stormwater clean by using the suggested BMPs below:

Simple solutions for both light and heavy duty jobs:

Do...consider dry cleaning methods first such as a mop, broom, rag or wire brush. Always keep a spill response kit on site.

Do...prepare the work area before power cleaning by using sand bags, rubber mats, vacuum booms, containment pads or temporary berms to keep wash water away from the gutters and storm drains.

Do...use vacuums or other machines to remove and collect loose debris or litter before applying water.

Do...obtain the property owner's permission to dispose of *small amounts* of power washing waste water on to landscaped, gravel or unpaved surfaces.

Do...check your local sanitary sewer agency's policies on wash water disposal regulations before disposing of wash water into the sewer. (See list on reverse side)

Do...be aware that if discharging to landscape areas, soapy wash water may damage landscaping. Residual wash water may remain on paved surfaces to evaporate. Sweep up solid residuals and dispose of properly. Vacuum booms are another option for capturing and collecting wash water.

Do...check to see if local ordinances prevent certain activities.

Do not let...wash or waste water from sidewalk, plaza or building cleaning go into a street or storm drain.



Report illegal storm drain disposal
Call Toll Free
1-800-506-2555

Using Cleaning Agents

Try using biodegradable/phosphate-free products. They are easier on the environment, but don't confuse them with being toxic free. Soapy water entering the storm drain system can impact the delicate aquatic environment.



When cleaning surfaces with a *high-pressure washer* or *steam cleaner*, additional precautions should be taken to prevent the discharge of pollutants into the storm drain system. These two methods of surface cleaning can loosen additional material that can contaminate local waterways.

Think Water Conservation

Minimize water use by using high pressure, low volume nozzles. Be sure to check all hoses for leaks. Water is a precious resource, don't let it flow freely and be sure to shut it off in between uses.

Screening Wash Water

Conduct thorough dry cleanup before washing exterior surfaces, such as buildings and decks **with loose paint**, sidewalks or plaza areas. Keep debris from entering the storm drain after cleaning by first passing the wash water through a "20 mesh" or finer screen to catch the solid materials, then dispose of the mesh in a refuse container. Do not let the remaining wash water enter a street, gutter or storm drain.

Drain Inlet Protection & Collection of Wash Water

- Prior to any washing, block all storm drains with an impervious barrier such as sandbags or berms, or seal the storm drain with plugs or other appropriate materials.
- Create a containment area with berms and traps or take advantage of a low spot to keep wash water contained.
- Wash vehicles and equipment on grassy or gravel areas so that the wash water can seep into the ground.
- Pump or vacuum up all wash water in the contained area.

Concrete/Coring/Saw Cutting and Drilling Projects

Protect any down-gradient inlets by using dry activity techniques whenever possible. If water is used, minimize the amount of water used during the coring/drilling or saw cutting process. Place a barrier of sandbags and/or absorbent berms to protect the storm drain inlet or watercourse. Use a shovel or wet vacuum to remove the residue from the pavement. Do not wash residue or particulate matter into a storm drain inlet or watercourse.



Landscaping and garden maintenance activities can be major contributors to water pollution. Soils, yard wastes, over-watering and garden chemicals become part of the urban runoff mix that winds its way through streets, gutters and storm drains before entering lakes, rivers, streams, etc. Urban runoff pollution contaminates water and harms aquatic life!

In Riverside County, report illegal discharges into the storm drain, call 1-800-506-2555
"Only Rain Down the Storm Drain"

Important Links:

Riverside County Household Hazardous Waste Collection Information
1-800-304-2226 or www.rivcowm.org

Riverside County Backyard Composting Program
1-800-366-SAVE

Integrated Pest Management (IPM) Solutions
www.ipm.ucdavis.edu

California Master Gardener Programs
www.mastergardeners.org
www.camastergardeners.ucdavis.edu

California Native Plant Society
www.cnps.org

The Riverside County "Only Rain Down the Storm Drain" Pollution Prevention Program gratefully acknowledges Orange County's Storm Water Program for their contribution to this brochure.

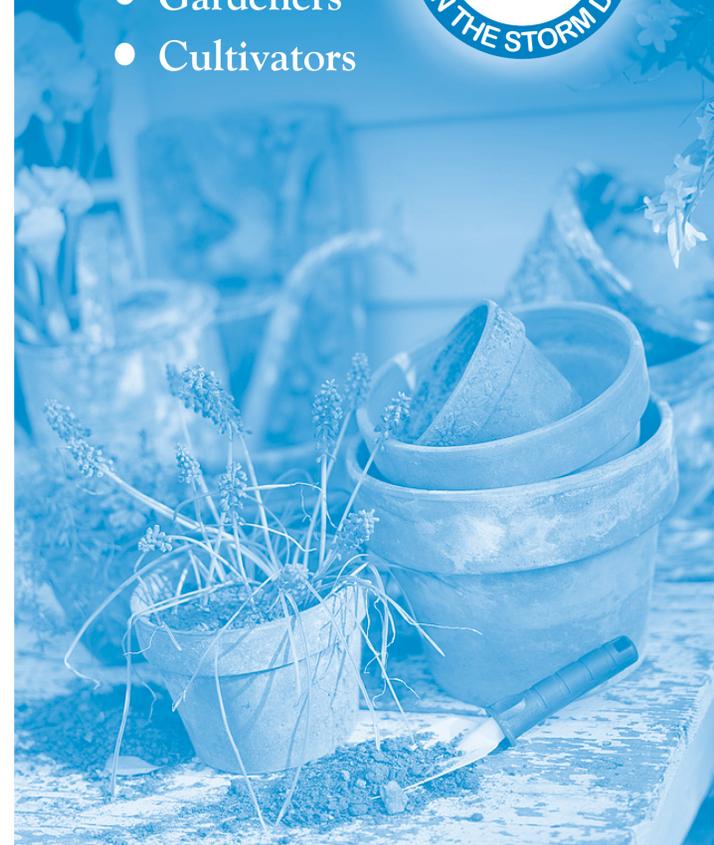


...Only Rain Down ...the Storm Drain

*What you should know for...
Landscape and Gardening*

Best Management tips for:

- Professionals
- Novices
- Landscapers
- Gardeners
- Cultivators



Tips for Landscape & Gardening

This brochure will help you to get the most of your lawn and gardening efforts and keep our waterways clean. Clean waterways provide recreation, establish thriving fish habitats, secure safe sanctuaries for wildlife, and add beauty to our communities. NEVER allow gardening products or waste water to enter the street, gutter or storm drain.

General Landscaping Tips

- Protect stockpiles and materials from wind and rain by storing them under tarps or secured plastic sheeting.
- Prevent erosion of slopes by planting fast-growing, dense ground covering plants. These will shield and bind the soil.
- Plant native vegetation to reduce the amount of water, fertilizers and pesticides applied to the landscape.
- Never apply pesticides or fertilizers when rain is predicted within the next 48 hours.



Garden & Lawn Maintenance

- Do not overwater. Use irrigation practices such as drip irrigation, soaker hoses or micro-spray systems. Periodically inspect and fix leaks and misdirected sprinklers.

- Do not rake or blow leaves, clippings or pruning waste into the street, gutter or storm drain. Instead, dispose of green waste by composting, hauling it to a permitted landfill, or recycling it through your city's program.



- Consider recycling your green waste and adding "nature's own fertilizer" to your lawn or garden.
- Read labels and use only as directed. Do not over-apply pesticides or fertilizers. Apply to spots as needed, rather than blanketing an entire area.
- Store pesticides, fertilizers and other chemicals in a dry covered area to prevent exposure that may result in the deterioration of containers and packaging.
- Rinse empty pesticide containers and re-use rinse water as you would use the product. Do not dump rinse water down storm drains or sewers. Dispose of empty containers in the trash.
- When available, use non-toxic alternatives to traditional pesticides, and use pesticides specifically designed to control the pest you are targeting.

- Try natural long-term common sense solutions first. Integrated Pest Management (IPM) can provide landscaping guidance and solutions, such as:

- ◆ **Physical Controls** - Try hand picking, barriers, traps or caulking holes to control weeds and pests.
- ◆ **Biological Controls** - Use predatory insects to control harmful pests.
- ◆ **Chemical Controls** - Check out www.ipm.ucdavis.edu before using chemicals. Remember, all chemicals should be used cautiously and in moderation.

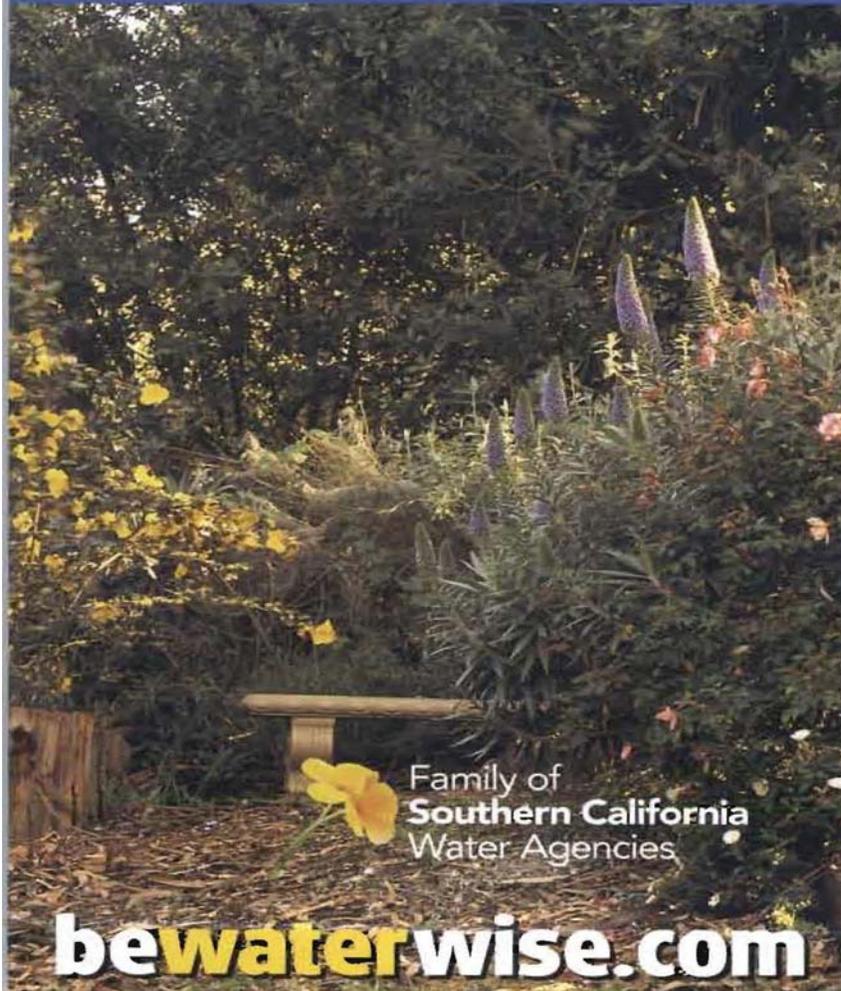
- If fertilizer is spilled, sweep up the spill before irrigating. If the spill is liquid, apply an absorbent material such as cat litter, and then sweep it up and dispose of it in the trash.
- Take unwanted pesticides to a Household Waste Collection Center to be recycled.
- *Dumping toxics into the street, gutter or storm drain is illegal!*

www.bewaterwise.com Great water conservation tips and drought tolerant garden designs.

www.ourwaterourworld.com Learn how to safely manage home and garden pests.

Additional information can also be found on the back of this brochure.

10 Ways to **Save** Water Outdoors



Family of
Southern California
Water Agencies

bewater**wise.com**

TIP #1 The average homeowner uses twice the amount of water needed to keep plants healthy. Use the watering calculator and index at bewaterwise.com to know exactly how much water your plants need.

TIP #2 Check your sprinkler system for leaks, overspray and broken sprinkler heads. Update with drip or other more water-efficient sprinklers where appropriate.

TIP #3 This fall, plant a portion of your garden with beautiful native and California Friendly plants. Browse the plant database at bewaterwise.com to find just the right look for your outdoor spaces.

TIP #4 Reduce the amount of water-thirsty grass. Keep only what you need and replace the rest with less-thirsty plants or permeable paving.

TIP #5 For the grass you keep, set your lawnmower blade higher.

TIP #6 Adjust your sprinkler timer downward in September. Plants need less water when days are shorter.

TIP #7 Use a broom instead of the hose for cleaning sidewalks and patios.

TIP #8 Mulch! A layer of bark, gravel, compost, sawdust or low-growing groundcover evens out soil temperature and allows better water retention.

TIP #9 Check the list of invasive plants that hurt our environment at caleppc.org and remove any from your garden.

TIP #10 Share these tips with your gardener, neighbors and friends. Water conservation should be a part of every Southern Californian's lifestyle, but that doesn't mean we can't have lush and beautiful outdoor spaces.

bewaterwise.com



A Citizen's Guide to Understanding Stormwater



EPA United States Environmental Protection Agency

EPA 833-B-03-002

January 2003

Internet Address (URL): <http://www.epa.gov>
Oil Based Inks on 100% Postconsumer Recycled Paper • Printed with Vegetable Process Chlorine Free Recycled Paper



After the Storm

For more information contact:
www.epa.gov/nps/stormwater
or visit
www.epa.gov/nps



What is stormwater runoff?

Stormwater runoff occurs when precipitation from rain or snowmelt flows over the ground. Impervious surfaces like driveways, sidewalks, and streets prevent stormwater from naturally soaking into the ground.



Why is stormwater runoff a problem?

Stormwater can pick up debris, chemicals, dirt, and other pollutants and flow into a storm sewer system or directly to a lake, stream, river, wetland, or coastal water. Anything that enters a storm sewer system is discharged untreated into the waterbodies we use for swimming, fishing, and providing drinking water.



The effects of pollution

Polluted stormwater runoff can have many adverse effects on plants, fish, animals, and people.

- ◆ Sediment can cloud the water and make it difficult or impossible for aquatic plants to grow. Sediment also can destroy aquatic habitats.
- ◆ Excess nutrients can cause algae blooms. When algae die, they sink to the bottom and decompose in a process that removes oxygen from the water. Fish and other aquatic organisms can't exist in water with low dissolved oxygen levels.
- ◆ Bacteria and other pathogens can wash into swimming areas and create health hazards, often making beach closures necessary.
- ◆ Debris—plastic bags, six-pack rings, bottles, and cigarette butts—washed into waterbodies can choke, suffocate, or disable aquatic life like ducks, fish, turtles, and birds.
- ◆ Household hazardous wastes like insecticides, pesticides, paint, solvents, used motor oil, and other auto fluids can poison aquatic life. Land animals and people can become sick or die from eating diseased fish and shellfish or ingesting polluted water.



◆ Polluted stormwater often affects drinking water sources. This, in turn, can affect human health and increase drinking water treatment costs.



Stormwater Pollution Solutions



Education is essential to changing people's behavior. Signs and markers near storm drains warn residents that pollutants entering the drains will be carried untreated into a local waterbody.

Residential

Recycle or properly dispose of household products that contain chemicals, such as insecticides, pesticides, paint, solvents, and used motor oil and other auto fluids. Don't pour them onto the ground or into storm drains.

Lawn care

Excess fertilizers and pesticides applied to lawns and gardens wash off and pollute streams. In addition, yard clippings and leaves can wash into storm drains and contribute nutrients and organic matter to streams.



- ◆ Don't overwater your lawn. Consider using a soaker hose instead of a sprinkler.
- ◆ Use pesticides and fertilizers sparingly. When use is necessary, use these chemicals in the recommended amounts. Use organic mulch or safer pest control methods whenever possible.
- ◆ Compost or mulch yard waste. Don't leave it in the street or sweep it into storm drains or streams.
- ◆ Cover piles of dirt or mulch being used in landscaping projects.

Septic systems

Leaking and poorly maintained septic systems release nutrients and pathogens (bacteria and viruses) that can be picked up by stormwater and discharged into nearby waterbodies. Pathogens can cause public health problems and environmental concerns.



- ◆ Inspect your system every 3 years and pump your tank as necessary (every 3 to 5 years).
- ◆ Don't dispose of household hazardous waste in sinks or toilets.

Auto care

Washing your car and degreasing auto parts at home can send detergents and other contaminants through the storm sewer system. Dumping automotive fluids into storm drains has the same result as dumping the materials directly into a waterbody.



- ◆ Use a commercial car wash that treats or recycles its wastewater, or wash your car on your yard so the water infiltrates into the ground.
- ◆ Repair leaks and dispose of used auto fluids and batteries at designated drop-off or recycling locations.

Pet waste

Pet waste can be a major source of bacteria and excess nutrients in local waters.



- ◆ When walking your pet, remember to pick up the waste and dispose of it properly. Flushing pet waste is the best disposal method. Leaving pet waste on the ground increases public health risks by allowing harmful bacteria and nutrients to wash into the storm drain and eventually into local waterbodies.

Residential landscaping

Permeable Pavement—Traditional concrete and asphalt don't allow water to soak into the ground. Instead these surfaces rely on storm drains to divert unwanted water. Permeable pavement systems allow rain and snowmelt to soak through, decreasing stormwater runoff.

Rain Barrels—You can collect rainwater from rooftops in mosquito-proof containers. The water can be used later on lawn or garden areas.



Rain Gardens and Grassy Swales—Specially designed areas planted with native plants can provide natural places for



rainwater to collect and soak into the ground. Rain from rooftop areas or paved areas can be diverted into these areas rather than into storm drains.

Vegetated Filter Strips—Filter strips are areas of native grass or plants created along roadways or streams. They trap the pollutants stormwater picks up as it flows across driveways and streets.



Commercial

Dirt, oil, and debris that collect in parking lots and paved areas can be washed into the storm sewer system and eventually enter local waterbodies.

- ◆ Sweep up litter and debris from sidewalks, driveways and parking lots, especially around storm drains.
- ◆ Cover grease storage and dumpsters and keep them clean to avoid leaks.
- ◆ Report any chemical spill to the local hazardous waste cleanup team. They'll know the best way to keep spills from harming the environment.

Erosion controls that aren't maintained can cause excessive amounts of sediment and debris to be carried into the stormwater system. Construction vehicles can leak fuel, oil, and other harmful fluids that can be picked up by stormwater and deposited into local waterbodies.

- ◆ Divert stormwater away from disturbed or exposed areas of the construction site.
- ◆ Install silt fences, vehicle mud removal areas, vegetative cover, and other sediment and erosion controls and properly maintain them, especially after rainstorms.
- ◆ Prevent soil erosion by minimizing disturbed areas during construction projects, and seed and mulch bare areas as soon as possible.



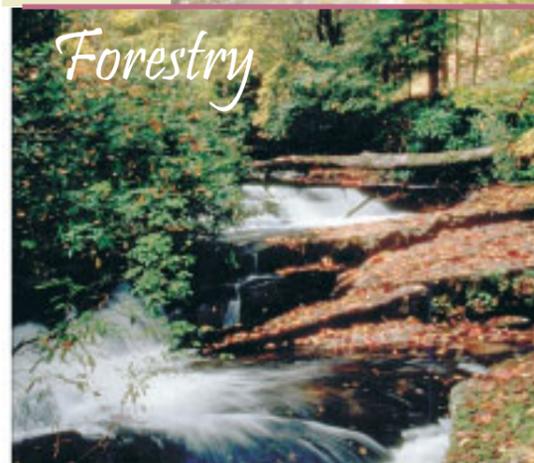
Construction



Agriculture

Lack of vegetation on streambanks can lead to erosion. Overgrazed pastures can also contribute excessive amounts of sediment to local waterbodies. Excess fertilizers and pesticides can poison aquatic animals and lead to destructive algae blooms. Livestock in streams can contaminate waterways with bacteria, making them unsafe for human contact.

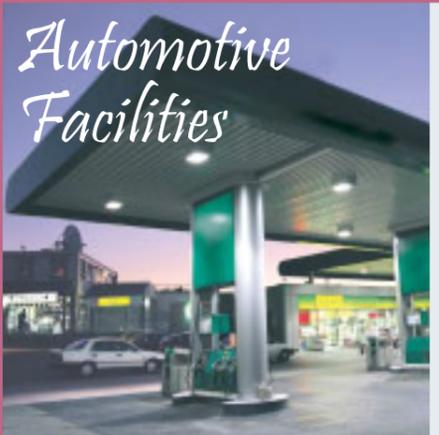
- ◆ Keep livestock away from streambanks and provide them a water source away from waterbodies.
- ◆ Store and apply manure away from waterbodies and in accordance with a nutrient management plan.
- ◆ Vegetate riparian areas along waterways.
- ◆ Rotate animal grazing to prevent soil erosion in fields.
- ◆ Apply fertilizers and pesticides according to label instructions to save money and minimize pollution.



Forestry

Improperly managed logging operations can result in erosion and sedimentation.

- ◆ Conduct preharvest planning to prevent erosion and lower costs.
- ◆ Use logging methods and equipment that minimize soil disturbance.
- ◆ Plan and design skid trails, yard areas, and truck access roads to minimize stream crossings and avoid disturbing the forest floor.
- ◆ Construct stream crossings so that they minimize erosion and physical changes to streams.
- ◆ Expedite revegetation of cleared areas.



Automotive Facilities

Uncovered fueling stations allow spills to be washed into storm drains. Cars waiting to be repaired can leak fuel, oil, and other harmful fluids that can be picked up by stormwater.

- ◆ Clean up spills immediately and properly dispose of cleanup materials.
- ◆ Provide cover over fueling stations and design or retrofit facilities for spill containment.
- ◆ Properly maintain fleet vehicles to prevent oil, gas, and other discharges from being washed into local waterbodies.
- ◆ Install and maintain oil/water separators.



**RIVERSIDE COUNTY
ANIMAL SERVICES LOCATIONS:**

www.rcdas.org

BLYTHE

16450 West Hobson Way
Blythe, CA 92225
760-921-7857

COACHELLA VALLEY ANIMAL CAMPUS

72-050 Petland Place
Thousand Palms, CA 92276
760-343-3644

RIVERSIDE COUNTY ANIMAL SERVICES

6851 Van Buren Blvd.
Riverside, CA 92509
951-688-4340

OTHER ANIMAL SHELTERS:

ANIMAL CARE CENTER OF INDIRIO

45-355 Van Buren
Indio, CA 92201
760-391-4138

ANIMAL FRIENDS OF THE VALLEYS

29001 Bastron Avenue
Lake Elsinore, CA 92530
951-674-0618

(Serving incorporated Temecula, Wildomar,
Lake Elsinore, Murrieta and Canyon Lake)

MARY S. ROBERTS PET ADOPTION CENTER

6185 Industrial Avenue
Riverside, CA 92504
951-688-4340

RAMONA HUMANE SOCIETY

690 Humane Way
San Jacinto 92586
951-654-8002

(Serving Sun City, Menifee, Romoland and Homeland)

Looking to adopt a pet?

This website is linked to many animal shelters.
www.petfinder.com

To report illegal storm drain disposal, call
1-800-506-2555

Or visit our website at www.rcflood.org

E-mail fcnpdes@rcflood.org

What's the Scoop?

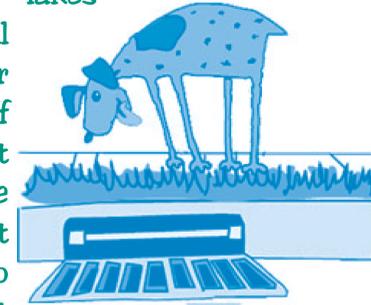


TIPS FOR A HEALTHY PET AND A HEALTHIER ENVIRONMENT

CREATE A HEALTHY ENVIRONMENT in and around your home by following these simple pet practices. Your pet, family and neighbors will appreciate their clean comfortable surroundings.

HOUSEHOLD PETS

We all love our pets, but pet waste is a subject everyone likes to avoid. Pet waste left on trails, sidewalks, streets and grassy areas can be washed into the nearest waterway when it rains. Even if you can't see streams or lakes near you, rainfall (stormwater) or sprinkler runoff can wash pet waste into the storm drains that carry runoff to the nearest streams or lakes untreated.



The risk of stormwater contamination increases if pet waste is allowed to accumulate in outdoor animal pen areas or left on sidewalks, streets or driveways.



Pet waste contains nutrients and bacteria. Nutrients can promote the growth of algae in streams and lakes. Algae can cause fish kills and other environmental damage if it is fed too many nutrients. Pet Waste also contains e. Coli and fecal bacteria, which

can cause disease in other animals and humans that come in contact with it when swimming or splashing in streams and lakes. Dogs also carry salmonella and giardia, which can make people sick.

Pet waste that is not picked up and properly disposed can also increase vector problems. Flies and other insects are not only attracted to and feed on pet waste, but can also be infected with diseases and spread those diseases to humans and other animals.

WHAT CAN YOU DO?

- **SCOOP** up pet waste and flush it down the toilet or place in trash can.
- **NEVER DUMP** pet waste into a storm drain or catch basin.
- **USE** the complimentary bags or mutt mitts offered in dispensers at local parks.
- **CARRY EXTRA BAGS** when walking your dog and make them available to other pet owners who are without.
- **TEACH CHILDREN** how to properly clean up after a pet.
- **TELL FRIENDS AND NEIGHBORS** about the ill effects of animal waste on the environment. Encourage them to clean up after pets.

Call 1-800-506-2555 TOLL FREE to report illegal dumping to the storm drain, find the dates and times of local Household Hazardous Waste Collection Events, obtain additional information on stormwater problems and solutions, request presentations about stormwater pollution in your child's classroom, or learn about free grasscycling and composting workshops.

SCOOP THE POOP

Many communities have "Scoop the Poop" laws that govern pet waste cleanup.

Some of these laws specifically require anyone who walks an animal off their property to carry a bag, shovel, or scooper. Any waste left by the animal must be cleaned up immediately. **CALL YOUR LOCAL CODE ENFORCEMENT OFFICE** to find out more about pet waste regulations.



OTHER WAYS TO PROTECT YOUR PETS AND THE ENVIRONMENT

Pets are only one of many sources that contribute to water pollution. However, these other sources of water pollution cannot only harm the environment but also harm your pet. Improperly used or stored lawn fertilizers, pesticides, soaps, grease and vehicle fluids cannot only be washed into local streams and lakes, these chemicals can also harm your pet if they ingest or touch these chemicals. Call 1-800-506-2555 for information regarding how to properly dispose of household hazardous wastes

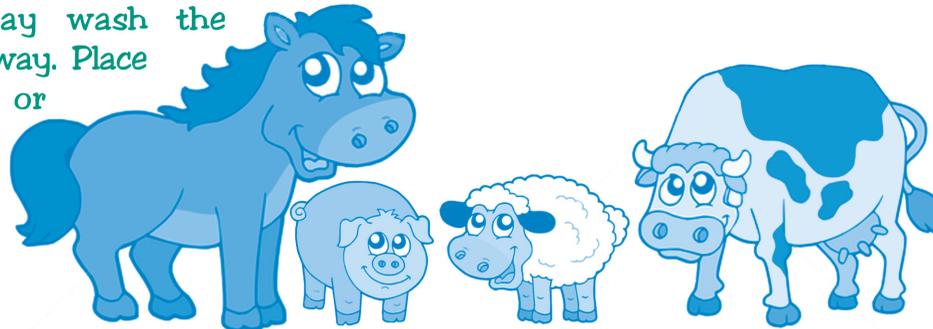
such as these. You can also keep your pets and our environment healthy by properly maintaining your vehicles, and limiting use of pesticides and fertilizers to only the amount that is absolutely needed.

Make sure to not only protect your pets, but to also protect your neighbors pets. **NEVER HOSE VEHICLE FLUIDS** into the street or gutter. **USE ABSORBENT MATERIALS** such as cat litter to clean-up spills. **SWEEP UP** used absorbent materials and place it in the trash.

HORSES AND LIVESTOCK

Fortunate enough to own a horse or livestock? You, too, can play a part in protecting and cleaning up our water resources. The following are a few simple Best Management Practices (BMPs) specifically designed for horses and livestock.

- **STORE** your manure properly. Do not store unprotected piles of manure in places where stormwater runoff may wash the manure away. Place a cover or tarp over the pile to keep rainwater out.



- **BUILD** a manure storage facility to protect your pets, property and the environment. These structures usually consist of a concrete pad to protect groundwater and a short wall on one or two sides to make manure handling easier.
- **READ** the Only Rain Down the Storm Drain brochure titled "Tips for Horse Care" for additional guidance and recommendations. This brochure should be available from your local city office or for download at www.rcflood.org/stormwater.
- **KEEP** animals out of streams - Horses and livestock can defecate in streams causing stormwater pollution. Livestock and horses in streams can also disturb sensitive habitat and vegetation, causing additional environmental damage. Keep livestock and horses away from streams and use designated stream crossings whenever possible.

- **MATERIAL STORAGE SAFETY TIPS**
Many of the chemicals found in barns require careful handling and proper disposal. When using these chemicals, be certain to follow these common sense guidelines:
 - ◆ Buy only what you need.
 - ◆ Treat spills of hoof oils like a fuel spill. Use kitty litter to soak up the oil and dispose of it in a tightly sealed plastic bag.
 - ◆ Store pesticides in a locked, dry, well-ventilated area.
 - ◆ Protect stored fertilizer and pesticides from rain and surface water.

RESOURCE CONSERVATION DISTRICTS CAN HELP

Call 1-800-506-2555 for assistance with locating a local conservation district that can help you properly manage your manure, re-establish healthy pastures, control weeds, or identify appropriate grasses for your soils.

Thank you for doing your part to protect your watershed, the environment, your pets and your community!



Tips for Horse Care and Barn Keeping



Stormwater Pollution

What you should know...

If not properly managed, rainfall and runoff that come into contact with manure, horse care products, and wash water can carry nutrients, sediment, bacteria, salts, and toxic pollutants to storm

drains and streams, negatively affecting water quality and the environment. Listed below are some environmentally responsible steps to keep in mind when caring for your horses, barns and pastures.

Grooming

- Only use pest control and grooming products (*saddle and tack cleaning and conditioning products, shampoos and conditioners, show shine, hoof polish, etc.*) where needed and avoid use in areas exposed to runoff. Spot-apply pesticides and fungicides to avoid over use and keep from areas exposed to stormwater. Follow instructions on products, use sparingly and clean up spills.
- Store all pest control, grooming, and horse and tack care products in covered areas where they will not come into contact with stormwater, and post signs reminding boarders and staff not to dump any excess products. For proper disposal of unused horse care products, please call **1-800-304-2226** or visit the Riverside County Waste Management Department at **www.rivcowm.org**.
- For indoor wash stalls, ensure that floor drains are connected to septic system or drain to areas where the washwater can soak into the ground. Outside, ensure that washwater can seep into the ground. Always prevent washwater from entering a storm drain or stream. Creating a small berm around the area can prevent washwater from leaving the area.
- Conserving water is an important way to protect streams. Conserve water by using a spray nozzle with an automatic shut-off. Turn off the water when not in use.



Manure Management

Store manure in a covered, enclosed compost bin located in an area that will not result in any drainage or runoff. Where enclosed bins aren't feasible, manure storage sites should be located under a covered area on a nearly flat surface, 50 - 100 feet from any stream or storm drain.

Pasture Management

- Sweep or shovel horse holding areas daily to reduce the tracking of manure and soil. **Do not wash down these areas!**
- Fencing horses out of streams is important to protect surface waters. Locate paddock areas and fencing so horses are kept away from streams. Wherever possible, choose paddock areas where runoff will drain into the ground.
- Plant or allow vegetation to grow around the perimeter of paddock areas to provide for natural filtration of runoff.

Grazing

Over-grazing in a paddock or pasture can lead to exposed soil and soil erosion, which increases runoff to streams and surface waters; allow about one acre per horse and rotate pasturing where possible.

Responsibility for water quality begins with YOU



Using and Disposing of Manure and Bedding

- Compost used bedding and manure. See <http://compostingcouncil.org> for more information.
- Composted bedding and manure may be donated to local greenhouses, nurseries, botanical parks, topsoil companies or composting centers.
- Contact your municipality regarding disposal programs and requirements.
- Always protect stables, storage, and compost stockpiles from runoff by keeping them out of stream courses.

Barn and Stable Design

Have your engineer check with your City or County building department for information about stable design requirements and best practices, such as good surfacing materials, manure and care product storage areas, and locating wash and storage areas away from areas that could affect water quality.

Resources

Contact your city or county stormwater representative for any applicable local ordinances.

For more information, Please call Riverside County's "Only Rain Down the Storm Drain" at 1-800-506-2555 or visit the website at rcstormwater.org

Saltwater Pools

- Salt water pools, although different from regular pools, are in fact, sanitized using chlorine. A salt-chlorine generator separates the chlorine and sodium molecules in salt and reintroduces them into the pool water. The same harmful effects of chlorine still apply.
- A salt water pool is still maintained with chemicals such as Muriatic acid, soda ash and sodium carbonate to help keep a proper pH, total Alkalinity, Calcium Hardness and Stabilizer levels.



- It may be illegal to discharge salt water to land. The salt may kill plants and the build-up of salt in soil puts animals, plants, and groundwater at risk. Consult your city representatives to determine local requirements regarding salt water drainage.

NEVER put unused chemicals into the trash, onto the ground or down a storm drain.

IMPORTANT: The discharge of pollutants into the street, gutter, storm drain system or waterways - without a permit or waiver - **is strictly prohibited by local ordinances, state and federal law.** Violations may result in monetary fines and enforcement actions.

Helpful telephone numbers and links

RIVERSIDE COUNTY WATER AGENCIES:

City of Banning.....	(951) 922-3130
City of Beaumont/Cherry Valley.....	(951) 845-9581
City of Blythe.....	(760) 922-6161
City of Coachella.....	(760) 398-3502
City of Corona.....	(951) 736-2263
City of Hemet.....	(951) 765-3710
City of Norco.....	(951) 270 5607
City of Riverside Public Works.....	(951) 351-6140
City of San Jacinto.....	(951) 654-4041
Coachella Valley Water District.....	(760) 398-2651
Desert Water Agency (Palm Springs).....	(760) 323-4971
Eastern Municipal Water District.....	(951) 928-3777
Elsinore Valley Municipal Water District.....	(951) 674 3146
Elsinore Water District.....	(951) 674-2168
Farm Mutual Water Company.....	(951) 244-4198
Idyllwild Water District.....	(951) 659-2143
Indio Water Authority.....	(760) 391-4129
Jurupa Community Services District.....	(951) 685-7434
Lee Lake Water.....	(951) 658-3241
Mission Springs Water.....	(760) 329-6448
Rancho California Water District.....	(951) 296-6900
Ripley, CSA #62.....	(760) 922-4951
Riverside Co. Service Area #51.....	(760) 227-3203
Rubidoux Community Services District.....	(951) 684-7580
Valley Sanitary District.....	(760) 347-2356
Western Municipal Water District.....	(951) 789-5000
Yucaipa Valley Water District.....	(909) 797-5117

CALL 1-800-506-2555 to:

- Report clogged storm drains or illegal storm drain disposal from residential, industrial, construction and commercial sites into public streets, storm drains and/or water bodies.
- Find out about our various storm drain pollution prevention materials.
- Locate the dates and times of Household Hazardous Waste (HHW) Collection Events.
- Request adult, neighborhood, or classroom presentations.
- Locate other County environmental services.
- Receive grasscycling information and composting workshop information.

Or visit our

Riverside County Flood Control and Water Conservation District website at: www.rcflood.org

Other links to additional storm drain pollution information:

- County of Riverside Environmental Health: www.rivcoeh.org
- State Water Resources Control Board: www.waterboards.ca.gov
- California Stormwater Quality Association: www.casqa.org
- United States Environmental Protection Agency (EPA): www.epa.gov/compliance/assistance (compliance assistance information)



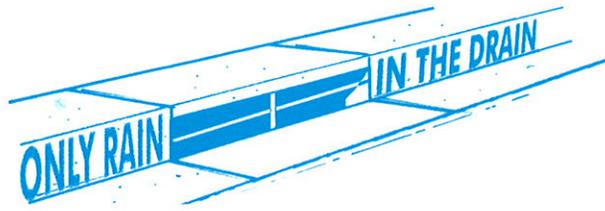
Riverside County's, "Only Rain Down the Storm Drain" Pollution Prevention Program gratefully acknowledges the Bay Area Stormwater Management Agencies Association and the Cleaning Equipment Trade Association for information provided in this brochure.

Guidelines for Maintaining your...



Swimming Pool, Jacuzzi and Garden Fountain

Where does the water go?



Pool, Jacuzzi and Fountain wastewater and rain water runoff (also called stormwater) that reach streets can enter the storm drain and be conveyed directly into local streams, rivers and lakes.



A storm drain's purpose is to prevent flooding by carrying rain water away from developed areas. Storm drains are not connected to sanitary sewers systems and treatment plants!

Wastewater, from residential swimming pools, Jacuzzis, fishponds and fountains, often contains chemicals used for sanitizing or cleansing purposes. Toxic chemicals (such as chlorine or copper-based algaecides) may pollute the environment when discharged into a storm drain system.

The Cities and County of Riverside have adopted ordinances that prohibit the discharge of wastewater to the street and storm drain system.



Discharge Regulations

Regulatory requirements for discharging wastewater from your pool may differ from city to city. Chlorinated water should not be discharged into the street, storm drain or surface waters. Check with your water agency to see if disposal to the sanitary sewer line is allowed for pool discharges (see reverse for Riverside County sewer agencies).

If allowed, a hose can be run from the pool Jacuzzi, or fountain to the private sewer cleanout, washing machine drain or a sink or bathtub.



If you cannot discharge to the sewer, you may drain your fountain, pool, or jacuzzi to your landscaping by following these guidelines:

First, reduce or eliminate solids (e.g. debris, leaves or dirt) in the pool water and allow the chemicals in the pool water to dissipate before draining the pool (this could take up to 7 days, verify using a home pool test kit).

Second, slowly drain to a landscaped area away from buildings or structures. Control the flow to prevent soil erosion; it may take more than one day to empty. Do not allow sediment to enter the street, gutter or storm drain.

Maintenance & Chemicals

Cleaning Filters

Filter rinse water and backwash must be discharged to the sanitary sewer, on-site septic tank and drain field system (if properly designed and adequately sized), or a seepage pit. Alternatively, rinse water or backwash may be diverted to landscaped or dirt areas. Filter media and other non-hazardous solids should be picked up and disposed of in the trash.



Algaecides

Avoid using copper-based algaecides unless absolutely necessary. Control algae with chlorine, organic polymers or other alternatives to copper-based pool chemicals. Copper is a heavy metal that can be toxic to aquatic life when you drain your pool.

Chemical Storage and Handling

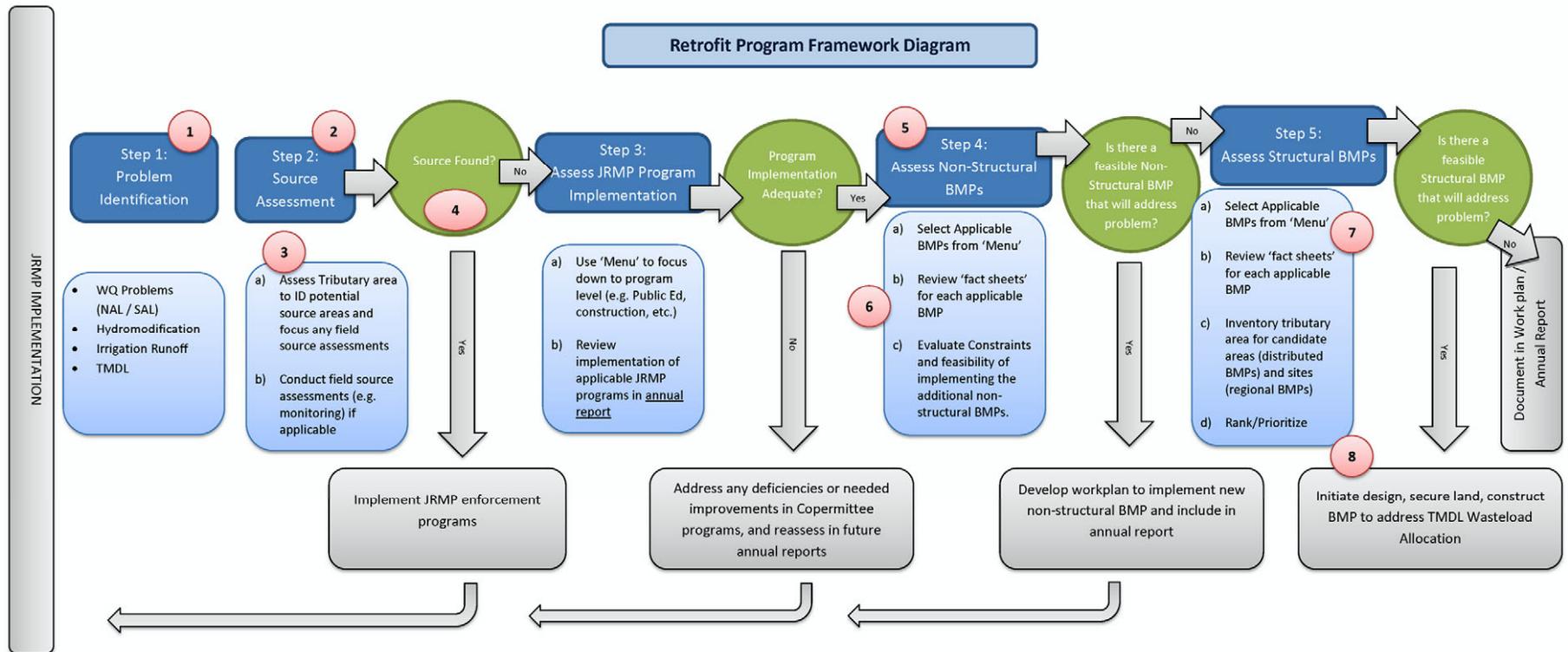
- Use only the amount indicated on product labels
- Store chlorine and other chemicals in a covered area to prevent runoff. Keep out of reach of children and pets.
- Chlorine kits, available at retail swimming pool equipment and supply stores, should be used to monitor the chlorine and pH levels before draining your pool.
- Chlorine and other pool chemicals should never be allowed to flow into the gutter or storm drain system.

Take unwanted chemicals to a Household Hazardous Waste (HHW) Collection Event. There's no cost for taking HHW items to collection events – it's FREE! Call 1-800-506-2555 for a schedule of HHW events in your community.



Attachment G

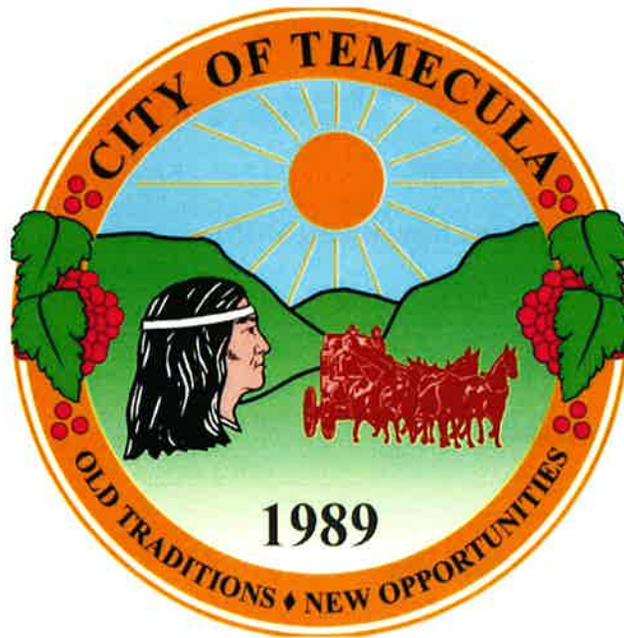
Retrofit Program Framework Diagram



**CITY OF TEMECULA
ANNUAL PROGRESS REPORT**

**NPDES MUNICIPAL STORMWATER PERMIT
(Order No. R9-2010-0016)**

**Reporting Period
July 1, 2013 to June 30, 2014**



**Submitted to the
San Diego Regional Water Quality Control Board
October 30, 2014**

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1.0 EXECUTIVE SUMMARY

This annual report represents the status of the City of Temecula's (City) National Pollutant Discharge Elimination System (NPDES) Program as required by the Municipal Separate Storm-Sewer System (MS4) Permit (Permit) issued to the Santa Margarita River (SMR) watershed permittees of Riverside County in 2010. This report covers the reporting period between July 1, 2013 and June 30, 2014 and specifically addresses the Permit's reporting requirements for each component. The City's NPDES program is based on its Jurisdictional Runoff Management Program (JRMP) Plan, which consists of written policies and procedures intended to guide each component of the program. These components consist of: Development Planning (WQMP/SSMP), Construction, Existing Development (throughout our Municipal, Industrial, Commercial, and Residential communities), Retrofitting of Existing Development, Illicit Discharge Detection and Elimination, and Education and Outreach.

Throughout this Permit term, the City collected a considerable amount of data required by the permit to demonstrate compliance. The data presented in each section of this report demonstrates the City's significant investment, dedication, and commitment to each of the permit components presented herein.

In addition to the metrics presented throughout this report, other indicators also provided strong evidence of positive results. For example, field observations showed that the City's persistent emphasis on inspections and outreach at construction sites were the largest contributing factors in maintaining compliance. Similarly, routine education was the largest contributing factor in having the City's field personnel become proficient at identifying and addressing compliance issues.

Another important factor contributing to positive results was the continued level of cooperation and coordination among City departments. For example, the Engineering, Planning, Building, Community Services, Fire, and Police departments continued to work closely together as a Development Review Committee (DRC) to ensure that all development requirements, such as the WQMP, were addressed early-on during a project's application review process to ensure compliance and avoid design conflicts during subsequent plan checks. The result of this combination of cooperation and coordination ensured compliant WQMP submittals from the development community.

The City does not own, operate, or maintain the sewer system. Moreover, the City contracts with County Fire and Police departments for services. As such, the City, working with these agencies, is able to address irrigation runoff, reclaimed water usage, accidental sewage releases, and fire hydrant testing. In addition, the City works closely with our principle permittee (Riverside County Flood Control District) to ensure compliance with our regional MS4 components that they administer on behalf of the permittees.

Overall, the City continues to focus on purpose-driven strategies to allocate our limited resources in areas requiring the most attention and yielding the best results.

2.0 DEVELOPMENT PLANNING

1) General Plan/Environmental Review per Section K.3.c.(4)1 of the Permit.

a) Description of any amendments/updates to the General Plan per Section F.1.a.

There were no NPDES-related amendments or updates to the General Plan during this reporting period.

b) Description of any amendments/updates to the environmental review process per Section F.1.b..

There were no NPDES-related amendments or updates to the environmental review process during this reporting period.

c) Description of any planned updates to the General Plan or the environmental review process within the next Annual Reporting period per Sections F.1.a.&b.

There are no NPDES-related updates planned for the General Plan or to the environmental review process during the next reporting period. However, significant updates to the WQMP/SSMP guidance documents and accompanying project-specific template were completed and became effective on July 11, 2014.

2) Standard Stormwater Mitigation Plan (SSMP)/Water Quality Management Plan (WQMP) status per Sections F.1.d. and K.3.c.(4)2.

Description of all revisions to the SSMP/WQMP, including where applicable:

a) Identification and summary of where the SSMP/WQMP fails to meet the requirements of the 2010 SMR MS4 Permit per Section F.1.d.:

The City implemented the 2006 version of the Riverside County WQMP guidelines and accompanying template (updated 2009) during this reporting period. The City and its affiliated permittees did not identify any areas failing to meet the permit requirements. As such, revisions to the existing WQMP guidelines and accompanying template were not required during this reporting period.

b) Updated procedures for identifying Pollutants of Concern for each Priority Development Project per Section F.1.d.(3):

Revisions to the existing guidelines and accompanying template were not required during this reporting period. Please refer to the new WQMP guidelines and accompanying template that became effective on July 11, 2014.

c) Updated Treatment Control BMP ranking matrix per Section F.1.d.(6)(b)(i):

Revisions to the existing guidelines and accompanying template were not required during this reporting period. Please refer to the new WQMP guidelines and accompanying template that became effective on July 11, 2014.

d) Updated Site Design and Treatment Control BMP design standards per Sections F.1.d.(4)(c)(i) and F.1.d.(6)(b)(ii).

Revisions to the existing LID BMP Design Handbook standards were not required during this reporting period. However, the City plans on updating the impervious surface criteria for new development projects. The update consists of revising Temecula’s city-specific impervious surface criteria from 5,000 square feet to 10,000 square feet to be consistent with section F.1.d (2)(a) of the permit.

3) Priority Development Projects (PDPs) per Section K.3.c.(4)3.

- a) The City reviewed and approved (15) Priority Development Projects during this reporting period. Attachment B contains the tally of all finalized WQMPs accepted since July 2005.
- b) The following LID and Source Control BMPs were required, as applicable, in each of the approved Priority Development Projects as required by the Permit:

Reference	LID BMP Requirements
F.1.c.(2)(a)	Conserve natural areas, including existing trees, other native vegetation, and soils.
F.1.c.(2)(b)	Construct streets, sidewalks, or parking lots aisles to the minimum widths necessary, provided that public safety is not compromised.
F.1.c.(2)(c)	Minimize the impervious footprint of the project.
F.1.c.(2)(d)	Minimize soil compaction to landscaped areas.
F.1.c.(2)(e)	Minimize disturbances to natural drainages.
F.1.c.(2)(f)	Disconnect impervious surfaces through distributed pervious areas.
F.1.c.(2)(b)(i)	Maintain or restore natural storage reservoirs and drainage corridors (including depressions, areas of permeable soils, swales, and ephemeral and intermittent streams).
F.1.c.(2)(b)(ii)	Construct pervious areas to effectively receive and infiltrate, retain and/or treat runoff from pervious areas, and to minimize soil compaction in these areas.
F.1.c.(2)(b)(iii)	Construct low-traffic areas with permeable surfaces, where appropriate soil conditions exist.
F.1.c.(2)(c)(i)	Structural Infiltration BMPs.
F.1.c.(2)(c)(ii)	Structural Bioretention BMPs.
	Source Control BMP Requirements
F.1.d.(5)(a)	Prevent illicit discharges into the MS4.
F.1.d.(5)(b)	Minimize storm water pollutants of concern in runoff.
F.1.d.(5)(c)	Eliminate irrigation runoff.

F.1.d.(5)(d)	Include storm drain system stenciling or signage.
F.1.d.(5)(e)	Include properly designed outdoor material storage areas.
F.1.d.(5)(f)	Include properly designed outdoor work areas.
F.1.d.(5)(g)	Include properly designed trash storage areas.
F.1.d.(5)(h)	Include water quality protection requirements applicable to individual priority project categories.

c) The following process was implemented to verify that Site Design, Source Control, and Treatment Control BMPs were required on all applicable Priority Development Projects per Section F.1.d.(9).

Prior to approving PDPs, applicants were required to complete and submit detailed checklists with their WQMPs. These checklists ensured that each project complied with the site design/source control/treatment control requirements. Beginning with a project’s entitlement stage, these checklists were reviewed by WQMP-trained staff and compared to the project’s BMP layout to ensure compliance. The City did not approve any project until the WQMP addressed all of the checklist items. Since July 2005, the use of these checklists has ensured that the City and all PDPs complied with the Permit.

4) Following are the names and locations of all Priority Development Projects that were granted a waiver from implementing LID BMPs per Sections F.1.d.(4) and K.3.c.(4)4.

The City did not grant any waivers during this reporting period.

5) Treatment Control BMPs per Section K.3.c.(4)5.

- a) A current copy of the City’s inventory of approved Treatment Control BMPs required under F.1.f.(1) of the 2010 SMR MS4 Permit is included in Attachment B. This inventory identifies all active PDPs and their structural treatment BMPs constructed since July 2005.
- b) During this reporting period, the City conducted site visits to verify that the structural post-construction BMPs on the inventory were functioning and being maintained in support of the following permit requirements:

Reference	LID BMP Requirements
F.1.c.(2)(a)	The implementation, operation, and maintenance of all (100 percent) inventoried public and private Project-Specific WQMPs must be verified every five years (permit term).
F.1.c.(2)(b)	All (100 percent) projects with BMPs that are high priority must be inspected annually prior to each rainy season.
F.1.c.(2)(c)	All (100 percent) copermittee projects with BMPs must be inspected annually.
F.1.c.(2)(d)	As appropriate, the City may coordinate its inspections with the facility inspections implemented pursuant to Section F.3 of the 2010 SMR MS4 Permit.
F.1.c.(2)(e)	If verifications must be performed through a means other than direct inspection by

	the City, adequate documentation must be required to provide assurance that the required maintenance has been completed.
F.1c.(2)(f)	Appropriate follow-up measures (including re-inspections, enforcement, maintenance. etc.) are conducted to ensure the treatment BMPs continue to reduce storm water pollutants as originally designed.
F.1c.(2)(b)(i)	Inspections note observations of vector conditions, such as mosquitoes. Where conditions are identified as contributing to mosquito production, the City must notify the County vector control agency.

- 6) **The following Priority Development Projects have been required to implement hydrologic control measures to protect downstream Beneficial Uses and prevent adverse physical changes to downstream channels per Sections F.1.h and K.3.c.(4)6.**

There were no PDPs requiring hydromodification BMPs during this reporting period.

- 7) **The following provides a description of all activities related to the enforcement of the Stormwater Ordinance in New Development and Redevelopment Projects in the City jurisdiction per Sections F.1.g and K.3.c.(4)7 during the reporting period and a summary of the effectiveness of the enforcement activities.**

The City does not allow PDPs to be processed without a WQMP. As such, enforcement actions were not required during this reporting period.

3.0 CONSTRUCTION

1) Ordinances per Section K.3.c.(4)1 of the Permit.

a) Describe updated relevant ordinances per Section F.2.a.

There were no NPDES-related updates to the construction component of the Storm Water ordinance during this reporting period.

b) Describe planned ordinance updates within the next Annual Reporting period, if applicable.

There are no updates planned for this component in the next reporting period.

2) Describe any changes to procedures used for identifying priorities for inspecting sites and enforcing control measures that consider the nature of the construction activity, topography, and the characteristics of soils and receiving water quality per Sections F.2.e and K.3.c.(4)2.

The City's current procedures in identifying criteria that correctly prioritizes construction inspections continue to meet and exceed the Permit requirements. As such, there were no changes to the City's existing procedures during this reporting period.

3) Describe any changes to the designated minimum and enhanced BMPs per Sections F.2.d.(1) and K.3.c.(4)3.

There were no changes to the City's designated minimum BMPs during this reporting period.

4) Summarize the findings of the Construction Inspection component per Sections F.2.e. and K.3.c.(4)4.

Attachment C contains a summarized tally of all construction inspections conducted during this reporting period for active PDPs and non-PDPs. It lists the number of monthly inspections, annual totals, and enforcement actions. To date, a combination of routine inspections, education, and enforcement actions have been effective in ensuring compliance at each site.

a) Total number and date of inspection conducted at each Construction Site

Due to the large amount of inspection data, this information can be provided to the SDRWQCB via separate submittal if requested.

b) Number, date, and types of enforcement actions by Construction Site

Same comment as above.

c) Brief description of each high-level enforcement action at Construction Sites including the effectiveness of the enforcement:

Same comment as above.

4.0 MUNICIPAL

- 1) Attachment D contains a comprehensive inventory of all municipal facilities and activities that have the potential to generate pollutants as per Sections F.3.a.(1) and K.3.c.(4)1 of the Permit. Refer to Attachment E of the RCFCD’s JRMP Annual Report for a map showing all of the City’s stormdrain locations.
- 2) **Following is the current list of minimum BMPs for the facilities included in the inventory addressed in item 1) above per Section K.3.c.(4)2.**

BMP Code	Description	Used
SC-10	Non-Stormwater Discharges	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-11	Spill Prevention, Control and Clean-up	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-20	Vehicle and Equipment Fueling	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-21	Vehicle and Equipment Cleaning	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-22	Vehicle and Equipment Repair	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-30	Outdoor Loading/Unloading of Materials	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-31	Outdoor Liquid Container Storage	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-32	Outdoor Equipment Maintenance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-33	Outdoor Storage of Raw Materials	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-34	Waste Handling and Disposal	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-41	Building and Grounds Maintenance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-43	Parking/Storage Area Maintenance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-60	Housekeeping Practices	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-61	Safe Alternative Products	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-70	Road and Street Maintenance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-71	Plaza and Sidewalk Cleaning	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-72	Fountain and Pool Maintenance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-73	Landscape Maintenance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-74	Drainage System Maintenance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
SC-75	Waste Handling and Disposal	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

- 3) **Describe any changes to procedures to assure that flood management projects assess the impacts on the water quality of Receiving Waters per Sections F.3.a.(4) and K.3.c.(4)3.**

There were no changes to the City’s existing procedures during this reporting period.

- 4) **Following is a summary and assessment of BMP retrofit projects implemented at flood control structures per Sections F.3.a.(4)(c), F.3.d and K.3.c.(4)4.**

a) Listing of flood control facilities retrofitted:

To date, the City installed 69 street catch basin filters at various locations as part of nine road rehabilitation projects. Although these locations do not generate significant levels of trash, and permanent post-construction BMPs are not required for routine road rehabilitation projects, these filters were installed as part of the City’s ongoing efforts to prevent trash and debris from entering our local creeks. The City will continue assessing whether catch basin filters are effective BMPs, and particularly at these locations. These filters are inspected on a routine basis and maintained on an as-needed basis.

b) Listing and description of flood control structures evaluated for retrofitting:

An evaluation of the City’s catch basins, storm drains, and basins did not reveal any further retrofitting opportunities during this reporting period.

c) Listing of flood control structures still needing to be evaluated and the schedule for evaluation:

The City will continue evaluating its existing flood control facilities throughout the next reporting period for potential retrofit opportunities. These opportunities are typically assessed when public catch basins, streets, or storm drains are scheduled to be replaced.

5) Following is a summary of the municipal structural Treatment Control BMP operations and maintenance (O&M) activities per Sections F.3.a.(6) and K.3.c.(4)5.

Structural Treatment Control BMP	Frequency of Inspections	O&M Findings
Catch Basin Filters	Annually	Functioning as designed.
Sediment Basins	Annually	Functioning as designed.
Infiltration Galleries	Annually	Functioning as designed.
Sand Filters	Annually	Functioning as designed.
Hydrodynamic Separators	Annually	Functioning as designed.
Oil/Water Separators	Quarterly	Functioning as designed.

6) Summary of the results of the city’s MS4 facilities operations and maintenance activities component, including amount of material removed, including justification for less than annual inspection per Sections F.3.a.(6)(b) and K.3.c.(4)(6).

MS4 Facility Type	Number of Facilities Maintained	Amount of Material Removed (tons)	Facilities Planned for Bi-Annual Inspections and Justification
Catch Basins	1,650	No significant change from last year (approx. 85CY trash, green waste, sediment)	
Open Channels & Conventional Detention Basins	Various accessible segments 9	No Significant change from last year (approx. 1,500CY trash, green waste, sediment)	
Streets	301 curb miles	Approx. 1,400 Tons trash, green waste, sediment)	

7) The following summarizes the results of the city’s municipal areas/activities inspection component per Sections F.3.a.(8)(a&b) and K.3.c.(4)6, including:

- a) Number and date of inspections conducted at each facility per Section K.3.c.(4)7.(a).**
- b) BMP violations identified during each facility inspection per Section K.3.c.(4)7.(b).**
- c) The number, date and types of enforcement actions received at each facility per Section K.3.c.(4)7.(c).**
- d) Summary of inspection findings and follow-up activities for each inspected facility per Section K3.c.(4)7.(d).**

The City routinely inspected all of its facilities during this reporting period. Inspection frequencies varied between different types of facilities but were, at a minimum, consistent with those outlined in the City’s MS4 permit. For example, the City’s Public Works field crews ensured continued NPDES compliance at all of the City’s catchbasins, stormdrains, and sediment basins year-round through routine monitoring that, as a result, went above and beyond the permit requirements. In addition, all municipal buildings were maintained daily, while parks and city-maintained landscaped areas were

maintained weekly. Street gutters were also swept weekly, following each trash pick-up day. Areas requiring additional attention were inspected more often.

During this reporting period, city-maintained facilities consisted of the following:

- | | | |
|--------------------|-----------------------------------|---------------------------|
| (1) City Hall | (8) Community Centers | (9) Detention Basins |
| (1) Corporate Yard | (2) Swimming Pools | (1,650) Catchbasins |
| (1) Park-and-Ride | (3) City-maintained Fire Stations | (10 ac) Channels, Basins, |
| (2) Public Parking | (301) Miles) Public Streets | Culverts |
| (35) Parks | (5) Recreational Centers | |

Due to all of the routine maintenance conducted at these locations, the City did not maintain formal NPDES inspection data unless violations were noted. As such, the City’s existing frequency of routine maintenance has been successful in preventing violations. Consequently, enforcement actions were not required at any of these facilities.

8) The following activities were implemented to address sewage infiltration into the MS4 per Sections F.3.a.(7) and K.3.c.(4)8.

The City does not own, operate, or maintain the sewer system. Sewer line projects are reviewed, approved, constructed, operated and maintained by the sewer agencies. These agencies, with the assistance from the County of Riverside HazMat Response Team and the Temecula Police Department, serve as first responders to sewage spills, leaks, or infiltration into the City’s MS4 system. As such, the city’s field crews do not receive training to handle or dispose sewage-related waste, and are not authorized nor equipped to enter sewer or stormdrain systems, and can only provide limited assistance to first responders.

Description of Sewage Infiltration Controls	Used
Adequate plan checking for construction and new development	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Incident response training for municipal employees that identify sanitary sewer spills	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Code enforcement inspections	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
MS4 maintenance and inspections	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Interagency coordination with sewer agencies	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Education of staff and contractors conducting field operations on the MS4 or its municipal sanitary sewer (if applicable)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

9) Describe BMPs and their implementation for unpaved road construction and maintenance per Sections F.3.a.(10) and K.3.c.(4)8.

The City does not own or maintain or allow construction of new unpaved roads. The few existing unpaved roads in the City are privately owned and maintained and were installed prior to the city’s incorporation. As a result, these roads were not required to install BMPs.

5.0 COMMERCIAL/INDUSTRIAL

- 1) **Attachment E** contains the latest version of the inspection inventory of Commercial and Industrial Facilities per Sections F.3.b.(1) and K.3.c.(4)1&2 of the Permit.
- 2) The following summarizes the results of the city’s commercial/industrial facilities inspection component:
 - a) **Number and date (by month) of businesses inspected.**

Month (2013)	# of Inspections	Month (2014)	# of Inspections
July		January	41
August		February	36
September		March	42
October		April	38
November		May	42
December		June	11

Note: These numbers do not include follow-up visits.

- b) **Major violations identified during the inspections.**

Facility	# of Inspections	Date of Inspection	Enforcement Action
Promethean Biofuels	9	July	Multiple Citations
Edge Restaurant	1	March	Citation

- c) **Number and type of enforcement actions.**

Enforcement or Compliance Action	FY 13-14
Verbal Warning ⁽¹⁾	26
Written Warning ⁽¹⁾	6
Fines ⁽²⁾	10
Referral to the SDRWQCB ⁽²⁾	0

⁽¹⁾ Talled from the inventory inspections.

⁽²⁾ Talled from the NPDES SOR Log and NPDES Citation Log.

- d) **Brief description of each high-level enforcement action including the effectiveness of the enforcement and follow-up activities.**

The City’s higher-level NPDES enforcement actions consist of citations, temporary suspension or revocation of business licenses, property liens, and case referrals to the Regional Board. During this reporting period, the City issued multiple citations to Promethean Biofuels. The outcome of the City’s enforcement actions, including these citations, resulted in Promethean moving its operations out of Temecula.

3) All changes to the designated minimum and enhanced BMPs per Sections F.3.b.(2)b&c and K.3.c.(4)3.

There were no changes to the City’s existing designated (minimum or enhanced) BMPs during this reporting period. These BMPs included the following:

Minimum BMP	CASQA BMP Fact Sheet	Used
Hazardous Waste/Materials storage areas are clean, no signs of leakage, and protected from rainfall and Runoff	SC-34	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Trash bin areas are clean, the bin lids are closed, the bins are not filled with liquid, and no signs of leakage from the trash bins	SC-34	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Aboveground tanks have been properly maintained including no signs of leakage, and secondary containment in good condition	SC-11, SC-31, SC-33	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Onsite storm drain inlets are protect from inappropriate non-storm water discharges	SC-44	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Oil/water separators are connected to sanitary sewer	NA	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Wash water from wash pads (steam cleaning or high pressure cleaning) is directed to the sanitary sewer and does not discharge into the MS4	SC-10	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Mop bucket wash water is discharged to sanitary sewer	SC-10	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Parking lot areas are free of trash, debris, and fluids other than water	SC-43	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Facility has coverage under the Industrial General Permit, if appropriate	NA	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Oil and grease Wastes are not discharged onto a parking lot, street or adjacent catch basin	SC-10	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Trash bin areas are clean, the bin lids are closed, the bins are not filled with liquid, and the bins have not been washed out into the MS4	SC-43	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Floor mats, filters and garbage containers are not washed in adjacent parking lots, alleys, sidewalks, or streets and that no wash water is discharged into the MS4	SC-10	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Parking lot areas are cleaned by sweeping, not by hosing down, and that facility operator uses dry methods for spill cleanup	SC-43	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Note: CASQA (California Storm Water Quality Association).

4) Provide a list of Industrial Facilities, including name, address, and SIC code, that require coverage under the General Industrial Permit, but have not submitted an NOI per Section K.3.c.(4)4.

Other than Promethean Biofuels and the facilities currently listed on the SWRCB’s SMARTS website, the City was not aware of any additional facilities requiring coverage under the Industrial General Permit during the routine inspections conducted this reporting period.

6.0 RESIDENTIAL

1) Provide an updated list of minimum BMPs required for residential areas and activities per Sections F.3.c.(2)(b) and K.3.c.(4)1 of the Permit.

There were no changes to the City’s existing designated minimum BMPs during this reporting period. Please refer to the City’s water quality web pages for links to the county-wide brochures and CASQA BMP fact sheets (referenced in the table below).

Area of Activity	Designated BMPs	Reference Material
A	Automobile repair, maintenance, washing and parking	<ul style="list-style-type: none"> • Collect and properly dispose of automotive fluids and other waste • Clean up spills using dry cleanup methods where possible • Store Hazardous Materials away from rain and runoff • Avoid hosing down parking areas. • Prevent all wash water, leaks and/or spills from entering the street or MS4 <p>Brochures:</p> <ul style="list-style-type: none"> • Automotive Maintenance and Car Care Brochure • Outdoor Cleaning <p>CASQA BMP Fact Sheets:</p> <ul style="list-style-type: none"> • SC-20, • SC-21, • SC-22, • SC-43
B	Home and garden care activities and product use (pesticides, herbicides and fertilizers)	<ul style="list-style-type: none"> • Prevent irrigation runoff • Store and apply pesticides, fertilizers and other chemicals in accordance with their labeling • Avoid applying pesticides, herbicides and fertilizers before forecasted rain <p>Brochures:</p> <ul style="list-style-type: none"> • Landscape and Garden • 10 Ways to Save Water Outdoors <p>CASQA BMP Fact Sheets:</p> <ul style="list-style-type: none"> • SC-73, • SD-10, • SD-12
C	Disposal of trash, pet waste, green waste, and Household Hazardous Waste (e.g., paints, cleaning products)	<ul style="list-style-type: none"> • Properly dispose of pet waste • Collect green waste and never blow such waste into the street, gutter or MS4 • Never dispose of waste in a street, gutter or MS4 • Take Household Hazardous Waste to a designated collection center <p>Brochures:</p> <ul style="list-style-type: none"> • After the Storm • What’s the Scoop • Tips for Horse Care • Landscape and Garden • Pools, Spas and Fountains <p>HHW and ABOP Collection Events http://www.rivcowm.org/opencms/hhw/schedule.html</p>

			<p>Videos:</p> <ul style="list-style-type: none"> • Animal Care • Household Hazardous Waste • Managing your Lawn and Garden • Outdoor Activities <p>http://rcflood.org/stormwater/ (Videos found in the Media Library)</p>
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2) Provide a summary of the number and type of applicable runoff and stormwater enforcement actions taken within residential areas and activities per Sections F.3.c.(3) and K.3.c.(4)2.

Enforcement or Compliance Action⁽¹⁾	FY 13-14
Verbal Warnings	3
Written Warnings	4
Fines	2
Referrals to the SDRWQCB	0

⁽¹⁾ Compiled from the NPDES SOR Log and NPDES Citation Log.

3) Describe the efforts to manage runoff and stormwater pollution in common interest areas and mobile home parks per Sections F.3.c.(4) and K.3.c.(4)2.

For new mobile home parks and new developments with common interest areas, the City enforces the NPDES regulations in the same manner as with other priority development projects meeting the WQMP criteria. All PDPs, including mobile home parks and developments with common interest areas are required to submit WQMPs and install permanent BMPs. In addition, PDP are also required to form new, or integrate into existing, home owner or property management associations in order to ensure long-term maintenance of the WQMP BMPs. For existing mobile home parks and common areas that were constructed prior to the implementation of the WQMP regulations, the City includes these areas as part of the program's various inspection components.

7.0 RETROFITTING EXISTING DEVELOPMENT

1) Provide an updated inventory and prioritization of existing developments identified as candidates for retrofitting per Sections F.3.d.(2) and K.3.d.(4)1 of the Permit.

The 2010 SMR MS4 Permit permittees prepared a Santa Margarita Region Retrofit Program Study (Study) in May 2012. This Study establishes a framework for permittees to identify conditions of concern that are shown to cause a verifiably significant threat to water quality in order to justify initiating steps to select retrofit strategies rather than pursuing source control strategies. Following a routine review of the Study during this reporting period, the City did not identify any additional areas beyond those presented in the Study that could potentially serve as future candidates for either non-structural or structural retrofit projects. Please refer to the Retrofit Site Map in Section 3 of the Study for the inventory of potential locations in Temecula.

2) Describe the efforts to retrofit existing developments during the reporting period per Sections F.3.d.(2) and K.3.d.(4)2.

The first step in the permittees' Retrofit Program Framework is to identify specific issues and areas that verifiably cause conditions of concern. Issues can be assessed when action levels or water quality standards are consistently exceeded in specific areas and for specific pollutants. However, during this reporting period, City inspections did not determine that storm water discharges caused, or contributed to, any verifiable condition of concern warranting the implementation of retrofit projects rather than implementing source control strategies.

3) Describe the efforts taken to encourage private landowners to retrofit existing development per Sections F.3.d.(4) and K.3.d.(4)3.

The City provided education materials regarding storm water runoff to private landowners and businesses through its business and IDDE inspection programs. In addition, projects that were submitted to the City but did not require a WQMP were also reviewed for retrofit opportunities.

4) Provide a list of all retrofit projects that have been implemented including site location, a description of the retrofit project pollutants expected to be treated, and the tributary acreage of runoff that will be treated per Sections F.3.d.(5) and K.3.d.(4)4.

During this reporting period, the City was successful in retrofitting existing trash enclosures at existing food establishments, automotive facilities, and industrial activities with solid-cover roofs. Solid-cover roofs minimize the comingling of storm water runoff with waste located within existing trash enclosures. These roofs do not require routine operation, nor maintenance, nor inspections. As such, these trash enclosures are not inventoried. New developments are also required to install solid-cover roofs, regardless of whether or not these projects meet the PDP criteria.

As noted in Section 4, the City also installed catch basin filters at various locations following the completion of road rehabilitation projects. Although these locations do not generate significant levels of trash, and permanent post-construction BMPs are not required for road rehabilitation projects, these filters were installed as part of the City's ongoing efforts to prevent

trash and debris from entering our local creeks. The City will continue assessing whether catch basin filters are effective BMPs, and particularly at these locations. To date, the City has retrofitted 113 street catch basins with filters as part of fourteen (14) road rehab projects since 2007. These filters are inspected on a routine basis and maintained as needed.

5) Describe any proposed retrofit or regional mitigation projects and timelines for future implementation per Section K.3.d.(4)5.

There are no regional retrofit or mitigation projects scheduled for the upcoming fiscal year.

6) Describe any proposed changes to the overall retrofitting program per Section K.3.d.(4)6.

There are currently no proposed changes to this component.

8.0 ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE)

- 1) Describe any changes to the legal authority to implement Illicit Discharge Detection and Elimination (IDDE) activities per Sections F.4.a.(1) and K.3.d.(4)1 of the Permit.**

There were no changes to the City's legal authority during this reporting period.

- 2) Describe changes to the existing investigation procedures per Sections F.4.e. and K.3.d.(4)2.**

There were no changes to the investigation procedures during this reporting period.

- 3) Describe any changes to public reporting mechanisms per Sections F.4.c and K.3.d.(4)3.**

There were no changes to the public reporting mechanisms during this reporting period.

- 4) Summarize Illicit Discharges (including spills and water quality data events) and how each significant case was resolved per Section K.3.d.(4)4.**

The City maintains a database of all in-coming calls and e-mails associated with NPDES cases. Attachment F is a print-out of this database that lists and describes these cases.

- 5) Describe instances when field screening and analytical data exceeded Action Levels, including those instances for which no investigation was conducted per Section K.3.d.(4)5.**

On behalf of the copermitees, the principle permittee (Riverside county Flood Control District) performed all initial wet weather and dry-weather monitoring and sampling throughout the SMR region in accordance with the provisions of the permit's Monitoring and Reporting Program. All field screening data and lab results from RCFCD's activities are contained in the annual watershed MRP report. During this reporting period, there were no exceedances for field measured parameters. However, subsequent analytical lab results from one of the samples detected NAL exceedances for enterococcus, fecal coliform, manganese, nitrogen and phosphorus at the Long Canyon major outfall station. This sample was collected from a stagnant pocket of ponded water during dry weather. These pockets of ponded water tend to concentrate pollutants over time as the water evaporates. This condition provides an environment for bacterial indicator propagation and regrowth. In response to the NAL, the City tracked the paths of the discharges in order to narrow down the sources. The majority of these investigations end up identifying commercial and residential over-irrigation as the predominant dry-weather sources. We are currently working with commercial property management companies, home owner associations, and local water districts to reduce these discharges throughout Temecula.

- 6) Describe the follow-up and enforcement actions taken in response to investigations of Illicit Discharges and a description of the outcome of the investigation/enforcement actions per Sections F.4.e,f&g. and K.3.d.(4)6.**

The City's IC/ID database includes any required follow-ups that were conducted for each case. Attachment F also includes the City's NPDES citation log listing all enforcement citations that were issued this reporting period.

9.0 WORK PLANS

1) Provide a summary of work plans including priorities, strategy, implementation schedule and effectiveness evaluations.

As per Directive G in the San Diego Regional Water Quality Control Board Order No. R9-2010-0016, the permittees collectively prepared the Upper Santa Margarita Watershed Water Quality Work Plan (Work Plan). The purpose of this Work Plan is to:

- 1) Characterize the Receiving Water quality in the Upper Santa Margarita River Watershed's Receiving Waters
- 2) Identify and prioritize water quality problem(s) in terms of constituents by location in the Upper Santa Margarita River Watershed's Receiving Waters.
- 3) Identify the likely sources of the highest priority water quality problem(s) within the Upper Santa Margarita River Watershed.
- 4) Develop a watershed Best Management Practice (BMP) implementation strategy to attain Receiving Water Quality Objectives for the highest priority water quality problem(s).
- 5) Develop a strategy to monitor improvements in Receiving Water quality directly resulting from implementation of the BMP implementation strategy described in the Work Plan.
- 6) Establish a schedule for development and implementation of the BMP and monitoring strategies outlined in the Work Plan.

The Work Plan is reviewed annually by the permittees and updated as necessary to identify any necessary revisions and to prioritize the water quality problem(s) listed in the Work Plan. Throughout this reporting period, the permittees reviewed and assessed the Work Plan programs based on the criteria set forth by CASQA. Section 13 of this Annual Report discusses the effectiveness of the implementation of the Work Plan and the CASQA outcome levels achieved. The permittees collectively continued to implement the schedule presented in the Work Plan that outlines implementation of various storm water programs.

10. NON-STORMWATER DISCHARGES

1) Identify any non-stormwater discharge category listed in Requirement B.2 of the Permit that was identified as a source of Pollutants to Waters of the U.S. during the reporting period. For each identified category, the permittee must report whether it elected to prohibit the discharge or to require BMPs to reduce Pollutants in the discharge to the MEP. If the discharge is not prohibited, the BMPs that will be implemented, or required to be implemented, are described below:

The City did not identify any of the following discharges as causing or contributing to exceedances of any applicable water quality standard, or as significant sources of pollutants.

Non-Stormwater Discharge Categories (per Requirement B.2)	Source of Pollutant	Prohibited	Required BMPs
Diverted stream flows	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Rising ground waters	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Uncontaminated ground water infiltration [as defined at 40 CFR 35.2005(20)] to MS4s	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Uncontaminated pumped ground water	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Foundation drains	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Springs	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Water from crawl space pumps	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Footing drains	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Air conditioning condensation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Flows from riparian habitats and wetlands	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Water line flushing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Discharges from potable water sources not subject to NPDES Permit No. CAG679001, other than water main breaks	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Individual residential car washing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Dechlorinated swimming pool discharges	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

- 2) Provide a description of any updates to ordinances, orders, or similar means to prohibit non-storm water discharge categories identified per Section B.2 of the Permit.**

There were no updates during this reporting period.

- 3) Identify any control measures to be required and implemented for non-stormwater discharge categories identified as needing controls by the San Diego Water Board.**

None of the non-stormwater discharge categories were identified as requiring controls within the City during this reporting period.

- 4) Provide a description of a program to address Pollutants from non-emergency firefighting flows identified by the City to be significant sources of Pollutants:**

During this reporting period, the City did not come across any non-emergency fire-fighting flows. As such, the City could not make a determination that non-emergency fire-fighting flows were causing or contributing to exceedances of any applicable water quality standard or posing a threat as a significant source of pollution.

11.0 RECEIVING WATER LIMITATIONS

This section includes the report required pursuant to Requirement A.3.a.(1) of the Permit, if applicable.

Requirement A.3.a.(1) states:

“Upon a determination by either a permittee or the San Diego Regional Board that storm water MS4 discharges are causing or contributing to an exceedance of an applicable water quality standard, the permittee must notify the San Diego Regional Board within 30 days and thereafter submit a report to the San Diego Regional Board that describes BMPs that are currently being implemented and additional BMPs that will be implemented to prevent or reduce any pollutants that are causing or contributing to the exceedance of Water Quality Standards. The report may be incorporated in the Annual Report unless the San Diego Regional Board directs an earlier submittal. The report must include an implementation schedule. The San Diego Regional Board may require modifications to the report;”

During this reporting period, there were no instances where field screening data and analytical data collectively supported the determination that consistent exceedances of water quality standards had occurred repeatedly at any of the major outfalls. Please refer to the annual watershed Monitoring and Reporting Program report for a detailed review of the monitoring data collected throughout the Santa Margarita River region.

12.0 FISCAL ANALYSIS

1) The following table provides estimated expenditures for the current reporting period and the preceding reporting period. This table identifies the expenditures (such as capital, operation and maintenance, education, and administrative expenditures) necessary to accomplish the activities described in the JRMP per Section H.2 of the Permit.

Program Element	Budgeted - FY2014-2015		Actual - FY2013-2014	
	Capital Expenditures	O&M/Admin Expenditures	Capital Expenditures	O&M/Admin Expenditures
Program Management ⁽¹⁾	--	177,329	--	182,184
Annual Fee for MS4 NPDES Permit from SWRCB	--	40,000	--	39,974
Implementation Agreement (I.A.) Shared Cost	--	607,000	--	213,682
Construction Inspections ⁽²⁾	--	54,972	--	56,477
Development Planning (WQMP Reviews) ⁽³⁾	--	0	--	0
Industrial and Commercial Inspections ⁽⁴⁾	--	24,826	--	25,505
IC & ID Program ⁽⁵⁾	--	0	--	0
Municipal Facilities and Activities ⁽⁶⁾	--	135,000	--	130,500
Public Outreach (schools, public events) ⁽⁶⁾	--	0	--	0
Monitoring Program (Regional) ⁽⁶⁾	--	0	--	0
Retrofit Program	--	0	--	0
Other ⁽⁷⁾	--	10,000	--	10,000
Total	\$0	\$1,049,127	\$0	\$658,322

- Notes:
- (1) This cost reflects program administration time.
 - (2) This cost reflects NPDES construction inspection time by the senior-and-staff-level inspectors.
 - (3) This line item is included under Program Management.
 - (4) This cost reflects NPDES business inspection time by the staff-level inspector.
 - (5) This cost reflects removing silt from channels, culverts, and basins, and maintaining catch basins and filters.
 - (6) This line item is included in the Implementation Agreement.
 - (7) This cost reflects staff's time for formal classroom training, inspection forms, citation books, mailings, and supplies.

2) The sources of funds used to meet the necessary expenditures during this reporting period and the associated percent of funding from each category.

Source of Funds	Percent of Total Program Funding	Restrictions on Use (if applicable)
General Fund	88.1	General Fund is used to fund other departments and divisions.
WQMP Fees (Plancheck)	3.2	Fixed fee based on project size.
WQMP Fees (Construction Inspections)	1.1	Fixed percentage based on project's 'Engineering Cost Estimate'.
ESC Fees (Plancheck and Inspections)	7.0	Fixed percentage based on project's 'Engineering Cost Estimate'.
Citations	0.6	No Restrictions.

3) Provide a narrative description of circumstances resulting in a 25 percent or greater annual change for any budget line item.

During this reporting period, the most significant increases occurred in the WQMP and ESC fee categories. This increase shows that many projects that were previously dormant due to a slow economy are now beginning to move forward. The remaining line items listed above changed slightly, but not greater than 25%.

13.0 ASSESSMENT AND RESPONSE REPORTING

1) The following summarizes the City’s effectiveness assessments per Section J.3 of the Permit.

a) Results of each component’s effectiveness assessment per Section J.1.b, including the demonstrated CASQA effectiveness level(s).

13.1.a.1 Illicit Discharge Detection and Elimination Effectiveness Assessment

Table 13-1: Illicit Discharge Detection and Elimination Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Number of IC/ID reports	34	--
Number of verifiable reports following initial inspection	25	Level 1
Number of IC/ID cases completed	25	Level 5
Estimated volume of anthropogenic trash removed from MS4 facilities (F.3.a.(6)(b)(vi)) <ul style="list-style-type: none"> • Street Sweeping (trash and sediment; unable to segregate trash and sediment) • Open Channels & Basins (approx 2% of total waste removed) • Catch basins (approx 25% of total waste removed) 	1,400 Tons No significant change from last year (30 CY) No significant change from last year (21 CY)	Level 4

13.1.a.2 Municipal Areas and Activities Effectiveness Assessment

Table 13-2: Municipal Areas and Activities Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Number of municipal facilities with BMPs (F.3.a.(2)(b))* <ul style="list-style-type: none"> • Catch Basin Filters • Conventional Detention Basins • Infiltration Galleries • Sand Filters • Hydrodynamic Separators • Oil/Water Separators 	126 9 7 3 1 1	Level 2

* Data compiled from municipal BMP inventory and DFW routine maintenance agreement inventory

Number of staff that attended Municipal training (F.6.b.(1)).	11	Level 1
Estimated Waste removed by street sweeping, (F.3.a.(5)) – (trash, sediment).	1,400 Tons	Level 4
Estimated Waste removed from Channels and Basins (F.3.a.(6)(b)) – (trash [2%], green waste [3%], sediment [95%]).	No Significant change from last year (approx. 1,500 CY)	Level 4
Estimated Waste removed from storm drain inlets (F.3.a.(6)(b)) – (trash [25%], green waste [70%], sediment [5%]).	No Significant change from last year (approx. 85 CY)	Level 4

13.1.a.3 Development Planning Effectiveness Assessment

Table 13-3: Development Planning Program Effectiveness

Measureable Metric Collected	Data	CASQA Outcome Level
Number of projects that incorporated LID-based BMPs that were completed this period (F.1.f.(1)).	6	Level 5
Number of staff that attended WQMP training (F.6.b.(1))	4	Level 1

13.1.a.4 Private Development Construction Activity Effectiveness Assessment

Table 13-4: Private Development Construction Activity Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Construction Site inventory updated (F.2.b.)	Yes	Level 1
Number of staff that attended Construction training (F.6.b.(b))	21	Level 1

13.1.a.5 Industrial and Commercial Effectiveness Assessment

Table 13-5: Industrial and Commercial Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Industrial and Commercial Facilities inventory updated (F.3.b.(1)(a))	Yes	Level 1
Number of staff that attended Industrial-Commercial training (F.6.b.(1)(c))	2	Level 1

13.1.a.6 Residential Effectiveness Assessment

Table 13-6: Residential Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Used oil collected at collection events (F.3.c.(2)(c)) <ul style="list-style-type: none"> • Region-wide: • Temecula: 	36,869 lbs 340 lbs	Level 4
Total pounds collected at HHW/ABOP events (F.3.c.(2)(c)) <ul style="list-style-type: none"> • Region-wide: • Temecula: 	182,687 lbs 10,876 lbs	Level 4
Data compiled from SMR HHW/ABOP summary report provided by RCFCD		

13.1.a.7 Retrofit Program Effectiveness Assessment

Table 13-7: Retrofit Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Number of times the Retrofit Program has identified a potential solution to a specific identified problem	Not Applicable*.	Level 1

* No specific problems were identified

13.1.a.8 Public Education Effectiveness Assessment

Table 13-8: Public Education Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Number of outreach events to schools	6*	Level 1
Number of Public Events where outreach was conducted	16*	Level 1
Pounds of trash removed through permittee-sponsored watershed cleanup events	Not conducted*	Level 4
Number of home improvement stores provided with outreach / customer education information for pesticide use	5 / 5*	Level 1
Number of E-Newsletters signups	60*	Level 2
% of E-Newsletters clicked	26%*	Level 2

* Compiled by RCFCD representing region-wide data.

13.1.a.9 Watershed Work Plan Effectiveness Assessment

Table 13-9: Watershed Work Plan Program Effectiveness

Measureable Metrics Collected	Data	CASQA Outcome Level
Annual Public Review Meetings conducted	1	Level 1
Updated Characterization of Receiving Water Quality	(See Below)	Level 1
Updated prioritization of water quality problems	(Refer to SMR Annual Monitoring Report, Table 25)	Level 1
Descriptions of likely sources updated	(Refer to SMR Monitoring Annual Report, Section 5.4)	Level 1
Updated BMP Implementation Strategy	(See Below)	Level 1
BMPs implemented according to schedule	(See Below)	Level 1
Number of Collaborative Meetings Attended	5	Level 1

Updated Characterization of Receiving Water Quality:

The overall water quality conditions of receiving waters within SMR appear to be getting better, based on the number of 303(d) listed constituents in the upper SMR watershed with statistically significant downward trends. However, the results cannot be definitively associated with the new requirements. Only future monitoring data will demonstrate that the 2010 MS4 permit programs and requirements have helped support better water quality in the receiving waters within the SMR watershed. The SMR permittees expect that future monitoring will allow a better understanding of pollutants and their impacts, if any, to the local receiving waters. Results from monitoring activities will continue to guide the City in assessing and managing the programs intended to protect the receiving waters in the SMR to the maximum extent practicable.

Updated BMP Implementation Strategy:

The City continues to implement the current BMP Implementation Strategy per Section 4 of the Upper Santa Margarita River Watershed Work Plan.

BMPs Implemented:

The City did not implement any new BMPs during this reporting period.

- b) Response to effectiveness assessments: A description of any program modifications planned in accordance with Section J.2, including the work plan and identified schedule**

for implementation. The description must include the basis for determining that each modified activity and/or BMP represents an improvement expected to result in improved water quality.

The City plans on updating the impervious surface criteria for new development projects. The update consists of revising Temecula's city-specific impervious surface criteria from 5,000 square feet to 10,000 square feet to be consistent with section F.1.d (2)(a) of the permit. In addition, significant updates to the WQMP/SSMP guidance documents and accompanying project-specific template were completed and became effective on July 11, 2014, including implementation of the new hydromodification requirement.

The City does not plan on making any further modifications to its current program until the permittees' current Permit expires in November 2015 and is replaced by the new regional permit. Future monitoring results and outcomes of the various studies required by the current permit will also provide additional information which the City will utilize in determining if modifications to the City's existing program will significantly improve program effectiveness.

c) A description of any steps to be implemented to improve the ability to assess program effectiveness.

The City does not plan on making any major modifications to its current assessment approach. Future sampling and monitoring results, as well as outcomes of the studies required by the current Permit, may provide additional information that the City will use to determine whether the City's current ability to assess the program's effectiveness requires any adjustments.

14.0 CONCLUSIONS

As demonstrated throughout this report, the City has been successful in complying with the Permit during this reporting period. The following bullet points demonstrate the City's accomplishments in protecting our local creeks.

- The City finalized 15 WQMPs and ensured that 32 active construction sites complied with the NPDES regulations.
- The City successfully addressed 25 code violation cases.
- The City swept 301 curb miles of public streets, preventing 1,400 tons of material from reaching our creeks.
- The City maintained its public catch basins, various sections of channels, and basins, preventing 1,585 cubic yards of material from reaching our creeks.
- Thirty Eight (38) municipal staff received routine annual training.

Based on the information collected to date, the City's programs are effective at protecting the Receiving Waters and no changes are proposed at this time. Future monitoring and studies will provide additional information to guide the City in assessing and managing its programs.

15.0 RECOMMENDATIONS

Beginning July 11, 2014, the City will begin implementing the new WQMP guidelines, new WQMP template, and the new hydromodification requirements. The remaining components of the Permit did not require any significant modifications during this reporting period due to minor adjustments carried out on an as-needed basis in response to field observations, routine inspections, dry and wet-weather sampling results, and discussions with RB staff during quarterly TAC meetings and field visits. Any direction from the Regional Board associated with audits or any of the previously submitted special studies may provide additional information which the City will utilize in determining if modifications to the program are warranted. However, until further notice, no additional modifications are planned or recommended for FY14-15.

ATTACHMENT A

Annual Report Checklist

ATTACHMENT A: ANNUAL REPORT CHECKLIST CONT.

Annual Report Summary Checklist	
Order Requirements	
Were All Requirements of Order No. R9-2010-0016 met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Construction	
Number of Active Sites	32
Number of Inactive Sites	15
Number of Sites Inspected (combination of active and inactive)	47
Number of Violations (requiring citations)	6
Number of All Enforcement Actions Taken (verbal, NOV, Stop Work, citation)	259
New Development	
Number of Finalized WQMPs	15
Number of Grading Permits Issued	32
Number of Projects Exempted from Hydromodification Requirements	0
Post Construction Development	
Number of Priority Development Projects (since July 2005)	96
Number of SUSMP Required Post-Construction BMP Inspections	Conducted but not recorded
Number of SUSMP Required Post-Construction BMP Violations	0
Number of SUSMP Required Post-Construction BMP Enforcement Actions Taken	0
Illicit Discharges and Connections	
Number of verifiable IC/ID Inspections	25
Number of IC/ID Detections by Staff	0
Number of IC/ID Detections from the Public	25
Number of IC/ID Eliminations/Cases Completed	25
Number of IC/ID Violations (requiring citations)	6
Number of IC/ID Enforcement Actions Taken (verbal, correspondence, NOV, citation)	25
Municipal Stormdrain Maintenance	
Number of Facilities Inspected (City Hall, Community Centers, Basins, Corporate Yard, Swimming Pools, Catchbasins, Park-and-Ride, Fire Stations, Parks, Recreational Centers)	1,717
Amount of Waste Removed - (open channels, basins, catch basins)	1,585 CY
Amount of Waste Removed - (street sweeping)	1,400 Tons
Total miles of MS4 Inspected (public streets)	301
Commercial/Industrial	
Number of Facilities	735
Number of Facilities Inspected	213
Number of Violations requiring citations	11

ATTACHMENT A: ANNUAL REPORT CHECKLIST CONT.

I certify under penalty of law that this Annual Report Summary Checklist was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signed: 

Tom Garcia
Director of Public Works/City Engineer

ATTACHMENT B

Tally of Finalized WQMPs

Inventory of Approved Treatment Control BMPs

MONTHLY TALLY OF FINALIZED WQMPS

Month-Year	Residential	Com/Ind	Mun	Total Accepted
2014				
Dec-14				0
Nov-14				0
Oct-14				0
Sep-14				0
Aug-14				0
Jul-14				0
Jun-14	1			1
May-14				0
Apr-14				0
Mar-14	1			1
Feb-14	2	3		5
Jan-14				0
TOTALS	4	3	0	7
2013				
Dec-13		1		1
Nov-13	1			1
Oct-13	1			1
Sep-13		1		1
Aug-13	2			2
Jul-13		2		2
Jun-13	1			1
May-13				0
Apr-13				0
Mar-13		1		1
Feb-13				0
Jan-13				0
TOTALS	5	5	0	10
2012				
Dec-12	2			2
Nov-12				0
Oct-12				0
Sep-12		2		2
Aug-12		1		1
Jul-12				0
Jun-12				0
May-12		1		1
Apr-12				0
Mar-12		1		1
Feb-12	1			1
Jan-12		1		1
TOTALS	3	6	0	9
2011				
Dec-11	1			1
Nov-11			1	1
Oct-11			1	1
Sep-11		2		2
Aug-11		1		1
Jul-11				0
Jun-11				0
May-11		1	1	2
Apr-11				0

MONTHLY TALLY OF FINALIZED WQMPS

Month-Year	Residential	Com/Ind	Mun	Total Accepted
Mar-11				0
Feb-11				0
Jan-11				0
TOTALS	1	4	3	8
2010				
Dec-10				0
Nov-10			2	2
Oct-10	1			1
Sep-10	1	1		2
Aug-10				0
Jul-10				0
Jun-10				0
May-10				0
Apr-10				0
Mar-10				0
Feb-10				0
Jan-10				0
TOTALS	2	1	2	5
2009				
Dec-09			1	1
Nov-09			2	2
Oct-09				0
Sep-09		1		1
Aug-09				0
Jul-09		1		1
Jun-09				0
May-09				0
Apr-09		1	1	2
Mar-09				0
Feb-09		1		1
Jan-09				0
TOTALS	0	4	4	8
2008				
Dec-08		3	2	5
Nov-08				0
Oct-08		1		1
Sep-08	1	2		3
Aug-08		2	1	3
Jul-08		1		1
Jun-08		2		2
May-08				0
Apr-08		1		1
Mar-08				0
Feb-08				0
Jan-08		1		1
TOTALS	1	13	3	17
2007				
Dec-07				0
Nov-07		1		1
Oct-07	2	5		7
Sep-07		2		2
Aug-07		1		1

MONTHLY TALLY OF FINALIZED WQMPS

Month-Year	Residential	Com/Ind	Mun	Total Accepted
Jul-07		1		1
Jun-07		2		2
May-07		2		2
Apr-07		1		1
Mar-07				0
Feb-07		1		1
Jan-07				0
TOTALS	2	16	0	18
2006				
Dec-06				0
Nov-06		2		2
Oct-06	1	2		3
Sep-06		1		1
Aug-06	1	1		2
Jul-06		1		1
Jun-06		1	1	2
May-06		2		2
Apr-06				0
Mar-06				0
Feb-06		1		1
Jan-06				0
TOTALS	2	11	1	14
2005				
Dec-05				0
Nov-05				0
Oct-05				0
Sep-05				0
Aug-05				0
Jul-05				0
TOTALS	0	0	0	0
Cumulative Total	20	63	13	96

BMP INVENTORY LOG
Start Date July 1, 2005

Commercial / Industrial Developments

Project Description	Location	Date Constructed (Y/M/D)	BMP Category	Quantity	Units EA/LF/SF/CF	Receiving Waters	Priority (High or Low)
Nelson Auto Service Center	Via Montezuma (28710)	2007-09-10	Gravel Infiltration Trench (Cobble top)	2	EA	Murrieta Creek (via SD pipe)	H
Marriot Fairfield Inn	Jefferson Avenue (27416)	2007-03-26	Infiltration Well	2	EA	Murrieta Creek (via SD pipe)	H
Industrial Condominiums of Temecula Office Buildings	Remington Avenue (42015)	2007-06-26	Sand Filter Trench	3	EA	Murrieta Creek (via SD pipe)	H
Kaiser Permanente Medical Center	Madison Avenue (27309)	2007-06-13	Bioretention Cell	2	EA	Santa Gertrudis Creek (via SD pipe)	H
Butterfield Ranch Shopping Center	Butterfield Stage Road (43810)	2006-12-12	Infiltration Gallery	1	EA	Temecula Creek (via SD pipe)	H
Madison Avenue Office Building	Madison Avenue (27235)	2007-03-02	Bioretention Cell	2	EA	Santa Gertrudis Creek (via SD pipe)	H
Butterfield Station Shopping Center	Temecula Parkway (32909)	2007-02-13	Gravel Infiltration Trench	2	EA		
			Catchbasin Debris Basket	3	EA		
			Gravel Infiltration Trench (vegetated)	2	EA		
			Catchbasin Debris Basket	3	EA		
			Conventional Grass Swale	2	EA		
			Catchbasin Debris Basket	3	EA		
			Bioretention Cell	2	EA		
			Gravel Infiltration Trench (vegetated)	2	EA		
			Catchbasin Debris Basket	3	EA		
			Infiltration Gallery	1	EA		
			Catchbasin Debris Basket	7	EA		
			Bioretention Cell	2	EA		
			Gravel Infiltration Trench (vegetated)	2	EA		
			Catchbasin Debris Basket	3	EA		
			Gravel Infiltration Trench	3	EA		
			Gravel Infiltration Trench	3	EA		

BMP INVENTORY LOG
Start Date July 1, 2005

Commercial / Industrial Developments

Project Description	Location	Date Constructed (Y/M/D)	BMP Category	Quantity	Units EALF/SF/CF	Receiving Waters	Priority (High or Low)
Temecula Corporate Center Office Bldgs	Via Industria (27503 and 27482)	2008-07-21	Conventional Swale (vegetated)	5	EA	Murrieta Creek (via SD pipe)	H
			Cartridge Filter Box	4	EA		
Butterfield Self Storage	Butterfield Stage Road (43920)	2008-06-26	Infiltration Gallery	1	EA	Temecula Creek (via SD pipe)	H
			Catchbasin Debris Basket	7	EA		
Dalton Office Building	5th Street (41955)	2008-01-30	Conventional Swale (vegetated)	1	EA	Murrieta Creek (via SD pipe)	L
			Roof Drain Filter	6	EA		
Guidant (Abbott) Parking Structure	Motor Car Parkway (41888)	2007-03-13	Sand Filter Basin (vegetated)	1	EA	Long Canyon (via SD pipe)	H
			Conventional Swale (vegetated)	3	EA		
			Catchbasin Debris Basket	10	EA		
Hine Mazda Dealership	Dlr Drive (42050)	2007-07-23	Cartridge Filter Box	1	EA	Empire Creek (via SD pipe)	L
			Catchbasin Debris Basket	5	EA		
Redhawk Pavilion Shopping Center	Margarita Road (44060)	2008-12-01	Gravel Infiltration Trench (vegetated)	3	EA	Temecula Creek (via SD pipe)	H
			Trench Grate Debris Filter	5	EA		
			Catchbasin Debris Basket	3	EA		
Temecula Medical Center (Phase I)	Temecula Parkway (31700)	2013-07-16	Biofiltration Cell	6	EA	Temecula Creek (via SD pipe)	H

BMP INVENTORY LOG
Start Date July 1, 2005

Commercial / Industrial Developments

Project Description	Location	Date Constructed (Y/M/D)	BMP Category	Quantity	Units EA/LF/SF/CF	Receiving Waters	Priority (High or Low)
			Biofiltration Trench	2	EA		
			Proprietary Planter Box	9	EA		
			Conventional Detention Basin	3	EA		
			Gravel Infiltration Basin (vegetated)	1	EA		
			Sand Filter Trench	2	EA		
			Conventional Swale (grass)	2	EA		
Guidant (Abbott) East Campus	Motor Car Parkway (41888)	2008-08-28	Detention Gallery	1	EA	Murrieta Creek (via SD pipe)	H
			Sand Filter Trench	4	EA		
			Cartridge Filter Box	1	EA		
			Conventional Swale (vegetated)	2	EA		
			Catchbasin Debris Basket	14	EA		
			Roof Drain Filters	20	EA		
PHS Warehouse	Winchester Road (42500)	2010-01-11	Sand Filter Trench (vegetated)	6	EA	Murrieta Creek (via SD pipe)	H
			Sand Filter Basin (vegetated)	2	EA		
			Cartridge Filter Box	4	EA		
			Catch Basin Cartridge Filter	3	EA		

BMP INVENTORY LOG
Start Date July 1, 2005

Commercial / Industrial Developments

Project Description	Location	Date Constructed (Y/M/D)	BMP Category	Quantity	Units EALF/SF/CF	Receiving Waters	Priority (High or Low)
Plaza Rio Vista Office Building	Blackdeer Loop (43015)		Sand Filter Trench (cobble top)	1	EA	Murrieta Creek (via SD pipe)	H
DCH Honda Dealership	Ynez Road (26989)	2007-06-14	Conventional Detention Basin	2	EA	Empire Creek (via SD pipe)	L
Medical Office Building	Old Town Front Street (28975)	2010-01-12	Catchbasin Debris Basket	6	EA		
Redhawk Tire Store	Margarita Road (44092)	2008-12-29	Gravel Infiltration Trench (vegetated)	2	EA	Murrieta Creek (via SD pipe)	H
YMCA	Margarita Road (29119)	2009-04-23	Sand Filter Trench (vegetated and cobble top)	2	EA	Unlisted tributary to Temecula Creek	H
Old Town Plaza 1 Office Building	Old Town Front Street (28544)	2009-08-06	Catchbasin Debris Basket	4	EA		
Promenade Mall Expansion	Promenade Mall Loop Road (behind Edwards cinema)	2008-09-24	Sand Filter Basin (vegetated)	1	EA	Empire Creek (via SD pipe)	L
Marriott Springhill Hotel	Jefferson Avenue (28220)	2009-09-02	Conventional Grass Swale (pre-treatment)	1	EA		
			Cartridge Filter Box	1	EA	Murrieta Creek (via SD pipe)	L
			Infiltration Gallery	1	EA	Murrieta Creek (via SD pipe)	H
			Catchbasin Debris Basket	53	EA		
			Roof Drain Filter	29	EA		
			Proprietary Tree Box	9	EA	Murrieta Creek (via SD pipe)	H

BMP INVENTORY LOG
Start Date July 1, 2005

Commercial / Industrial Developments

Project Description	Location	Date Constructed (Y/M/D)	BMP Category	Quantity	Units EA/LF/SF/CF	Receiving Waters	Priority (High or Low)
De Portola Office Buildings	Margarita Road (44045)	In Progress	Infiltration Trench (vegetated)	1	EA	Unlisted tributary to Temecula Creek	H
			Sand Filter Trench (vegetated)	4	EA		
			Catchbasin Debris Basket	1	EA		
Walmart expansion	Temecula Parkway (32225)	2009-09-10	Bioretention Basin	1	EA	Temecula Creek (via SD pipe)	H
			Catchbasin Debris Basket	1	EA		
			Cartridge Filter Box	1	EA		
			Catchbasin Cartridge Filter	1	EA		
			Proprietary Tree Box	1	EA		
Chaparral Village Shopping Center	Nicolas Road (27267)	2009-06-30	Gravel Infiltration Trench (cobble top)	1	EA	Santa Gertrudis Creek (via SD pipe)	H
Kaiser Parking Lot Expansion	Madison Avenue (27309)	2008-08-13	Gravel Infiltration Trench (cobble top)	2	EA	Santa Gertrudis Creel (via SD pipe)	H
			Catchbasin Debris Basket	2	EA		
Panera Restaurant	Nicole Lane (41793)	2009-05-11	Proprietary Hydrodynamic Separator	1	EA	Long Canyon (via SD pipe)	H
Mercedes Benz Dealership	Temecula Center Drive (40950)	In Progress	Pervious Pavers	26,100	SF	Warm Springs (via SD pipe)	H
			Infiltration Gallery	1	EA		

BMP INVENTORY LOG
Start Date July 1, 2005

Commercial / Industrial Developments

Project Description	Location	Date Constructed (Y/M/D)	BMP Category	Quantity	Units EALF/SF/CF	Receiving Waters	Priority (High or Low)
			Bioretention Basin	3	EA		
			Proprietary Hydrodynamic Separator	1	EA		
			Catchbasin Debris Basket	8	EA		
Warehouse at Creekside Office Building	Third Street (42081)	2010-05-06	Cartridge Filter Box	1	EA	Murrieta Creek (via SD pipe)	L
Overland Self Storage	Overland Drive (41705)	2009-07-16	Porous Concrete	20,500	SF	Long Canyon (via SD pipe)	L
American Agcredit Office Building	Winchester Road (42429)	2009-09-17	Conventional Swale (vegetated)	1	EA	Murrieta Creek (via SD pipe)	H
			Sand Infiltration Trench (cobble top)	1	EA		
			Trash Grate	2	EA		
			Pervious Pavers	3,726	SF		
RTA Parking Lot (Vacant)	Diaz Road (28071)	2009-10-12	Infiltration Gallery	1	EA	Murrieta Creek (via SD pipe)	L
Truax Office Building	Second Street (41923)	In Progress	Cartridge Filter Box	1	EA	Murrieta Creek (via SD pipe)	
Arco Car Wash (Margarita)	Margarita Road (44239)		Sand Filter Basin (cobble top)	1	EA	Unlisted tributary to Temecula Creek	L
			Catchbasin Debris Basket	1	EA		

BMP INVENTORY LOG
Start Date July 1, 2005

Commercial / Industrial Developments

Project Description	Location	Date Constructed (Y/M/D)	BMP Category	Quantity	Units EALF/SF/CF	Receiving Waters	Priority (High or Low)
Lyndie Lane Office & Retail Building	Rancho California Road (29742)	2012-10-31	Gravel Infiltration Trench (cobble top)	1	EA	Empire Creek (via SD pipe)	L
Jehova Witness Hall	Calle Girasol (31640)	2012-07-24	Pervious Pavers	15,066	SF	Unlisted tributary to Santa Gertrudis Creek	L
			Sand Filter Trench (vegetated)	1	EA		
			Sand Filter Basin (vegetated)	1	EA		
			Proprietary Hydrodynamic Separator	1	EA		
Time Warner Building	La Serena Way (30975)	2013-04-30	Sand Filter Basin (underground and cobble top)	2	EA	Long Canyon (via SD pipe)	L
			Sand Filter Trench (cobble top)	1	EA		
Rancho Community Church Sports Field	Rancho Community Way (31300)	2013-03-04	Gravel Infiltration Trench (vegetated)	1	EA	Unlisted tributary to Temecula Creek	L
			Porous Concrete (emergency access)	1	EA		
Dalton Front Street Plaza Office Building	Old Town Front Street (28693)	In Progress	Cartridge Filter Box	1	EA	Murrieta Creek (via SD pipe)	L
Arco Car Wash (Winchester)	Winchester Road (40212)	2012-06-20	Sand Filter Trench (cobble top)	2	EA	Santa Gertrudis Creek (via SD pipe)	L
Lyndie Lane Dental Office	Lyndie Lane (42210)	2012-07-03	Pervious Pavers	3,221	SF	Empire Creek	
			Catch Basin Baffle Filter	2	EA		
Outdoor Channel Parking Lot Expansion	Business Park Drive (43455)	2013-02-13	Sand Filter Basin (cobble top)	3	EA	Murrieta Creek (via SD pipe)	H

BMP INVENTORY LOG
Start Date July 1, 2005
Municipal Developments

Project Description	Location	Date Constructed (Y / M / D)	BMP Category	Quantity	Units EALF/SF/CF	Receiving Waters	Priority (High or Low)
Calle Camillia, Calle Ventura.	Calle Camillia culdesac (3), Calle Ventura culdesac (3).	2005-01-05 (WQMP NA)	Catchbasin Debris Filter	6	EA	Unlisted tributary to Santiago Channel	H
Pechanga Parkway Widening (Rainbow Cyn Rd to Deer Hollow Wy).	Pechanga Parkway (@Via Eduardo SW corner [1], @Wolf Valley SE corner [1], @Loma Linda SW & SE corners [3], north & south bound lanes at Rainbow Cyn [2]).	2009-09-03	Catchbasin Debris Filter	7	EA	Unlisted tributary to Temecula Creek	H
Pauba Rd Pavement Rehab (eastbound lane from Elinda to Margarita).	Pauba Road (200' west of La Primavera [1], @Margarita Rd SW corner [1]).	2007-12-01 (WQMP NA)	Catchbasin Debris Filter	2	EA	Unlisted tributary to Empire Creek	H
Patricia Birdsall Park (Pechanga Parkway & Wolf Creek Drive South).	North entrance (1), South entrance (1), East entrance (1).	2006-02-12 (WQMP NA)	Settling Basin (vegetated)	3	EA	Unlisted tributary to Temecula Creek	H
Roripaugh Ranch Fire Station #95.	South Loop Road (32131).	2013-08-05 (WQMP NA)	Sand Filter Basin (vegetated)	2	EA	Unlisted tributary to Santa Gertrudis Creek	H
Main Street Bridge Replacement.	Main Street (east side of bridge).	2014-05-15	Catchbasin Baffle Filter	2	EA	Murrieta Creek (via SD pipe)	H
City Maintenance Building (Facility Operations Center)	Business Park Drive (43200).	2008-15-06 (WQMP NA)	Catchbasin Debris Filter	7	EA	Murrieta Creek (via SD pipe)	H
			Proprietary Hydrodynamic Separator	1	EA		
			Oil / Water Separator	1	EA		
Pujol Street Community Center.	Pujol Street (28870).	2009-10-20	Sand Filter Trench	1	EA	Murrieta Creek (via SD pipe)	H
			Infiltration Gallery	3	EA		
Civic Center, Town Square, and Parking Garage.	Main Street (41000) (@Town Square [1], south parking lot [1], east maintenance road [1], and northeast corner [1])	2010-12-20	Infiltration Gallery	4	EA	Murrieta Creek (via SD pipe)	H
	6th Street (SE corner [1]), Old Town Front (@ 6th [2], 5th [1], 4th [2], Main [3], 3rd [1], 2nd [2]), Mercedes (@4th [1], 5th [1], fronting Conference Center [2]), Main		Catchbasin Baffle Filter	18	EA		
DePortola Pavement Rehab (Jedediah Smith to Margarita Rd).	DePortola Road (@Pio Pico NE corner [1], @Villa Del Sur NE corner [1]).	2011-01-11	Catchbasin Baffle Filter	2	EA	Unlisted tributary to Temecula Creek	H

BMP INVENTORY LOG
Start Date July 1, 2005
Municipal Developments

Project Description	Location	Date Constructed (Y / M / D)	BMP Category	Quantity	Units EA/LF/SF/CF	Receiving Waters	Priority (High or Low)
	DePortola Road (@Jedediah Smith NE & SE corners [2]).		Catchbasin Debris Filter	2	EA		
Rancho California Pavement Rehab (Ynez Rd to Butterfield Stage Rd).	Rancho Cal Road (@Chardonmay Hills [2], @Meadows Pkwy [3], @Tee Drive [2], @Calle Bahia Vista [1], @Margarita Road [1], @Yukon NE corner [1], @Cosmic Drive SW corner [1], 350' east of Moraga Rd - east & west bound lanes [2], @Ynez NE & SE corners [2]).	2010-02-11	Catchbasin Baffle Filter	15	EA	Murrieta and Empire Creek (via SD pipe)	H
French Valley Parkway offramp Phase I	Jefferson (@Cherry Street)	2014-07-01	Catchbasin Baffle Filter	5	EA	Murrieta and Santa Gertrudis Creek (via SD pipe)	H
Pauba Library Street Parking. (offsite facility)	Pauba Road (30600).	2012-07-13	Settling Basin	2	EA	Unlisted tributary to Empire Creek	H
Butterfield Stage Road Phase I (Murrieta Hot Springs to Calle Chapos).	Butterfield Stage Road.	2012-09-14	Catchbasin Baffle Filter	10	EA	Santa Gertrudis Creek (via SD pipe)	H
Butterfield Stage Road Phase II (Calle Chapos to La Serena Cal Rd).	Butterfield Stage Road.	In Progress	Catchbasin Baffle Filter	4	EA	Unlisted tributaries to Long Valley and Santa Gertrudis Creek	H
Margarita Road Pavement Rehab (Rancho Cal Rd to Avenida Barca).	Margarita Road (Fronting Margarita Middle School [2], @100' North of Margarita Rd [1]).	2012-03-19	Catchbasin Baffle Filter	3	EA	Empire Creek (via SD pipe)	H
Margarita Road Pavement Rehab (Avenida Barca to Solana Wy).	Margarita Road (@120' south of Solana - north & south bound lanes [2], across from Courtney Place [2], @Paseo Brillante - NW & NE corners [3], @350' east of Moraga - east & west bound lanes [1], between Calabria Dr and Oranga	2012-10-15	Catchbasin Baffle Filter	17	EA	Empire Creek (via SD pipe)	H

BMP INVENTORY LOG
Start Date July 1, 2005
Municipal Developments

Project Description	Location	Date Constructed (Y / M / D)	BMP Category	Quantity	Units EA/LF/SF/CF	Receiving Waters	Priority (High or Low)
Winchester Road Pavement Rehab (Roripaugh Rd to Nicolas Rd).	Winchester Rd (@Nicolas NW & SW corners [2], @400' west of Nicolas - East & West Bound Lanes [2], @Roripaugh NE & SE corners [2]).	2012-02-16	Catchbasin Baffle Filter	6	EA	Santa Gertrudis Creek (via SD pipe)	H
Ynez Road Pavement Rehab (Winchester Rd to Solana Wy).	Ynez Rd (@Solana NE corner [1], @Motor Car Pkwy NE/NW/SE corners [3], Between Promenade Mall North and South - north & southbound lanes and street median [3], @Winchester SE & SW corners [2], @ street median across Promenade Mall South [4]).	2014-01-16	Catchbasin Baffle Filter	10	EA	Murrieta Creek (via SD pipe) and unlisted tributary to Long Canyon	H
Rancho Vista Road Pavement Rehab (Margarita Rd to Paseo Goleta).	Rancho Vista Road (@Via Greco NW corner [1], @TVSD entrance [1], @Calle Rio Vista NE corner [1], @ frontage to	2013-09-12	Catchbasin Baffle Filter	10	EA	Unlisted tributary to Empire Creek	H

Notes:

- 1) High priority (annually inspected) projects include: a) those that generate pollutants (prior to treatment) which are present in tributary waterbodies; and b) all copermittee projects with BMPs.
- 2) Low priority projects must be inspected once every five years.
- 3) Unlisted tributary refers to a receiving water that is not currently on EPA's 303(d) list of impaired waterbodies and ties into other receiving waters.

BMP INVENTORY LOG
Start Date July 1, 2005
Residential Developments

Project Description	Location	Date Constructed (Y / M / D)	BMP Category	Quantity	Units EALF/SF/CF	Receiving Waters	Priority (High or Low)
Roripaugh Ranch SFRs (Pan handle area)	Polo Creek Drive (at Roripaugh Meadows Road)	2014-03-01	Conventional Detention Basin (vegetated)	1	EA	Unlisted tributaries to Santa Gertrudis Creek	H
			Sand Filter Basin (vegetated)	1	EA		
Belvista MFR	Rancho Highland Drive (at Tierra Vista Road NW corner)	2013-04-05	Conventional Detention Basin (vegetated)	2	EA	Empire Creek (via SD pipe and concrete channel)	L
			Catchbasin Baffle Filter	9	EA		
Madera Vista (Summerhouse) MFR	Margarita Road (44155)	2014-06-19	Gravel Infiltration Trench (vegetated)	18	EA	Unlisted tributary to Temecula Creek	H
			Cartridge Filter Box	1	EA		
			Catchbasin Debris Filter	17	EA		
Harveston Emery Place II SFRs	Date Street and Lake View Road (NW corner)	2013-11-01	Sand Filter Basin (cobble top)	1	EA	Unlisted tributary to Santa Gertrudis Creek	H
			Sand Filter Trench (cobble top)	1	EA		
			Catchbasin Debris Filter	2	EA		
Temecula Villa (Pujol) Apartments	Pujol Street (28845)	2010-05-21	Porous Asphalt	37,332	SF	Murrieta Creek (via SD pipe)	H
			Infiltration Gallery	3	EA		
			Catchbasin Debris Filter	11	EA		
Paseo Del Sol Regional Basin (offsite facility)	Pio Pico Road (at Via Allrizo)	2011-09-15	Sand Filter Basin (cobble top)	1	EA	Unlisted tributary Temecula Creek	H
			Cartridge Filter Box	1	EA		
Paseo Del Sol Regional Infiltration Gallery (offsite facility)	Pauba Road (at Via Torres, south side of multiuse trail)	2011-09-15	Infiltration Gallery	1	EA	Unlisted tributary to Empire Creek	L
Portola Terrace Apartments	Pujol Street (28701)	2013-02-14	Proprietary Modular Retention Box	1	EA	Murrieta Creek (via SD pipe)	H
			Proprietary Planter Box	2	EA		

BMP INVENTORY LOG
Start Date July 1, 2005

Residential Developments

Project Description	Location	Date Constructed (Y / M / D)	BMP Category	Quantity	Units EA/LF/SF/CF	Receiving Waters	Priority (High or Low)
Paseo Del Sol Regional Basin (offsite facility)	De Portola Road (300' east of Margarita Road)	2013-04-22	Gravel Infiltration Basin (cobble top)	1	EA	Unlisted tributary to Empire Creek	L
Belle Maison SFRs	Butterfield Stage Road and Chermín Clinet (NW corner)	In Progress	Sand Filter Basin (cobble top)	6	EA	Unlisted tributary to Long Canyon	H
Nicolaide SFR	Sierra Bonita (31259)	In Progress	Pervious Pavers	11,412	SF	Unlisted tributary to Murrieta Creek	L
Quigley SFR	Paulita Road (southeast side of culdesac)	In Progress	Bioretention Basin	3	EA	Unlisted tributary to Murrieta Creek	L
Silva SFR	Via Norte (30445)	In Progress	Infiltration Well	2	EA	Unlisted tributary to Long Canyon	L
Morel SFR	Santiago Road (30026)	In Progress	Pervious Pavers	2,714	SF	Unlisted tributary to Murrieta Creek	L
Dixon SFR (Lot 2)	Chantelle Court (29963)	2014-05-08	Gravel Infiltration Gallery	Included w/13-029	EA	Murrieta Creek (via SD pipe)	L
Donaldson SFR (Lot 4)	Chantelle Court (29987)	In Progress		1			
Donaldson SFR (Lot 1)	Chantelle Court (29951)	2014-05-08		1			
Dobron SFR (Lot 3)	Chantelle Court (29975)	In Progress		Included w/13-029			

Notes:

- 1) High priority (annually inspected) projects include: a) those that generate pollutants (prior to treatment) which are present in tributary waterbodies; and b) all copermitee projects with BMPs.
- 2) Low priority projects must be inspected once every five years.
- 3) Unlisted tributary refers to a receiving water that is not currently on EPA's 303(d) list of impaired waterbodies and ties into other receiving waters.

ATTACHMENT C

Tally of Construction Inspections

**TOTAL NPDES CONSTRUCTION INSPECTIONS
2013-2014**

MONTH	Number of Inspections by Site Category			Total Inspections	Drive-By Inspections	Verbal Warnings	Written Warnings	Citations
	<u>Risk 1</u>	<u>Risk 2</u>	<u>Risk 3</u>					
July 2013	73	34	97	204	177	25	0	2
YEAR TO DATE	73	34	97	204	177	25	0	2
August 2013	123	24	0	147	129	16	0	1
YEAR TO DATE	196	58	97	351	306	41	0	3
September 2013	107	24	0	131	115	15	0	0
YEAR TO DATE	303	82	97	482	421	56	0	3
October 2013	165	86	0	251	214	34	2	2
YEAR TO DATE	468	168	97	733	635	90	2	5
November 2013	93	86	0	179	148	30	1	0
YEAR TO DATE	561	254	97	912	783	120	3	5
December 2013	82	64	0	146	132	14	0	0
YEAR TO DATE	643	318	97	1058	915	134	3	5
January 2014	57	27	0	84	78	6	0	0

**TOTAL NPDES CONSTRUCTION INSPECTIONS
2013-2014**

MONTH	Number of Inspections by Site Category			Total Inspections	Drive-By Inspections	Verbal Warnings	Written Warnings	Citations
	<u>Risk 1</u>	<u>Risk 2</u>	<u>Risk 3</u>					
YEAR TO DATE	700	345	97	1142	993	140	3	5
February 2014	97	37	0	134	118	15	1	0
YEAR TO DATE	797	382	97	1276	1111	155	4	5
March 2014	85	44	0	129	111	14	4	0
YEAR TO DATE	882	426	97	1405	1222	169	8	5
April 2014	147	66	0	213	190	21	2	1
YEAR TO DATE	1029	492	97	1618	1412	190	10	6
May 2014	74	66	0	140	111	28	1	0
YEAR TO DATE	1103	558	97	1758	1523	218	11	6
June 2014	113	78	0	191	167	22	2	0
YEAR TO DATE	1216	636	97	1949	1690	240	13	6

Note: Risk levels shown herein represent the City's prioritized sites. These designations are not associated with those contained in the State-Wide Construction General Permit. Risk Level 1 = Low threat to water quality. Risk Level 2 = Medium threat. Risk Level 3 = High threat.

ATTACHMENT D

Inventory of Municipal Facilities

Source Control BMPs for Municipal Facilities

Type of Facility (and Primary Contact)	Number of Facilities	Potential Areas of Concerns	Animal Waste	Anti-Freeze	Asphalt	Acid	Chemicals	Concrete	Diesel Wastes
City Hall (PW Superintendent)	1	Waste Handling and Disposal							
		Landscape Maintenance							
		General maintenance and cleaning							
Corporate Yard (PW Superintendent)	1	Material loading and unloading, handling and storage			√		√	√	
		Waste Handling and Disposal							
		Vehicle and equip parking/storage		√					
		Vehicle and equipment washing							
		Leak and spill cleanup		√					√
Fire Stations (Fire Marshal) Police Stations (Police Chief)	6 (3 are operated by County)	Material loading and unloading, handling and storage		√			√		√
		Waste Handling and Disposal							
		Filling of ASTs and USTs with fuels							
		Dispensing fuel							
	2 (Both are operated by County)	Vehicle and equipment maintenance		√					√
		Vehicle and equip parking/storage		√					
		Vehicle and equipment washing							
		Leak and spill cleanup		√			√		√
		General maintenance and cleaning							
Swimming Pools (TCSD Superintendent)	3 (1 is operated by TVSD)	Use of chemicals, including chlorine					√		
		Filter maintenance and backwashing							
		General maintenance and cleaning							
Parking Lots, Garages, Park & Rides (PW Superintendent)	4 (1 is maintained by County)	Vehicle and equip parking/storage		√					
		Leak and spill cleanup		√					√
		Stripping/Grinding/Cold Milling			√			√	
		Sawcutting			√			√	
		Sealing/Slurry			√				
Streets (PW Superintendent)	301 Mi.	Leak and spill cleanup		√					√
		Stripping/Grinding/Cold Milling			√			√	
		Sawcutting			√			√	
		Sealing/Slurry			√				
		General maintenance and cleaning							
Channels, Basins, Culverts (PW Superintendent)	10 Acres	Vegetation control							
		General maintenance and cleaning							
Parks, Rec and Community Ctrs (TCSD Superintendent)	48 (35 parks, 5 rec ctrs, 8 comm ctrs)	Leak and spill cleanup		√					
		Waste Handling and Disposal							
		General maintenance and cleaning							
		Landscape Maintenance							

CASQA Source Control Fact Sheets :

- | | |
|---|---|
| SC 10 - Non Stormwater Discharges | SC 31 - Outdoor Container Storage |
| SC 11 - Spill Prevention, Control & Cleanup | SC 32 - Outdoor Equipment Maintenance |
| SC 20 - Vehicle and Equipment Fueling | SC 33 - Outdoor Storage of Raw Materials |
| SC 21 - Vehicle and Equipment Cleaning | SC 34 - Waste Handling/Disposal, Fixed Facilities |
| SC 22 - Vehicle and Equipment Repair | SC 41 - Building and Grounds Maintenance |
| SC 30 - Outdoor Loading/Unloading | SC 43 - Parking/Storage Area Maintenance |

Potential Pollutants														CASQA Source Control BMPs
Emulsions	Fertilizer	Fuel	Green Waste	Haz. Materials	Herbicide	New & Used Oil	Oil & Grease Spills	Paint Products	Pesticide	Scrap Metal	Solvent	Trash & Debris	Wash Water	
	✓		✓		✓				✓			✓		SC-10, SC-11, SC-30, SC-34, SC-41, SC-60, SC-61, SC-72, SC-73, SC-74
		✓		✓		✓		✓			✓			SC-10, SC-11, SC-21, SC-30, SC-31, SC-33, SC-34, SC-43, SC-60, SC-61, SC-74
							✓					✓		
		✓		✓		✓	✓	✓			✓		✓	
			✓					✓				✓		
		✓		✓		✓					✓			SC-10, SC-11, SC-20, SC-21, SC-22, SC-30, SC-31, SC-32, SC-33, SC-34, SC-41, SC-43, SC-60, SC-61
		✓										✓		
		✓				✓	✓	✓			✓			
			✓					✓				✓		
												✓	✓	SC-34, SC-72
		✓					✓							SC-10, SC-11, SC-34, SC-43, SC-60
		✓					✓							
		✓					✓						✓	
		✓					✓							
		✓					✓						✓	SC-10, SC-11, SC-60, SC-70, SC-74, SC75
					✓									SC-10, SC-61, SC-74, SC-75
												✓		
		✓					✓							SC-10, SC-11, SC-34, SC-41, SC-60, SC-61, SC-71, SC-72, SC-73
								✓				✓		
	✓		✓		✓				✓					

SC 60 - Housekeeping Practices
 SC 61 - Safer Alternative Products
 SC 70 - Road and Street Maintenance
 SC 71 - Plaza and Sidewalk Cleaning
 SC 72 - Fountain and Pool Maintenance
 SC 73 - Landscape Maintenance

SC 74 - Drainage System Maintenance
 SC 75 - Waste Handling/Disposal, Field Activities

ATTACHMENT E

Inventory of Commercial and Industrial Facilities

NPDES Business Inspection List

SIC Code	Business Type Description	Firm Name	Street Number	Street Name	Owner First Name	Phone Number
7336001	ADVERTISING	Winter Advertising Agency	31217	Pauba Rd 201	Winter Mary	9512969096
2731001	ADVERTISING	Community Little Book Inc	27430	W Enterprise Cir	Janese M	9516951928
7336001	ADVERTISING	Bear Designz Inc	26111	Ynez Rd C 7	Justin	9512961542
5261005	AGRICULTURE/FARMING	Get Palms	39865	Cantrell Rd	Curby	9512654986
4212001	AGRICULTURE/FARMING	Agrispect Inc	43136	Rancho Wy A	Robert D	9516764308
4119003	AMBULANCE	Crescent Healthcare Inc	44274	George Cushman Ct 204	Paul	7145206300
5521003	AUTOMOBILE DEALER	Car's Express	28671	Calle Cortez	Steve	9518055454
5012004	AUTOMOBILE DEALER	H D Auto Wholesale	27496	1	Harold	9519708900
5012004	AUTOMOBILE DEALER	T P C Transportation Enterprises Inc	28075	Diaz Rd A	Thomas P	7606723187
5561001	AUTOMOBILE DEALER	Rv Ready	27500	Jefferson Ave	Essam	9516930099
5561001	AUTOMOBILE DEALER	Richardsons R V Centers Inc	27590	Jefferson Ave	Steve	9516993455
5561001	AUTOMOBILE DEALER	Rv Supercenter	27941	Jefferson Ave		9516997380
5511002	AUTOMOBILE DEALER	Quality Nissan Of Temecula	41895	Motor Car Pkwy	Gordon Arthur	9.51677E+13
3711001	AUTOMOBILE DEALER	Car Sho	28971	Old Town Front St	Garro	9516952200
5599001	AUTOMOBILE DEALER	George Kiriakos Auto Sales	43094	Via Dos Picos A	George	9516933341
5521001	AUTOMOBILE DEALER	Good Life Auto Sales	43122	Via Dos Picos D	Douglas	9495178999
5511001	AUTOMOBILE DEALER	Toyota Of Temecula Valley Auto Dealer	26631	Ynez Rd	Atwood	9516940575
5511001	AUTOMOBILE DEALER	Paradise Chevrolet / Cadillac	26845	Ynez Rd	Robert C	9516992699
5511001	AUTOMOBILE DEALER	Rancho Ford Lincoln	26895	Ynez Rd	Eric J	9.51699E+12
5521001	AUTOMOBILE DEALER	Naddi Auto Trade Inc	26111	Ynez Rd B19	Fady	9519636155
5521004	AUTOMOBILE DEALER	Jnl Auto Dealership L L C	26111	Ynez Rd C 6	Larry	7604587229
2085003	BAR/NIGHT CLUB	E T ' S Sports Lounge	27423	Jefferson Ave	Joshue	9516948282
5813001	BAR/NIGHT CLUB	Beacon Lounge / Jon Gilbert	27725	Jefferson Ave 101	Gilbert	9515060399
5813009	BAR/NIGHT CLUB	Land Inc	28120	Jefferson Ave B 203	Zaher	9515879854
5813001	BAR/NIGHT CLUB	Temecula Stampede	28721	Old Town Front St	Roberts	9516951761
4212001	BUSINESS SERVICES	Republic Moving & Storage	42374	Avenida Alvarado A	Joseph W	6195910070
752007	BUSINESS SERVICES	Dirty Paws Grooming Spa	44535	Bedford Ct E	Saige M	9512164315
2741003	BUSINESS SERVICES	South Pacific Biomedical	43176	Business Park Dr 103	Carvajal	9516761444
3579014	BUSINESS SERVICES	Electronic Forms Plus Inc	43180	Business Park Dr 103	Wright Ted	8883372776
7336006	BUSINESS SERVICES	Dot & Effects LLC	43391	Business Park Dr C 7	Jeff	9513080048
752007	BUSINESS SERVICES	Dogtopia Of Temecula	27629	Commerce Center Dr	Mary K	9515061200
7389001	BUSINESS SERVICES	Etech Hi Inc	27710	Jefferson Ave 103	Elliott	9512961455
7389001	BUSINESS SERVICES	Prosites Inc	27919	Jefferson Ave 103	Mc Collough	9516939101
7389001	BUSINESS SERVICES	C A R S California Auto	27625	Jefferson Ave 105 B	Whitaker Nancy	9516944331
7389001	BUSINESS SERVICES	Aerotek Inc	27919	Jefferson Ave 106		9515878620

NPDES Business Inspection List

SIC Code	Business Type Description	Firm Name	Street Numbe	Street Name	Owner First Name	Phone Number
7336001	BUSINESS SERVICES	Big Giant Media Inc	27710	Jefferson Ave 205	Waddleton	9516948989
7389001	BUSINESS SERVICES	Shred And Go! Inc	28061	Jefferson Ave 8	Steve	9515061826
7359019	BUSINESS SERVICES	N C R Corporation	29530	Rancho Calif Rd	William R	7706237249
752007	BUSINESS SERVICES	Encore Grooming And Spaw	31795	Rancho Calif Rd	Michele	9516694141
2741003	BUSINESS SERVICES	C W A V Inc	28481	Rancho Calif Rd 201	Tim	9516946808
7389001	BUSINESS SERVICES	Check N Go	29760	Rancho Calif Rd D 114	Pacific Specialty	9096933033
2731001	BUSINESS SERVICES	T G Solution	43084	Rancho Way C	Veronica	9515223568
5093014	BUSINESS SERVICES	West Coast Metal Recycling Inc	43124	Rancho Wy C	Ryan	7607158610
7389077	BUSINESS SERVICES	Superior Packaging Concepts In	42148	Remington Ave 7 B	Jamieson	9516958950
1799012	BUSINESS SERVICES	Temecula Valley Powder Coating	42235	Sarah Way	Michael J	9516998685
3555024	BUSINESS SERVICES	The Hillman Group Inc	32225	Temecula Pkwy	Max W	4.80732E+13
3999001	BUSINESS SERVICES	Supplier Management Solutions Inc	27476	Via Industria	Steve	9516761100
7389001	BUSINESS SERVICES	R L Wilson & Associates L L C	27412	W Enterprise Cir 204	Richard L	9516766334
2842039	BUSINESS SERVICES	Kiona Grantham	40820	Winchester Rd	Kiona	9517563405
7389001	BUSINESS SERVICES	Top 3 Directories	40967	Winchester Rd	Brandon	9514408192
7389001	BUSINESS SERVICES	Delta Hospice Of Inland Valley Inc	41593	Winchester Rd 215	Vivian	8558833582
2711001	BUSINESS SERVICES	The Valley Business Journal	40335	Winchester Rd E 128	Linda Lee	9516930822
7389001	BUSINESS SERVICES	Football Proper Inc	27450	Ynez Rd 110 A	Adam	9513269117
7389001	BUSINESS SERVICES	Milestone Global Technology Inc	27475	Ynez Rd 288	Stoddard	9514913533
7542008	CAR WASH	Wet Works By Jose Silva	41867	5th St	Jose	9515531850
7542001	CAR WASH	Redhawk Hand Car Wash	44260	Apis Rd	Paul	9513036083
7542001	CAR WASH	Rancho Car Wash	27378	Jefferson Ave	Kuzmanic	9516993722
7542001	CAR WASH	Express Car Wash	44092	Margarita Rd #B	L & M Tire Co	9513025033
7542001	CAR WASH	Allbright At Last - Car Wash	41941	Moreno Rd	Gerdes	7609083946
7542001	CAR WASH	Temecula Car Wash	29766	Rancho Calif Rd	Kuzmanic	9516948118
7542001	CAR WASH	Redhawk Car Wash	31883	Via Rio Rd		4076228025
7542001	CAR WASH	Ramona Tire Self Serve Car Wash	31955	Via Rio Temecula Rd	Don	7608035785
7542001	CAR WASH	Hospitality Car Wash & Quick Lube	40495	Winchester Rd	Toor	9512969448
7542003	CAR WASH	Promenade Auto Spa LLC	40820	Winchester Rd 2000		9515145354
5812009	CATERING	Comfort Food Creations	41911	5th St 100	Lisa	9492578439
5812009	CATERING	The Cafe	43357	Business Park Dr 103	Volker	9516347938
5812009	CATERING	The Special Event Connection Inc	27645	Commerce Center Dr	Richard	9513081300
5812009	CATERING	Temecula Catering	27470	Jefferson Ave 2	Michael	9515534459
5812009	CATERING	Daniella Meals Inc	41790	Winchester Rd F	Rami	2019545503
5032001	CONTRACTOR- GENERAL	C	29065	Old Town Front St		7136506200

NPDES Business Inspection List

SIC Code	Business Type Description	Firm Name	Street Number	Street Name	Owner First Name	Phone Number
1611012	CONTRACTOR- GENERAL	Surfacing Solutions	42095	Zevo Dr A 13	Shawn	9516990035
3599001	CONTRACTOR- SPECIALTY	Applied Tooling & Mfg Inc	42345	Avenida Alvarado	Duffy	8008530555
1711015	CONTRACTOR- SPECIALTY	Progressive Plumbing Systems Inc	42066	Avenida Alvarado L	Ault Mark	9512962102
1743001	CONTRACTOR- SPECIALTY	Rowland Tile	40063	Bella Vista Rd	Rowland Robert	9516767547
1799045	CONTRACTOR- SPECIALTY	Mission Pools Of Escondido	27439	Bostik Ct	Dunn Bruce	9512963939
1799001	CONTRACTOR- SPECIALTY	Valley Door & Trim	43300	Business Park Dr 101	William	9516996039
1799001	CONTRACTOR- SPECIALTY	West Coast Countertops Inc	43085	Business Park Dr B	Michael	9517193670
1799001	CONTRACTOR- SPECIALTY	Southwest Restoration Inc	43176	Business Park Dr E 101	Michael J	8663610046
1711010	CONTRACTOR- SPECIALTY	U S Air Conditioning Distributors	27470	Colt Ct	John	
1742004	CONTRACTOR- SPECIALTY	Precision Drywall Inc	39015	Colt Rd	David	9517672322
1799003	CONTRACTOR- SPECIALTY	Player's Choice Putting Greens	27576	Commerce Center Dr 107	Michael	8665727898
1711001	CONTRACTOR- SPECIALTY	Don Rhodes Landscape & Sprinkler	31625	De Portola Rd	Rhodes Don	9513023492
3531001	CONTRACTOR- SPECIALTY	Blackmore Co L L C	27840	Del Rio Rd A	Kenneth J	9516762994
1799003	CONTRACTOR- SPECIALTY	Of Temecu	28071	Diaz Rd D	Dillon	9094784791
1611001	CONTRACTOR- SPECIALTY	C & C Grading & Paving Inc	28373	Felix Valdez Ave A 1	Gary L	9516990644
1799045	CONTRACTOR- SPECIALTY	Action Pool & Spa Supply	27497	Jefferson Ave	Conklin George	9516768181
1799001	CONTRACTOR- SPECIALTY	Fast Signs	28165	Jefferson Ave A	Sean	9516946090
1721001	CONTRACTOR- SPECIALTY	South Bay Coatings Inc.	30520	Rancho Calif Rd 107-213	Anthony Steve	9513031742
1611005	CONTRACTOR- SPECIALTY	Excel Concrete Construction Inc	28441	Rancho Calif Rd 206	Sean M	9516950170
1711021	CONTRACTOR- SPECIALTY	Pacific Sun Technologies Inc	43136	Rancho Way E	Steven K	9513081800
1799001	CONTRACTOR- SPECIALTY	Maranatha Solid Surface Specialists	42092	Remington Ave	Daniel Steven	9515061221
1743007	CONTRACTOR- SPECIALTY	Right Side Up Flooring Inc	42015	Remington Ave 107	Earl Kelly	9512965147
1711015	CONTRACTOR- SPECIALTY	Advanced Plumbing Technologies	42225	Remington Ave 15	Rodney L	9094235865
1711001	CONTRACTOR- SPECIALTY	Xtreme Heating & Air Conditioning Inc	42245	Remington Ave B1	Mark	9516983600
1711001	CONTRACTOR- SPECIALTY	R E E Mechanical	42245	Remington Ave B10	Jonathan	9512960984
1623001	CONTRACTOR- SPECIALTY	Double D Pipeline Inc	42166	Rio Nedo	Bill	9512966320
1711022	CONTRACTOR- SPECIALTY	Southern Calif Hydroseed & Hydro	42396	Rio Nedo	Santoro	9512960650
1742001	CONTRACTOR- SPECIALTY	Renner Drywall Inc	42217	Rio Nedo B 105	David P	9512960550
1743001	CONTRACTOR- SPECIALTY	Southwest Stone	42210	Roick Dr 7	Ken	9095061966
3479001	CONTRACTOR- SPECIALTY	Landmark Metalcoat Inc	42246	Sarah Way	Linda	9516954522
3432018	CONTRACTOR- SPECIALTY	Environmental Concepts Landscape	42148	Sarah Way B	Hill	9515876551
1711001	CONTRACTOR- SPECIALTY	Nova Landscape Construction Inc	31805	Temecula Pkwy 110	Kramer	9093026369
1799045	CONTRACTOR- SPECIALTY	Prestige Pools Service & Repair	31805	Temecula Pkwy 735	Tony	9512326550
3088009	CONTRACTOR- SPECIALTY	Affordable Portables	31938	Temecula Pkwy B 37	Michael	9512461687
1771004	CONTRACTOR- SPECIALTY	D M Barragan	27368	Via Industria 103	David	9516954356

NPDES Business Inspection List

SIC Code	Business Type Description	Firm Name	Street Number	Street Name	Owner First Name	Phone Number
1742001	CONTRACTOR- SPECIALTY	P V M Lath & Plaster	28362	Vincent Moraga Dr C	Pascual	9515879456
1799026	CONTRACTOR- SPECIALTY	Valiant Glass Inc	42440	Winchester Rd	Todd Marc	9512966657
1743007	CONTRACTOR- SPECIALTY	Emser Tile L L C	42092	Winchester Rd A	Ghodsian	3.2365E+12
1711015	CONTRACTOR- SPECIALTY	K C Plumbing Inc	41735	Winchester Rd F	Ken	9516957480
1799054	CONTRACTOR- SPECIALTY	Ed Broden Covering Installation	26111	Ynez Rd B 4	Edward	9517191490
1721005	CONTRACTOR- SPECIALTY	K N K Painting & Coating Inc	42095	Zevo Dr 14	Price Charles	9512965301
1741004	CONTRACTOR- SPECIALTY	Qualtech Concrete Inc	42095	Zevo Dr A 10	Brinegar	9516943280
7389035	ENGINEERING SERVICES	Utility Design Services Inc	41951	Remington Ave 110	Frank	9516950940
5411002	FOOD STORE	Circle K #2709417	44520	Bedford Ct	Brian	9516956841
132001	FOOD STORE	7 Eleven Store #2171-33074 B	44535	Bedford Ct A	Singh	9096934977
5812036	FOOD STORE	Mr Kabob Mediterranean Market	28120	Jefferson Ave A101	Fadi	9516766175
5411002	FOOD STORE	Temecula Halal Market	27371	Jefferson Ave R & S		9519995971
5431001	FOOD STORE	Bob & Gary's Field Fresh Berries	42225	Margarita Rd	Gary M	9512336155
5411001	FOOD STORE	Fresh & Easy Neighborhood Market	44060	Margarita Rd	Tim	9513032190
2024016	FOOD STORE	White Lime Frozen Yogurt	41493	Margarita Rd G 106 B	Jong C	9517191422
5411001	FOOD STORE	88 Seafood Market Inc	41915	Motor Car Pkwy	Tran Danny	9515878988
5411001	FOOD STORE	Lopez Market #3	28266	Old Town Front St	Ruiz Miguel	9516955153
5411001	FOOD STORE	Hazit Mini Mart / Hyung Sup Lim	44564	Pechanga Pkwy	Lim Hyung	9516762292
5411002	FOOD STORE	Circle K #2709432	29500	Rancho Calif Rd	Brian	9513089104
132001	FOOD STORE	Vons # 1962 / Vons	29530	Rancho Calif Rd	Vons #	9096956773
5411003	FOOD STORE	Stop Quick Market / Zora	29762	Rancho Calif Rd	Jalal	9096997968
132001	FOOD STORE	Stater Bros Markets #138	31813	Temecula Pkwy	Jack H	9513031244
5411005	FOOD STORE	Henry's Farmers Market	32413	Temecula Pkwy	Shon	9513030087
5411006	FOOD STORE	Henry's Farmers Market	32413	Temecula Pkwy	Shon	9513030087
5411002	FOOD STORE	Circle K #2709487	33165	Temecula Pkwy	Brian	9512705116
5431002	FOOD STORE	Jamba Juice #659	31938	Temecula Pkwy E	Bright Works	3107514151
5411001	FOOD STORE	Henry's Farmers Market #213	39606	Winchester Rd	Shon	9516943680
132001	FOOD STORE	Trader Joe's Company #102	40655	Winchester Rd 4-6	Bane	9512969964
5812010	FOOD STORE	California Tea & Coffee Brewery	40315	Winchester Rd A	Vern	9516935727
5411002	FOOD STORE	7 Eleven Store # 39289 A	41125	Winchester Rd A 3	Mena	9517193131
2033014	FOOD STORE	Surf City Squeeze /Ac Ryu, Inc	40820	Winchester Rd K 01	Ryu	9512960364
5411002	FOOD STORE	Food 4 Less #319	26419	Ynez Rd	Food 4 Less Of	9512965534
5431002	FOOD STORE	Jamba Juice #509	26550	Ynez Rd A	Bright Works	3107514151
132001	GAS STATION	Chevron / Jefferson Street	27560	Jefferson Ave	Carlene	9516768006
5541001	GAS STATION	Palomar Village Shell	42197	Margarita Rd	Naresh	9515065220

NPDES Business Inspection List

SIC Code	Business Type Description	Firm Name	Street Number	Street Name	Owner First Name	Phone Number
5541006	GAS STATION	Central Service Station L P	44239	Margarita Rd	Hagop	9512803833
132001	GAS STATION	Creekside Gas Food Mart	29115	Old Town Front St		9516761339
5541006	GAS STATION	Front St Service Station L P	44987	Old Town Front St	Hagop	9515062510
132001	GAS STATION	G & M Oil #181	28900	Rancho Calif Rd	Jim	9516934220
5541006	GAS STATION	Shell #1 / Tesoro Refining & Marketing Incorporated	29750	Rancho Calif Rd	Daniel J	9516951697
5541006	GAS STATION	Chevron U S A Inc #204029	30535	Temecula Pkwy	James H	9515066191
5541001	GAS STATION	A M P M Nicolas Service Station L P	31669	Temecula Pkwy	L I	9258276662
5541004	GAS STATION	Chevron U S A Inc #201596	40212	Winchester Rd	Hagop	9512803833
5541001	GAS STATION	Promenade 76 / Winchester Fuels Corp	40635	Winchester Rd	L I	9258276662
5541004	GAS STATION	Shiva Gas Enterprises	40720	Winchester Rd	Milner James	9097191611
5541004	GAS STATION	Costco Wholesale #491 / Gas Station	41555	Winchester Rd	Swati	9512803833
5541001	GAS STATION	Arco Am/Pm	26610	Ynez Rd	Sinegal James	9097192010
4225001	GENERAL MERCHANDISE	P J Hardys Distribution Center Inc	27691	Ynez Rd	Shahin	9516995673
3599001	GENERAL MERCHANDISE	Rancho Performance Machine	42295	Avenida Alvarado 3	Hardy	9512965656
7389001	HANDYMAN	Luvata Electrofin Inc	28073	Diaz Rd I	Clark Keith	9516769292
2842016	LAUNDRY/DRY CLEANER	Sam's Environmental Cleaners	27633	Commerce Center Dr	Dennis	9516998528
782008	MAINTENANCE/GARDENING	Rolling Knolls Landscaping	43810	Butterfield Stage Rd F 101	David B	9513036446
782001	MAINTENANCE/GARDENING	Green Bee / P S L Q Inc	38966	Colt Rd	Dodge Jeffrey	9517576975
3599001	Machine Shop	Benson Precision Machining	28910	Rancho California Rd 206	Phil	9517954260
3599001	Machine Shop	A & P Machine	42030	Avenida Alvarado G	Jerry	9517191290
3599018	Machine Shop	Harley Parts Plus	43064	Blackdeer Loop D	Hieu	9513757430
3599018	Machine Shop	Robert Epstein	27430	Bostik Ct	Robert	7605218653
3599018	Machine Shop	Arthur Gertz Jr	27430	Bostik Ct	Robert	7605218653
3599001	Machine Shop	K W Machine Works	41915	Business Park Dr	Arthur	9513754928
3599018	Machine Shop	3 - D Precision Machine Inc	43391	Business Park Dr C 5	Warren	9516761377
3599018	Machine Shop	One Stop	42132	Remington Ave	Linda	9512965449
3599018	Machine Shop	Apptech	42245	Remington Ave 9	Carl	9512962224
3599018	Machine Shop	I-Cam Machining	42225	Remington Ave A 20	Pilar & Silvano	5622722714
3599018	Machine Shop	Stewart Metalcraft	42274	Rio Nedo 2	Juan Carlos	9512963798
3599001	Machine Shop	Future Manufacturing Inc	42217	Rio Nedo B 103	Brad	9512962267
3599001	Machine Shop	Mainwaring Machining Inc	43154	Via Dos Picos C	Rowe	9516761234
7992001	MANAGEMENT	C S C Golf Management	42095	Zevo Dr A 9	George E	9512523763
3495001	MANUFACTURING	Aard Spring & Stamping	45100	Redhawk Pkwy	Richard A	9513023850
3089001	MANUFACTURING	Molding International & Eng	42111	Avenida Alvarado	W D	9512960844
			42136	Avenida Alvarado	Bradway B	9512965010

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SIC Code	Business Type Description	Firm Name	Street Number	Street Name	Owner First Name	Phone Number
3999001	MANUFACTURING	Aqua Ultraviolet / Romar Innovations	42371	Avenida Alvarado B	Marene	9516934533
3599018	MANUFACTURING	Kirk Machine & Tool	42143	Avenida Alvarado B 1	Radoslav	9512961077
3081001	MANUFACTURING	National Process Industries Inc	42250	Baldaray Cir A	Chaney	9516760343
3052001	MANUFACTURING	M A C Products Inc	43214	Blackdeer Loop	Jones	9512963077
3469001	MANUFACTURING	Temecula Quality Plating Inc	43095	Blackdeer Loop A	Duc M	9512969878
2759025	MANUFACTURING	Label Productions Of California, Inc	43135	Blackdeer Loop B	Hamelback	9512961881
5013007	MANUFACTURING	B B K Performance Inc	27440	Bostik Ct	Murphy	9512961771
3999001	MANUFACTURING	Generic Manufacturing Corp	27455	Bostik Ct	Lonnie	9512962838
3999001	MANUFACTURING	Bostik Inc	27460	Bostik Ct	Robert	4147742250
3674033	MANUFACTURING	International Rectifier / Hexfit	41915	Business Park Dr		9.51677E+13
3999001	MANUFACTURING	Opto 22	43044	Business Park Dr	Engman Robert	9516953000
3999001	MANUFACTURING	Diligent Solutions Inc	43153	Business Park Dr	Stephen A	9516945601
3599001	MANUFACTURING	Advanced Precision Industries	43357	Business Park Dr 106	Frank J	9516768795
3679001	MANUFACTURING	Electro Support Systems Corp	27449	Colt Ct	Richard	9516762751
3599018	MANUFACTURING	Long Machine	27450	Colt Ct	Larry	9512960194
3599001	MANUFACTURING	Spenco Machine & Mfg	27556	Commerce Center Dr	Spencer Robert	9516995566
3999001	MANUFACTURING	Precision Powder Coating	27610	Commerce Center Dr	Stangl	9096935600
3999001	MANUFACTURING	Unique Precision Industries	27649	Commerce Center Dr	Augusto	9516955520
2711002	MANUFACTURING	R Donnelley	40610	County Center Dr		6157823759
3555001	MANUFACTURING	Tension Envelope	40750	County Center Dr	William	9512960500
2899103	MANUFACTURING	Axeon Water Technologies	40980	County Center Dr 100	Augustin	7607235417
3469001	MANUFACTURING	Master Tool & Die	27495	Diaz Rd	David R	9516769960
7699001	MANUFACTURING	Rancho Drivetrain Engineering	41740	N Enterprise Cir 106	Ray	9512966163
5013021	MANUFACTURING	Elite Automotive Products Inc	43084	Rancho Wy A	Michael	9516995050
3083001	MANUFACTURING	Western Plastics Inc	41995	Remington Ave	Cunningham	9516951983
3559052	MANUFACTURING	Rousseau Precision Machine Inc	42182	Remington Ave	Tammy A	9512961210
3999001	MANUFACTURING	Oreg Corporation	42306	Remington Ave	Jess L	9.51297E+12
3999001	MANUFACTURING	The Scotts Company / Temecula	42375	Remington Ave		9517191700
2992001	MANUFACTURING	Global Defense Initiatives	43460	Ridge Park Dr 200	Marco	9513030443
3496001	MANUFACTURING	South Bay Cable Corp	42033	Rio Nedo	Brown Gordon	9516592183
3569001	MANUFACTURING	Banner American Products Inc	42381	Rio Nedo	Cook	9512969780
3999001	MANUFACTURING	Cassidian Communications Inc	42505	Rio Nedo	Robert	9517192100
3999001	MANUFACTURING	Solid State Stamping Inc #2	42580	Rio Nedo	Bradway B	9516766100
3825001	MANUFACTURING	Pacific Electric Inc	42640	Rio Nedo	Harry A	9512961562
3999001	MANUFACTURING	Q C M Research	42232	Rio Nedo A	Scott	9516945939

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SIC Code	Business Type Description	Firm Name	Street Numbe	Street Name	Owner First Name	Phone Number
3589027	MANUFACTURING	Hydro Flow Filtrations System L L C	42188	Rio Nedo B	Charles R	9515384937
3999001	MANUFACTURING	Ryer Inc	42625	Rio Nedo B	Aust Robert	9512962203
2821037	MANUFACTURING	T S T Molding L L C	42188	Rio Nedo C	Lester David	9515369341
3728059	MANUFACTURING	N B & C Group	42210	Roick Dr 9	Richard	9512962407
3999001	MANUFACTURING	N / C Industries	42147	Roick Rd	Waltz Richard	9512969603
3728001	MANUFACTURING	C N C Manufacturing	42158	Sarah Way	Cruz	9516930098
3599001	MANUFACTURING	Ohmdel Eng Mfg Inc	42169	Sarah Way	Fajt Tibor	7146999402
3999001	MANUFACTURING	Solenergy Corp	42179	Sarah Way	Theodore Stern	9512966403
3549015	MANUFACTURING	Temecula Precision	42201	Sarah Way	Steve	9516994066
3599018	MANUFACTURING	Temecula Precision Machining	42201	Sarah Way	Flood	9516994066
3825001	MANUFACTURING	Electro - Numerics Inc	42213	Sarah Way	John & Jane	9516992437
3721001	MANUFACTURING	Quicksilver Aeronautics LLC	42214	Sarah Way	Daniel	9515060061
3999001	MANUFACTURING	A A Worms Inc	43062	Via Dos Picos	Jennifer	9516766384
3999001	MANUFACTURING	Rafterdetails Awp Inc	42068	Winchester Rd	Kathleen	9512005943
3999103	MANUFACTURING	Ultramax	42400	Winchester Rd	Bruce	9515537686
3999001	MANUFACTURING	V & T Tooling	42420	Winchester Rd	Wilson	9512966403
7699045	MANUFACTURING	Inland Artificial Limb & Brace Inc	41707	Winchester Rd 102	Guy F	9512961894
3499027	MANUFACTURING	P H E D Corporation	42389	Winchester Rd A	Poullath	7146804612
2869080	MANUFACTURING	Hno Green Fuels Inc	42319	Winchester Rd E	Donald	9517191500
3356001	MANUFACTURING	Channell Commercial Corp	26040	Ynez Rd	William H	9517192600
3999001	MANUFACTURING	ADTI Media, LLC	42230	Zevo Dr	James P	9.51495E+13
3999001	MANUFACTURING	Advance Display Technologies Inc	42230	Zevo Dr	James	9.51795E+13
3674001	MANUFACTURING	Micro Grow Greenhouse Sys Inc	42065	Zevo Dr B 1	Tom M	9512963340
3999001	MANUFACTURING	Raw Motorsports	42065	Zevo Dr B 16	Dana	9516996922
3825039	MEDICAL	Steris Inc	43425	Business Park Dr		9516949340
3069054	MEDICAL	Xona Microfluidics L L C	27574	Commerce Center Dr 137	Joseph	9513080044
3599018	MISCELLANEOUS SERVICE	Maya's Manufacturing	43214	Blackdeer Loop 204	Maya	9092963020
3088001	MISCELLANEOUS SERVICE	Hydro Dimensions / Berge Enterprises Inc	27957	Diaz Rd	Arthur J	9516767290
7353001	MISCELLANEOUS SERVICE	R S C Equipment Rental Inc	28377	Felix Valdez Ave	Tom	9516762233
4212001	MISCELLANEOUS SERVICE	A A Two Men Will Move You Inc	27780	Jefferson Ave M	Kathleen	9516939133
2671001	MISCELLANEOUS SERVICE	Pro Packaging Inc.	42306	Remington Ave	Jess	9.51297E+12
7389001	MISCELLANEOUS SERVICE	C C S Quality Assurance Inc	41951	Remington Ave 160	Curry	9514917152
2512001	MISCELLANEOUS SERVICE	G & M Custom Upholstery	42346	Rio Nedo E	Rocio	9512965336
2542016	MISCELLANEOUS SERVICE	Top Point Usa Inc	32483	Temecula Pkwy E 112	Said	7604454609
7389114	MISCELLANEOUS SERVICE	Innovative Pool Solutions Inc	26111	Ynez Rd C 4	Charles N	9516933223

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7217001	MISCELLANEOUS SERVICE	Pulido Cleaning & Restoration	27475	Ynez Rd P M B #427	Craig	9512969090
7342001	PEST CONTROL	Orkin Pest Control	40880 B	County Center Dr B	Orkin	9096582165
7342005	PEST CONTROL	Freedom Pest Control Inc	42217	Rio Nedo A 101	Damon	9516950771
7342007	PEST CONTROL	Antimite Termite & Pest Control	42065	Zevo Dr B 2	Int'l Co L P	9096062300
2759001	PRINTING/PUBLISHING	Minuteman Press	27452	Jefferson Ave	Qualm Carolyn	9516950106
2711001	PRINTING/PUBLISHING	Potamus Press Designs	27625	Jefferson Ave 107	Anthony	9516932136
2711002	PRINTING/PUBLISHING	Rancho Reprographics	27715	Jefferson Ave 111	Gary & Renee	9516765300
2711001	PRINTING/PUBLISHING	Enterprise	27740	Jefferson Ave 380		9516766188
2731001	PRINTING/PUBLISHING	Rancho Graphics	28410	Old Town Front St 112 B	F	9516995005
2732001	PRINTING/PUBLISHING	Sunstone Publishing Group LLC	42580	Rio Nedo	Brad	9512166340
2759001	PRINTING/PUBLISHING	Robinson Printing & Creative Media Inc	42685	Rio Nedo	David	9512960300
2752001	PRINTING/PUBLISHING	Omega Print	41669	Winchester Rd 103	Paul	9516999155
7992002	RECREATIONAL	Mc Millin Redhawk L L C	45100	Redhawk Pkwy	Llc	9513023850
5093001	RECYCLE	Temecula Recycling	27635	Diaz Rd	Charles G	9516931500
5093001	RECYCLE	Heavy Metal Scrap & Recycling Inc	43136	Rancho Wy	Sheli	9516984256
7359001	RENTAL-COMMERCIAL	Brookstone Emergency Services, Inc	43320	Business Park Dr B 101	Arthur H	9516943373
7359001	RENTAL-EQUIPMENT	Volvo Construction Equipment Rents Inc	28115	Del Rio Rd	Steve	9516954802
7353001	RENTAL-EQUIPMENT	Excel Rental Center	28115	Del Rio Rd A	Ladenes Lynn	9516760546
7359001	RENTAL-EQUIPMENT	The Hitching Post	28480	Old Town Front St	Harvey	3103962107
7359001	RENTAL-EQUIPMENT	Pluri End Products Inc	42224	Sarah Way	Vonhirsch	9516994573
3542019	RENTAL-EQUIPMENT	DIY Tool Rental Inc	40335	Winchester Rd J	Joseph	
7359001	RENTAL-EQUIPMENT	Big Fogg Inc	42095	Zevo Dr A 2	Miehl	8888531728
3599001	REPAIR SERVICES	Crowder Machine & Tool	43339	Business Park Dr	Crowder William	9516993370
3571006	REPAIR SERVICES	Bits Bytes & Nibbles Inc	27780	Jefferson Ave 8	Adi	9514611030
7699001	REPAIR SERVICES	Temecula Motorcycle Service	41860	S Enterprise Cir F	Deven J	9092969377
5531004	REPAIR/PARTS-AUTO	Redhawk Lube & Auto Repair	44260	Apis Rd	Thomas E	9513039888
5013007	REPAIR/PARTS-AUTO	Rancho Auto Parts	42011	Avenida Alvarado A	Carter	9512965392
5541002	REPAIR/PARTS-AUTO	Toyota Of Temecula Valley Auto Serv	41892	Motor Car Pkwy	Atwood	9516940575
3751001	REPAIR/PARTS-AUTO	American V-Twin	28822	Old Town Front St 208	Don	9516944140
3714060	REPAIR/PARTS-AUTO	Dyno - Trans Transmissions	41979	Rio Nedo B	Jackie L	9516944294
5014002	REPAIR/PARTS-AUTO	Ramona Tire & Service Center	31955	Via Rio Temecula Rd	Donald	9513033584
5013007	REPAIR/PARTS-AUTO	Auto Zone #5936	40345	Winchester Rd	William C	9014957657
5531007	REPAIR/PARTS-AUTO	Americas Tire Co / Discount Tire Co	40885	Winchester Rd	Bruce T	9515144644
5812038	Restaurant	Sweet Lumpy's B Q L L C	41915	3rd St	Syroka	9515381214
5812036	Restaurant	Palumbo's Ristorante	41925	5th St 102	Paul	9516997925

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SIC Code	Business Type Description	Firm Name	Street Numbe	Street Name	Owner First Name	Phone Number
5812001	Restaurant	Investment	44515	Bedford Ct	Dana	9516949196
5812037	Restaurant	Siam Kitchen Thai Cuisine	44535	Bedford Ct F	Piyada	9512949231
5812025	Restaurant	The Hot Dog Shoppe	43810	Butterfield Stage Rd 102		9514910606
5812036	Restaurant	Aztek Tacos Real Mexican Grill	43810	Butterfield Stage Rd F 104	Yvette	9513027501
5812001	Restaurant	El Pollo Loco #3337	27375	Jefferson Ave		9512966235
5812036	Restaurant	Mo's Egg House	27405	Jefferson Ave	Richard G	9512259706
5812019	Restaurant	Jack In The Box	27410	Jefferson Ave	David	9518160189
5812001	Restaurant	Del Taco #395 / Del Taco L C	27445	Jefferson Ave		9096762921
5812019	Restaurant	E. A. T.	27535	Jefferson Ave	Leah	9516943663
5812001	Restaurant	Tacos El Gordo	27590	Jefferson Ave	Doris	9512652106
5812036	Restaurant	China Super Buffet Inc	27624	Jefferson Ave	Ho	9516994220
5812038	Restaurant	Wendy's / Coastline Food Service	27672	Jefferson Ave	J Michael	9515876151
5812001	Restaurant	In N Out Burger #62	27684	Jefferson Ave	Lynsi	6263385587
5812001	Restaurant	Mc Donalds #7698	28100	Jefferson Ave	Gordon T	9516772098
5812036	Restaurant	Vince's Spaghetti Express Inc	28145	Jefferson Ave	Cuccia	9515872782
5812001	Restaurant	Vero's Mexican And Seafood	27911	Jefferson Ave 101	Armando	9516946373
5812036	Restaurant	Greek Place	27326	Jefferson Ave 17	Vassiliki	9512965674
5812038	Restaurant	Casa De Lucy Mexican Restaurant	27465	Jefferson Ave 9	Luz	9514400233
5812039	Restaurant	Subway #30066	27315	Jefferson Ave C	Jesus	9515872477
2037002	Restaurant	Natural Juice Bar And Deli	42031	Main St A	Trinidad	9513452652
5812001	Restaurant	Courtyard Cafe	42030	Main St H	Charles	9516948803
5812036	Restaurant	Hometown Buffet / O C B Restaurnt #325	40390	Margarita Rd		9516941116
5812036	Restaurant	Islands Fine Burgers & Drinks	40497	Margarita Rd	De Grazier	9515063510
5812001	Restaurant	Chick - Fil - A Of Temecula F S U	40531	Margarita Rd	Elizabeth	9512966467
5812019	Restaurant	Happy Chicken	42197	Margarita Rd	Isaac	
5812001	Restaurant	Shogun Restaurant	41501	Margarita Rd 101	Bruce	9512969133
5812010	Restaurant	Olivera's Coffee & Juice Bar	43049	Margarita Rd 101	Barry	9516762068
5812008	Restaurant	Little Caesars #5956	44066	Margarita Rd 4	Marian	9513023600
2024016	Restaurant	Mangoz Ultimate Frozen Yogurt	40573	Margarita Rd B	Janice M	9512940770
5812001	Restaurant	Pamir Kabob House Inc	41257	Margarita Rd B 101	Noor	9512969100
5812033	Restaurant	Michael's Pizza	43053	Margarita Rd B 101	Bejan	9513853145
5812036	Restaurant	Little Tokyo Sushi & Teriyaki	43053	Margarita Rd B 105	Boo-Ja	9516935959
5812001	Restaurant	Minong Korean B B Q Village	41269	Margarita Rd C 101	Kyong S	9512965211
5812010	Restaurant	Ryan Brothers Coffee Of San Diego Inc	40573	Margarita Rd F	Thomas A	
5812036	Restaurant	Temecula Inc	41377	Margarita Rd F 101	Lingham	9512969016

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5812001	Restaurant	Flame Broiler	40573	Margarita Rd G	Farid J	7143050863
5812010	Restaurant	Cosi #607 / Golden Restaurant L L C	41493	Margarita Rd G 109	Robert	9512966208
5812036	Restaurant	Aiyara Thai Cuisine	41533	Margarita Rd M 102	Ukkraphontchai	
5812036	Restaurant	Taqueria Los Campeones	41925	Motor Car Pkwy C	Fernando	9515262592
5812036	Restaurant	Arigato	41915	Motor Car Pkwy D & E	Lee Bong	9516768090
5812036	Restaurant	New Seoul Galbi	44925	Motor Car Pkwy G	Ronald Y	9516992369
5812037	Restaurant	Pizza Hut Of Southeast Kansas Inc-3	27267	Nicolas Rd 104	Fugate J	9515873830
5812010	Restaurant	Panera Bread #1255	41793	Nicole Ln	William	3149841000
5812036	Restaurant	Da Bayou	41789	Nicole Ln B 1	Thane	9516997900
5812008	Restaurant	Walton Restaurant Group Inc	28495	Old Town Front St	Ron	9512013275
5812001	Restaurant	Penfolds Cafe & Bakery	28250	Old Town Front St	Love	9516766411
5812033	Restaurant	Pizza N More	28276	Old Town Front St	Senan S	6199629250
5812036	Restaurant	Restaurant	28290	Old Town Front St	Luis	9516954991
5812010	Restaurant	Starbucks Coffee #9902	28459	Old Town Front St	Howard	2063188705
5812001	Restaurant	The Bank Of Mexican Food / Craig Puma	28645	Old Town Front St	Craig Puma	9516766160
5812036	Restaurant	A Touch Of Soul	28970	Old Town Front St	Sr	9512396450
5812036	Restaurant	Lienzo Charro Inc	29000	Old Town Front St	Genaro O	8586686544
5812019	Restaurant	Inc	29105	Old Town Front St	Kris N	9516950606
5812010	Restaurant	Reza Cafe	28975	Old Town Front St 101	Parveen	9515058337
5812036	Restaurant	Knuckleheads On Front Street	28410	Old Town Front St 112	Maria	9516931924
5812033	Restaurant	Front Street Pizza	28690	Old Town Front St 330	Garth B	8778045236
5812036	Restaurant	Soro's Mediterranean Grill	28464	Old Town Front St A	Dylan	8587748672
5812037	Restaurant	Campinis Italian Deli Inc	28860	Old Town Front St A 1	Vincent E	9516769787
5812001	Restaurant	El Dorado Mexican Food	29000	Old Town Front St B	Juan	7608957850
5812010	Restaurant	Cafe Daniel	28601	Old Town Front St F	John	9516768408
5812001	Restaurant	#1678	29025	Overland Dr	William R	9514910442
5812039	Restaurant	Submarina California Subs	29073	Overland Dr I	Shilpa	9513109506
5812001	Restaurant	Wahoo's / Action Fuel L P	29073	Overland Dr K	W T	9516944444
5812036	Restaurant	Pat & Oscar Temecula	29375	Rancho Calif Rd	Tamara P	9516952422
5812010	Restaurant	Starbucks Coffee #7927	29588	Rancho Calif Rd	Howard	2063188705
5812036	Restaurant	Venture Inc	29700	Rancho Calif Rd	Herver A	9096994992
5812019	Restaurant	Burger King	30534	Rancho Calif Rd	L L C	9516930899
5812001	Restaurant	Carls Jr #1023	30660	Rancho Calif Rd	Dana	7142726277
5812036	Restaurant	Green Burrito #51	30680	Rancho Calif Rd	Dario	9516992493
5812010	Restaurant	Starbucks Coffee #10188	31867	Rancho Calif Rd 100	Howard	2063188705

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5812019	Restaurant	Subway #35837	31891	Rancho Calif Rd 100	Amie	9512654507
5812033	Restaurant	Spuntino / Trinacria Inc	31891	Rancho Calif Rd 200	Alex	9516997722
5812033	Restaurant	Papa John's Pizza #2258	30590	Rancho Calif Rd 307	Ahmad	9516948998
5812036	Restaurant	Pizza Hut Of Southeast Kansas Inc-1	29740	Rancho Calif Rd A	Larry	9516930113
5812001	Restaurant	Peonys Chinese Cuisine	30520	Rancho Calif Rd A101-102	Zhang	9516951878
5812001	Restaurant	Surf Tacos And Tacos	29760	Rancho Calif Rd D 115	Lucia	9512259720
5812037	Restaurant	Dragon Express L A A Inc	29588	Rancho Calif Rd K 11	Li Chan	9516939578
5812036	Restaurant	La Choza	29760	Rancho California Rd 115	Nelly	
5812001	Restaurant	Jazzys Restaurant	30590	Rancho California Rd 303	Omar	9512395657
5812036	Restaurant	Del Taco L L C #279	44260	Redhawk Pkwy	Paul	9513028398
5812036	Restaurant	Original Chicago Beef Co	31093	Temecula Pkwy D1	Joshua	
5812010	Restaurant	Starbucks Coffee #8908	30571	Temecula Pkwy	Howard	2063188705
5812036	Restaurant	Del Taco L L C #763	30607	Temecula Pkwy	Paul	
5812038	Restaurant	In-N-Out-Burger #200	30697	Temecula Pkwy	Lynsi	9516930136
5812036	Restaurant	Baja Cactus Mex Food Restaurant	31285	Temecula Pkwy	Banuelos	9513081468
5812038	Restaurant	Taco Bell #17984	31677	Temecula Pkwy		9093030129
5812001	Restaurant	Mc Donalds #20164	31853	Temecula Pkwy	Gordon	9516772098
5812038	Restaurant	Siggy's #2 Inc	31970	Temecula Pkwy	Nikolaos	9093039399
5812036	Restaurant	I H O P #834 / Eight Thirty Four Co Inc	32135	Temecula Pkwy		9513027087
5812019	Restaurant	Mc Donalds #29827	32225	Temecula Pkwy	Wronski	7.60599E+12
5812019	Restaurant	Thomas Management K L J Temecula Inc	32425	Temecula Pkwy	Edward	9513022199
5812038	Restaurant	El Pollo Loco - Highway 79	32451	Temecula Pkwy	Roland	9513022611
5812037	Restaurant	Carls Jr #1410 / B & J L L C	33125	Temecula Pkwy	McClure	9092726277
5812001	Restaurant	Hana Sushi - Red Hawk	31805	Temecula Pkwy 1 & 3	Young Gi	
5812037	Restaurant	Quiznos Sub #3640	32389	Temecula Pkwy 110	Mc Pherson	9513039878
5812038	Restaurant	Subway #27343	31285	Temecula Pkwy 120	Sanchez	9513030895
2024016	Restaurant	Golden Spoon Frozen Yogurt #2	32389	Temecula Pkwy 120	Denuccio	9516949088
5812036	Restaurant	Los Jilbertos Temecula Inc	30571	Temecula Pkwy B	Samuel	9516766101
5812033	Restaurant	Red Brick Pizza	32195	Temecula Pkwy B	Jorge	9516934438
5812039	Restaurant	Subway #10297	31829	Temecula Pkwy B 1	Shipra	9516722773
2024016	Restaurant	Yogurt Island	32240	Temecula Pkwy B 106	Yadong	9513038888
5812033	Restaurant	Utopizza	30571	Temecula Pkwy C	Alaciel	9515063999
5812026	Restaurant	Dairy Queen / B & S Food Services	31845	Temecula Pkwy C	J Brent	9513026464
5812036	Restaurant	Panda Express #834	32195	Temecula Pkwy C	Cherng Peggy	6267999898
5812036	Restaurant	Great Panda Oriental Cuisine	31940	Temecula Pkwy C 3	Celso	9093029607

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SIC Code	Business Type Description	Firm Name	Street Number	Street Name	Owner First Name	Phone Number
5812038	Restaurant	Albertos Mexican Food	31940	Temecula Pkwy C 4	Deborah	9517576377
5812036	Restaurant	Golden Bowl	31069	Temecula Pkwy C 5	Hai Hien	9513032835
5812001	Restaurant	Pho Fei	31333	Temecula Pkwy C10-130	Tyler	9513038405
5812010	Restaurant	International Coffee & Tea LLC	31938	Temecula Pkwy D	Sunny	9516940723
5812019	Restaurant	Los Tacos	32065	Temecula Pkwy D	Nhan	7605000978
5812036	Restaurant	Burger King #14276	32110	Temecula Pkwy D	LLC	9513021643
5812036	Restaurant	Pick Up Stix Inc #761	32240	Temecula Pkwy D	Lorne	9517193778
5812037	Restaurant	Pizza Hut Of Southeast Kansas Inc-2	33195	Temecula Pkwy D	Fugate J	9513031388
5812036	Restaurant	Hi Tofu	32459	Temecula Pkwy D 101	Yeon Ock	
5812033	Restaurant	Bongiorno's New York Pizzeria	32459	Temecula Pkwy D 105	Michael	9513027400
5812038	Restaurant	Mariscos El Cuate	32459	Temecula Pkwy D 107	Florencio	9513030048
5812019	Restaurant	Jack In The Box Inc #3391	32055	Temecula Pkwy E		9513030933
5812038	Restaurant	Submarina	32065	Temecula Pkwy E	Wills	9513033110
5812036	Restaurant	Royal Panda	33195	Temecula Pkwy E	Pien	9514910560
5812001	Restaurant	Sushi Love Boat	33215	Temecula Pkwy E	Sung Sup	
5812038	Restaurant	Blue Peacock Cuisine Of India	31093	Temecula Pkwy F	Karamjeet K	9516913357
5812036	Restaurant	El Ranchito Taco Shop #2	33195	Temecula Pkwy G	Raymond	9516946643
5812034	Restaurant	Dominos Pizza / Raja Enterprises Inc	31165	Temecula Pkwy G 1	Raja	9096700707
5812019	Restaurant	Enterprises	39562	Winchester Rd	Rod	9515064191
2037001	Restaurant	Juice Paradise	39716	Winchester Rd	In	9516946222
2037001	Restaurant	Juice It Up	39848	Winchester Rd	Willie R	9516939360
5812038	Restaurant	Del Taco #835 / Del Taco LLC	40375	Winchester Rd	Paul	9512962670
5812019	Restaurant	Jack In The Box	40412	Winchester Rd	David	9518160189
5812019	Restaurant	Five Guys Burgers And Fries	40426	Winchester Rd	Daniel	9512961955
5812001	Restaurant	Mc Donalds #18171	40465	Winchester Rd	Gordon T	9516772098
5812019	Restaurant	Burger King #13109	40520	Winchester Rd		9512962217
5812001	Restaurant	Yellow Basket Of Temecula Inc	40575	Winchester Rd	Anastasios A	9092960543
5812006	Restaurant	Starbucks Coffee #5695	40695	Winchester Rd	Howard	2064471575
5812038	Restaurant	Primos Temecula 76 LP	40720	Winchester Rd	Felix R	9517193600
5812036	Restaurant	Lazy Dog Cafe	40754	Winchester Rd	Christophioer	7145969960
5812038	Restaurant	Qdoba Mexican Grill #2766	40788	Winchester Rd	Company LLC	8585712121
5812038	Restaurant	Taco Bell #19515	41005	Winchester Rd		9092963937
5812036	Restaurant	Pancha Thai Cuisine	41125	Winchester Rd	Somvang	9512963111
5812001	Restaurant	Carls Jr #791	41195	Winchester Rd	Dana	9516760871
5812036	Restaurant	Farmer Boys Restaurant	41700	Winchester Rd	Richard	9512960221

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SIC Code	Business Type Description	Firm Name	Street Number	Street Name	Owner First Name	Phone Number
5812036	Restaurant	California Pizza Kitchen Inc	40820	Winchester Rd 1000		9092960575
5812036	Restaurant	Corporation	40405	Winchester Rd 101	Hx Xiong	9512961625
5812036	Restaurant	Sushi Boat / Eunice & Mark Inc	40820	Winchester Rd 1020	Sunghee	9517192991
5812036	Restaurant	Amerikhan Mongolian Grill	40820	Winchester Rd 1750	Lee Soo	9512969676
2024001	Restaurant	M C Food Management Inc	40820	Winchester Rd 2460	Cem	9492545252
5812010	Restaurant	Starbucks Coffee #10145	40820	Winchester Rd 2470	Howard	2063188705
5812001	Restaurant	Tavistock Freebirds L L C	40408	Winchester Rd 3		5124286202
5812040	Restaurant	Truly Madly Sweetly Inc	40754	Winchester Rd 300	Cathryn	9519704018
5812019	Restaurant	Tambayan Restaurant	41125	Winchester Rd 8B	Maria Elena B	9512966175
5812036	Restaurant	Wing'h Out	39650	Winchester Rd A	Sam	9518520151
2024016	Restaurant	Yogurt Factory / Hood Enterprises Inc	39694	Winchester Rd A	Sandra S	6194471943
5812010	Restaurant	Starbucks Coffee #14486	39848	Winchester Rd A	Howard	2063188705
5812043	Restaurant	Bruegger's Bagels #706	39584	Winchester Rd A 1	Jim B	9515065860
2024001	Restaurant	Cold Stone Creamery / Kunha Hong	40688	Winchester Rd B	Kunha	9507193151
5812001	Restaurant	Sansai Japanese Grill	39760	Winchester Rd B & C	Miguel	9516935460
5812036	Restaurant	Pho 777 Express	39650	Winchester Rd C	Dung D	9515876000
5812039	Restaurant	Subway #30968	40315	Winchester Rd C	Jesus	9515870511
5812036	Restaurant	Pick Up Stix Inc #762	40315	Winchester Rd D	Lorne	9517193778
5812019	Restaurant	El Ranchito Taco Shop	40335	Winchester Rd F	Veronica	9512961350
5812033	Restaurant	Villa Pizza	40820	Winchester Rd F C 1	Barney	9512961150
5812019	Restaurant	Carl's Jr	40820	Winchester Rd F C 2	Dana	9512961036
5812038	Restaurant	Hot Dog On A Stick / H D O S Enterprises	40820	Winchester Rd F C 4	Dan	9512960548
5812019	Restaurant	Panda Express #511	40820	Winchester Rd F C 5		9512960581
5812036	Restaurant	Panda Express #956	40820	Winchester Rd F C 5	Panda Express	9515069078
5812019	Restaurant	Suki Hana	40820	Winchester Rd F C 6	Wayne	7139657100
5812001	Restaurant	Charley's Grilled Subs	40820	Winchester Rd F C-3	Brenda	9517191511
5812036	Restaurant	Wetzel Pretzels	40820	Winchester Rd K02	James	7202345535
5812036	Restaurant	Souplantation / Garden Fresh Rest #84	26420	Ynez Rd	Michael	9512963922
5812001	Restaurant	Little Caesars Pizza / K Mart #3828	26471	Ynez Rd	Little Caesars	9516953616
5812009	Restaurant	Compass Group Foodservice	26531	Ynez Rd	Jim	9519144523
5812036	Restaurant	Ming's Restaruant	26550	Ynez Rd	Ming	9512963668
5812038	Restaurant	Costco Wholesale Food Court #491	26610	Ynez Rd	James D	9517192000
5812001	Restaurant	Mi Molcasalsa Mexican Food	26680	Ynez Rd	Javier	9516340807
5812036	Restaurant	Del Taco L L C #209	27453	Ynez Rd	Paul	9516769373
5812010	Restaurant	Karis Ohana	27501	Ynez Rd	Kristine	7605259946

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SIC Code	Business Type Description	Firm Name	Street Number	Street Name	Owner First Name	Phone Number
5812019	Restaurant	Jilberto's Taco Shop	27523	Ynez Rd	Damian	
5812038	Restaurant	Bratts T & C LLC	27648	Ynez Rd	Amber N	9516955444
3469021	Restaurant	Dippin Dotts / Dipping Dots	26479	Ynez Rd A	Shaker Sattar	9512962618
5812038	Restaurant	Aztek Tacos Mexican Grill #2	26490	Ynez Rd A	Yvette	9512011156
5812001	Restaurant	Siam Thai Food Inc.	26490	Ynez Rd B	Para	9517757783
5812036	Restaurant	Shakey's Pizza Parlor #29	26479	Ynez Rd C	Joseph	9517191145
5812036	Restaurant	Sushi Love Boat	26480	Ynez Rd C	Kim	9512969808
5812001	Restaurant	Pacific Pita Mediterranean Kitchen	26550	Ynez Rd C	Joseph	9512966535
2024001	Restaurant	Baskin Robbins / Togo's Temecula	26580	Ynez Rd C	Phillip T	9512960432
5812036	Restaurant	Gin Sushi / Jinyi Suk	26489	Ynez Rd D	Suk	9517193665
2033014	Restaurant	Juice Bar	27520	Ynez Rd D 1	Jay	9516939403
5812019	Restaurant	Pho Mai Vietnamese Gourmet	26487	Ynez Rd H	Thang	9512961880
5812036	Restaurant	Hana Sushi Temecula	27576	Ynez Rd H 15	Joo Youn	9516998589
5812036	Restaurant	Juan Pollo #24	27548	Ynez Rd I 13	Abel Gonzalez Jr	9516952597
2024016	Restaurant	Golden Spoon Frozen Yogurt #1	27636	Ynez Rd L 1	David	9515064076
5812039	Restaurant	Subway #4778	27636	Ynez Rd L 11	Shipra	9513249993
5812036	Restaurant	Daphnes Greek Cafe	27644	Ynez Rd M 1-3	Shannon	9516935313
5812019	Restaurant	Goldilocks	27480	Ynez Rd O 1	Robert L	9516948880
5812001	Restaurant	Wok In #1	26491	Ynez Rd Q	Yu S	8587222830
5812001	Restaurant	Jack's Sub City	26491	Ynez Rd T	John S	9512969835
5812001	Restaurant-LIQUOR	Grandadz Hot Dogs	41958	5th St	Ladd L	9516951300
5812033	Restaurant-LIQUOR	Nitza's Pizza	42072	5th St 106	Helen N	9516992895
5812036	Restaurant-LIQUOR	Saloon	42072	5th St 303	Helen N	9516992895
5812001	Restaurant-LIQUOR	Temecula Pizza Company Inc	44535	Bedford Ct D	Carol	7146949463
5812036	Restaurant-LIQUOR	Brew-Ligion	27470	Commerce Center Dr A	Brent	9516764426
5812001	Restaurant-LIQUOR	Little Chung King	27371	Jefferson Ave	Shu Chung	9516991234
5812001	Restaurant-LIQUOR	Bangkok Chef	27451	Jefferson Ave	Usanaluxmee	9516766768
5812036	Restaurant-LIQUOR	Saigon Noodle House	27523	Jefferson Ave	Nguyen Dave	9096931691
5812001	Restaurant-LIQUOR	Banzai Japanese	27533	Jefferson Ave	Nguyen T	9516931927
5812036	Restaurant-LIQUOR	Vail Ranch Steakhouse	27600	Jefferson Ave	Ron & Becky	9516941475
5812036	Restaurant-LIQUOR	Rosa's Cafe & Tortilla Factory	28134	Jefferson Ave	Hackbarth	9515065800
5812001	Restaurant-LIQUOR	Stadium Pizza	27314	Jefferson Ave 1	Anthony J	9512962400
5812001	Restaurant-LIQUOR	Guadalajara Grill Restaurant	27780	Jefferson Ave 1	Solano Miriam	9515066002
5812036	Restaurant-LIQUOR	Hard Hats Sports Grill Inc	27713	Jefferson Ave 101	Amy	9516952939
5812036	Restaurant-LIQUOR	Mantra Indian Cuisine	27645	Jefferson Ave 106	Sumit	9516941540

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SIC Code	Business Type Description	Firm Name	Street Number	Street Name	Owner First Name	Phone Number
5812036	Restaurant-LIQUOR	Taste Of India	27715	Jefferson Ave 106	Gill	9516994044
5812001	Restaurant-LIQUOR	Filippis Pizza Grotto	27309	Jefferson Ave 110	Mike D	9516998900
5812036	Restaurant-LIQUOR	Serrano's Fresco Grill	27315	Jefferson Ave A	Victor H	9517193434
5812036	Restaurant-LIQUOR	Mr Kabob Mediterranean	28120	Jefferson Ave A101	Fadi	9516766175
5812019	Restaurant-LIQUOR	Public House	41971	Main St	Gerry	9515517496
5812036	Restaurant-LIQUOR	El Torito Restaurant	40517	Margarita Rd	David	5623461278
5812036	Restaurant-LIQUOR	Red Lobster #6313	41649	Margarita Rd	Restaurants Inc	8002484918
5812036	Restaurant-LIQUOR	Temecula Oggis Pizza & Brewing Co	41301	Margarita Rd 101	Havlena	9517191360
5812001	Restaurant-LIQUOR	The J M L Group LLC	41653	Margarita Rd 103 & 104	John M	9518309092
5812036	Restaurant-LIQUOR	Romano's Macaroni Grill	41221	Margarita Rd A	Joshua	9512960700
5812036	Restaurant-LIQUOR	Chipotle Mexican Grill	40573	Margarita Rd E	Ells Matthew	9515061734
5812023	Restaurant-LIQUOR	Sorrel Restaurant Bistro	41377	Margarita Rd F 108	Adrian	9512963372
5812001	Restaurant-LIQUOR	Texas Lils Mesquite Grill	28495	Old Town Front St	Ron K	9516995457
5812001	Restaurant-LIQUOR	Swing Inn Cafe	28676	Old Town Front St	Ken	9516762321
5812036	Restaurant-LIQUOR	Old Town Dining L L C / Bailly	28699	Old Town Front St	Christopher J	9516769567
5812036	Restaurant-LIQUOR	The Edge Restaurant & Lounge	28544	Old Town Front St 100	Judith	9513752373
5812001	Restaurant-LIQUOR	Rosas Cantina	28636	Old Town Front St 109	Thesing Michael	9516952428
5812001	Restaurant-LIQUOR	Mad Madelines Grill	28495	Old Town Front St A	Sid	9516993776
5812001	Restaurant-LIQUOR	Captains Cabin	28551	Rancho Calif Rd	Don	9516769334
5812001	Restaurant-LIQUOR	Dennys Restaurant #8176	28915	Rancho Calif Rd	Mohammad	9497167596
5812036	Restaurant-LIQUOR	Marie Callenders Restaurant	29363	Rancho Calif Rd	Restaurant	9516999339
5812001	Restaurant-LIQUOR	Claim Jumper Restaurants	29540	Rancho Calif Rd	Tilman	9516946887
5812033	Restaurant-LIQUOR	Rosati's Pizza	30680	Rancho Calif Rd M 2	Steven	7608450966
5812001	Restaurant-LIQUOR	Jazsea Cuisine	31915	Rancho California Rd G300	Ichir J	9515063900
5812036	Restaurant-LIQUOR	Richies Real American Diner #104	31493	Rancho Pueblo Rd 205	Williams Linda	9096766604
5812036	Restaurant-LIQUOR	Redhawk Pizza Factory	31725	Temecula Pkwy	Riva	9093038500
5812001	Restaurant-LIQUOR	Applebee's Neighborhood Grill & Bar	32175	Temecula Pkwy	Gregory G	9095067852
5812036	Restaurant-LIQUOR	Rubio's Fresh Mexican Grill / Highway 79	32180	Temecula Pkwy	Rubio	9515870947
5812036	Restaurant-LIQUOR	Barley & Hops	31045	Temecula Pkwy 10	Scott	9513030333
5812036	Restaurant-LIQUOR	Sushi Camp	32240	Temecula Pkwy 104	Kim Lucas	9513021330
5812033	Restaurant-LIQUOR	Stadium Pizza L L C	31950	Temecula Pkwy B 2	Anthony J	9093023333
5812001	Restaurant-LIQUOR	Duke's Mesquite Broiler	31940	Temecula Pkwy C1	Scott	9513031101
5812036	Restaurant-LIQUOR	Killarney's Pub & Grill	32475	Temecula Pkwy G 101	David	9513028338
5812036	Restaurant-LIQUOR	Francesca's	31165	Temecula Pkwy G 3	Howard	9513033300
5812036	Restaurant-LIQUOR	Outback Steakhouse	40275	Winchester Rd	Mike	9097193700

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5812036	Restaurant-LIQUOR	Lucille's Smoke House & Bbq	40748	Winchester Rd	Craig	5622160200
5812036	Restaurant-LIQUOR	Mimi's Cafe / S W H Corp 40	40825	Winchester Rd	Tod P	9512969970
5812036	Restaurant-LIQUOR	T G I Fridays / Briad Restaurant Group Lic	40830	Winchester Rd	Brad	9092961510
5812036	Restaurant-LIQUOR	Red Robin International Inc	40820	Winchester Rd 1070	Eric C	9092961666
5812001	Restaurant-LIQUOR	P F Chang's China Bistro	40762	Winchester Rd 400	Richard L	9512966700
5812036	Restaurant-LIQUOR	Yard House Temecula L L C	40770	Winchester Rd 750	Steele	9497270959
5812034	Restaurant-LIQUOR	Pizzeria Venti	40335	Winchester Rd K	Diane V	9512960720
5812036	Restaurant-LIQUOR	Restaurant L L C	26440	Ynez Rd	Cimmarusti	9097193389
5812036	Restaurant-LIQUOR	B J'S Restaurant & Brewhouse	26500	Ynez Rd	Gerald W	7145002400
5812036	Restaurant-LIQUOR	Tilted Kilt Pub & Eatery	26520	Ynez Rd	Anthony R	6192368700
5812036	Restaurant-LIQUOR	House Inc	26700	Ynez Rd	Rex	9515062899
5812036	Restaurant-LIQUOR	Rubio's Fresh Mexican Grill / Ynez	27480	Ynez Rd	Rubio	9516949948
5812036	Restaurant-LIQUOR	Texas Loosey's Chili Parlour & Saloon	27483	Ynez Rd	Walton	9516948119
5812036	Restaurant-LIQUOR	Aloha Joes	27497	Ynez Rd	Joseph	9515069889
5812036	Restaurant-LIQUOR	Gourmet Italia / Trinacria inc	27499	Ynez Rd	Alessandaro	9516769194
5812036	Restaurant-LIQUOR	Scarcella's Italian Grill / Israel Negrete	27525	Ynez Rd	Ruben	9516765450
5812036	Restaurant-LIQUOR	Round Table Pizza #766	27644	Ynez Rd	Fletcher James	9516944488
5812036	Restaurant-LIQUOR	Chilis Grill & Bar #282 Temecula	27645	Ynez Rd	Roger F	9516940099
5812001	Restaurant-LIQUOR	Black Angus Steakhouse L L C	27735	Ynez Rd	Meredith	9516998000
5812036	Restaurant-LIQUOR	Inc	27507	Ynez Rd B	Yong Mee	9516999689
5812036	Restaurant-LIQUOR	Thai Kitchen Restaurant / Petersen	27520	Ynez Rd C 1	Jariya	9516768966
5812036	Restaurant-LIQUOR	Traveller's Cafe	26485	Ynez Rd N	Billy	9515951087
3751001	RETAIL	The Secret	41920	6th St A 3	Bryan N	9516935200
3677001	RETAIL	Sunstone Sales Inc	42136	Avenida Alvarado	Neil	9516761080
5013007	RETAIL	Brothers Performance Warehouse Inc	27427	Bostik Ct	Brian	8004862681
5599001	RETAIL	John Hine Temecula Mazda	42050	D L R Dr	John A	9515532000
7359001	RETAIL	Pauley Equipment Of Temecula Inc	28374	Felix Valdez Ave	Pauley	9096765751
5531007	RETAIL	Temecula Tire & Auto Repair	27415	Jefferson Ave	Nadia	9516993332
3799010	RETAIL	Prestige Golf Cars/Prestige Motor Sports	27941	Jefferson Ave	Michael	9516952720
5014003	RETAIL	Discount Tire Centers #94	28007	Jefferson Ave E	Andy	7148619024
5231001	RETAIL	Frazee Paint & Wallcovering	27355	Jefferson Ave F		9516994554
5261001	RETAIL	L & M Fertilizer Inc	28690	Las Haciendas St	Mcguire Leo L	7146762990
5531004	RETAIL	4 Wheel Parts	27310	Madison Ave 104	Darren M	9514910923
5231001	RETAIL	The Sherwin Williams Company	41662	N Enterprise Cir A		9512969088
5571001	RETAIL	Quaid Temecula Harley Davidson	28964	Old Town Front St	Quaid Richard	9515066903

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5571001	RETAIL	Rebel Racing	28822	Old Town Front St 201	Maged	9516993110
5571006	RETAIL	The Chopper Gallery	28860	Old Town Front St 3,4,5,6	Karson & Kraig	9516999090
3751002	RETAIL	Friction Ride Shop	28780	Old Town Front St B 11	James K	6268407160
2499040	RETAIL	Metalography	28766	Old Town Front St J	Linda	9285429028
3479001	RETAIL	Martian Laser	43084	Rancho Way B		8582486016
5032001	RETAIL	Dal - Tile Distribution Inc	41973	Remington Ave	Distrubution Inc	9516766881
3714063	RETAIL	Method Race Wheels	42245	Remington Ave B 15	Kevin	9092619551
5032001	RETAIL	Brandel Masonry Supplies / The Bal Corp	42368	Rio Nedo	Timothy J	9512963433
5511003	RETAIL	California Auto Sales	42103	Rio Nedo 102	Salim	9514915303
2396020	RETAIL	California T'S	42210	Roick Rd 3	Charles	9515060600
3699001	RETAIL	Action Gas & Welding Supply	41860	S Enterprise Cir A	Tim	9518944177
2519001	RETAIL	Home Cabinets & Furnishings	41675	S Enterprise Cir B	Alicia	9513787491
7389075	RETAIL	Advanced Component Taping Inc	42136	Sarah Way	Tony	9516998273
5531004	RETAIL	America's Tire Co	30661	Temecula Pkwy	Bruce T	9515414645
5211003	RETAIL	The Home Depot #1028	32020	Temecula Pkwy	Michael	9513036768
5013001	RETAIL	Auto Zone #582	31837	Temecula Pkwy A 1	William C	9516952663
5013001	RETAIL	O'Reilly Auto Parts #3675	33417	Temecula Pkwy B 101	Greg	
5551002	RETAIL	Temecula Marine Center Inc / Smith	27495	W Enterprise Cir	Michael	9516933313
2844001	RETAIL	Sal H.O. Enterprises Inc	40820	Winchester Rd	Hen	8477692555
2519009	RETAIL	Paradise Furniture	40820	Winchester Rd 1210	Yosef	3108726092
2499099	RETAIL	V P Italia Tile & Stone	41790	Winchester Rd A	Peter	9512969510
5521004	RETAIL	F F G Autogroup	26111	Ynez Rd	Ferrel	7607740362
3711005	RETAIL	D C H Acura Of Temecula	26705	Ynez Rd	Lam	9516991515
3711005	RETAIL	D C H Honda Of Temecula	26755	Ynez Rd	Lam Chau -	9094912317
3711005	RETAIL	D C H Kia Of Temecula	26799	Ynez Rd	Lam Chau -	9516993331
3711005	RETAIL	#1	26845	Ynez Rd	Shau-Wai	9516760010
5193006	RETAIL	Armstrong Garden Centers Inc	27401	Ynez Rd		6269141091
3711005	RETAIL	Temecula Buick G M C	27420	Ynez Rd	Robert C	9516996807
3711005	RETAIL	Temecula Hyundai	27430	Ynez Rd	Robert C	9516996807
5521003	RETAIL	American Auto Sales & Service Inc	26111	Ynez Rd B 16	Gregory	9514612507
3711005	RETAIL	Car Gallery / Fathi 5 Enterprises Inc	26111	Ynez Rd C 2	Massoumeh D	9517129596
5521003	RETAIL	Affordable Imports Auto Sales	26111	Ynez Rd C 5	Elias	9513777989
7359011	RETAIL	V M Motors, L L C	27548	Ynez Rd I1	Mike	7143131610
2591009	RETAIL	Inc	42215	Zevo Dr	Robert	5628088000
4225004	STORAGE/SELF-STORAGE	Butterfield Ranch Self Storage	43920	Butterfield Stage Rd	Anthony	9514916300

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SIC Code	Business Type Description	Firm Name	Street Number	Street Name	Owner First Name	Phone Number
4226001	STORAGE/SELF-STORAGE	All About Storage	27577	Commerce Center Dr	Rocky	9096760595
4225004	STORAGE/SELF-STORAGE	Precision Storage Concepts	28061	Diaz Rd	Tyler	9516995588
4225001	STORAGE/SELF-STORAGE	Midtown Temecula Self Storage	27560	Jefferson Ave	Carlene	9516761623
4225004	STORAGE/SELF-STORAGE	Linkletter Self Storage	42130	Lyndie Ln	Linkletter	9096991447
4225004	STORAGE/SELF-STORAGE	Vail Ranch Self Storage	43980	Mahlon Vail Cir	Di Luigi Gene &	9513020204
4225004	STORAGE/SELF-STORAGE	Allbright At Last - Self Storage	41941	Moreno Rd	Gerdes	7609083946
4225004	STORAGE/SELF-STORAGE	Chaparral Self Storage	27380	Nicolas Rd	Stephen M	9096994119
4226001	STORAGE/SELF-STORAGE	Rancho Self Storage / Red Hat Properties	41704	Overland Dr	Pecht Thomas	9516761265
4225004	STORAGE/SELF-STORAGE	Temecula Creek R V Storage	44526	Pechanga Pkwy	Weir	9516763837
4225004	STORAGE/SELF-STORAGE	U Store It #1 / U-Store-It Trust #336	44618	Pechanga Pkwy	U-Store-It Trust	9096766606
4225004	STORAGE/SELF-STORAGE	U Store It Trust #713	28401	Rancho Calif Rd	U-Store-It Trust	9095062440
4225004	STORAGE/SELF-STORAGE	Highway 79 Super Storage	31524	Rancho Pueblo Rd	Carlos D	9513020455
4225004	STORAGE/SELF-STORAGE	Diaz Super Storage	41906	Remington Ave		9512969797
4225004	STORAGE/SELF-STORAGE	Andrew J & Suzanne J / Galambos	42225	Remington Ave A 26	Wayne	6194356270
4226001	STORAGE/SELF-STORAGE	American Mini Storage II	41750	Rider Way	Or James	9516764280
4225004	STORAGE/SELF-STORAGE	One Source Solutions Group LLC	42232	Rio Nedo		7149144131
4225001	STORAGE/SELF-STORAGE	Foster-Miller Inc	42108	Roick Dr C	J D	6178032469
4225004	STORAGE/SELF-STORAGE	Storage Express Temecula	42189	Winchester Rd		9514910441
4225004	STORAGE/SELF-STORAGE	Merit Moving Systems Inc	42235	Winchester Rd	Stanley Larry	8775711115
4225004	STORAGE/SELF-STORAGE	D G H Temecula Self Storage Llc	26730	Ynez Ct	Hunt Donald	9096763885
4225004	STORAGE/SELF-STORAGE	So Cal Moving Inc	42180	Zevo Dr	Davis	9516951040
4111012	TRANSPORTATION/PASSENGERS	Stryder Transportation	43500	Ridge Park Dr 204	John	9516930242
4119001	TRANSPORTATION/PASSENGERS	Executive V I P Airport Shuttle	41593	Winchester Rd 210 F	Michele	9513040412
4119001	TRANSPORTATION/PASSENGERS	Esquire Limousine Service	40335	Winchester Rd E 107	Louis M	9516968333
5261003	WHOLESALE,DISTRIBUTORS	Wholesale Erosion & Landscape Products	42181	Avenida Alvarado	Gabriel	9513018334
5014001	WHOLESALE,DISTRIBUTORS	Sand Tires Unlimited Inc	42198	Avenida Alvarado	Harms J	9512966125
7359001	WHOLESALE,DISTRIBUTORS	Aegir International Medical	42066	Avenida Alvarado J	Terry	9512962310
3553005	WHOLESALE,DISTRIBUTORS	Childress Woodworks	43064	Blackdeer Loop F	Eric	7603904130
2869087	WHOLESALE,DISTRIBUTORS	International Fluid Power Of America	43105	Business Park Dr	Denis	9516762155
3567012	WHOLESALE,DISTRIBUTORS	R S D Total Control	43300	Business Park Dr A 102	Martin	9096940300
5012014	WHOLESALE,DISTRIBUTORS	Murrieta Valley R V Service Inc	27882	Del Rio Rd	Menzel	9516768990
3562002	WHOLESALE,DISTRIBUTORS	Ritebearing Co	27949	Diaz Rd	Lelong	8004311980
5172013	WHOLESALE,DISTRIBUTORS	Downs Energy	27985	Diaz Rd	Michael J	9515064545
4225001	WHOLESALE,DISTRIBUTORS	Basics Etc Corporation	41375	Mc Cabe Ct	Mike	9512960100
3646006	WHOLESALE,DISTRIBUTORS	Alliance Outdoor Lighting	28441	Rancho Calif Rd X	Robert	8009306225

NPDES Business Inspection List

SIC Code	Business Type Description	Firm Name	Street Number	Street Name	Owner First Name	Phone Number
5211009	WHOLESALE,DISTRIBUTORS	Desoto Sales Inc	43040	Rancho Wy 100	Keenan	8189980853
5032009	WHOLESALE,DISTRIBUTORS	C R Studio 4	42112	Remington Ave	Vojak C	9512962270
3822027	WHOLESALE,DISTRIBUTORS	Tesco Controls Inc	42015	Remington Ave 102	Andrew	9163958800
3612008	WHOLESALE,DISTRIBUTORS	Tensor I D & Imaging Inc	41951	Remington Ave 210	Stacey	9515513039
2434002	WHOLESALE,DISTRIBUTORS	Domain Cabinets Direct Inc	42225	Remington Ave A 11	Yan	8888722246
5013005	WHOLESALE,DISTRIBUTORS	Speedshop Belgium Inc	42225	Remington Ave A 14	Kris	9517191102
5013009	WHOLESALE,DISTRIBUTORS	W E S T	42585	Rio Nedo	Judy	9512969888
2511024	WHOLESALE,DISTRIBUTORS	Solage	42585	Rio Nedo B	Chris	9515145391
3433019	WHOLESALE,DISTRIBUTORS	Solar Sun Rings Inc	42210	Roick Rd 10	Richard C	9512966502
1743001	WHOLESALE,DISTRIBUTORS	Maison Tile	41680	S Enterprise Cir C	Renee K	9512960343
5531001	WHOLESALE,DISTRIBUTORS	Napa The Parts Store	41457	Sanborn Ave	Eric	9512960077
7389001	WHOLESALE,DISTRIBUTORS	Comali Foods Inc	27375	Via Industria	Caroline Y	3105290410
7389001	WHOLESALE,DISTRIBUTORS	Innovative Packaging Solutions Inc	27375	Via Industria	Cornejo Carlos	9516935580
2869080	WHOLESALE,DISTRIBUTORS	Apexfuels	41707	Winchester Rd 206	Gregory	8773293835
2844007	WHOLESALE,DISTRIBUTORS	Nouvara Corp	27555	Ynez Rd 135	Steven M	4.08943E+12
5013007	WHOLESALE,DISTRIBUTORS	V A Used Truck And Parts Supply Inc	26459	Ynez Rd B	Wico	9512962667
5551001	WHOLESALE,DISTRIBUTORS	Biel Enterprises LLC	42065	Zevo Dr 14	Stacy	7573870555
7699024	WHOLESALE,DISTRIBUTORS	Empire Farrier Supply / Nicolaides Ent	42065	Zevo Dr 15	Michelle L	9512960046

ATTACHMENT F

Summary of IDDE Cases

Citation Log

2013 NPDES SORS

	Date	Complaint	Sector	Response
9	07/01/2013	32088 Cala Gerona - White residue from this address going into gutter and down the street	Residential	Inspector visited the site July 2nd and contacted the homeowner. The white substance is pool water residue. Homeowner has been instructed to clean the gutter as best as possible using whatever dry methods he has available. Inspector will revisit the site by the end of the week to follow-up SOR #12225
10	07/24/2013	31030 Avenida Del Reposo - Erosion / sediment discharge; cross lot drainage.	Residential	Inspected the project; submitted a report to all property owners; requiring upper owner to repair all damage (see report attached to original SOR. Received notification that neighbors will repair damage. SOR #12268
11	08/16/2013	42586 Devant Circle - Paint running down 5 blocks from this address	Residential	SOR #12332
12	09/04/2013	41098 Via Halcon - Neighbor at this address power washed car oil into the gutter	Residential	SOR #12364
13	09/13/2013	44598 Crestwood Circle - coolant from RV being dumped onto the street and going into storm drain.	Residential	SOR #12392
14	09/17/2013	Public House Restaurant on Fifth Street - Grease from fryer being spilled onto the sidewalk & gutter	Commercial	SOR #12405
15	09/23/2013	27941 Jefferson Avenue (RV Supercenter) - Illegal discharge of waste water or grey water onto back of facility lot.	Commercial	SOR #12412
16	09/24/2013	39635 Parkview Drive - illegal storm / irrigation water dumping.	Residential	SOR #12417
17	10/07/2013	32286 Coppercrest Lane - Mud and water run-off in front of house and down the street	Residential	Resident was responded to by e-mail. See original SOR for complete response. SOR #12456
18	10/12/2013	44468, 44432 & 44456 Kenbrook Lane - Algae in street caused by neighbor draining pool.	Residential	Power washed flow line at above locations. Found a leaking RCWD hydrant; called RCWD to have them fix it in 24 hours. A maintenance crew was also sent out to clean the street afterwards. SOR # 12474
19	10/23/2013	House at north corner of Poole Court & Alton Court - White paint dumped in front of house; goes down three houses.	Residential	This was followed-up by the Senior Inspector; my recent follow-up saw no stains left after 3 months. SOR #12486
20	10/24/2013	39750 Rancho California Road (Shell Station) - Car wash water running down and across the driveway	Commercial	SOR #12487

2013 NPDES SORs

	Date	Complaint	Sector	Response
21	10/28/2013	26460 Ynez Road (Restaurant) - Storm drain has bad odor	Commercial	Storm drain is inside mall loop - not a city maintained drain. The resident who called in was contacted and it was explained to him that the catch basin in question is on private property and is not maintained by the City and that he should contact his property management company. SOR #12941
22	10/29/2013	42066 Avenida Alvarado - Construction without a permit; poured cement creating a sidewalk.	Commercial	This was a replacement of an existing sidewalk at the building at this address. I see no concern with the work but will have a building inspector check it for ADA compliance. SOR #12494
23	10/30/2013	40940 County Center Drive - cars being washed in parking lot; runoff concern	Commercial	Nothing found when inspector arrived. SOR #12497
24	11/12/2013	Tierra Vista Road (just after Calle Celeste - Bel Vista Condos) - water seeping out between curb & asphalt	Residential	No leak observed; will monitor (11/12/13). No leak observed; will monitor (11/13/13); No leak observed; will monitor (11/14/13). SOR #12521
25	11/12/2013	across from 41574 Corte Pergamino - cleanup oil and/oil transmission fluid from neighbor's vehicle.	Residential	SOR #12519
26	12/28/2013	42293 Agena Street - Neighbor dumped concrete in gutter; pooled in front of caller's house.	Residential	Talked to homeowner at 42293 on first visit and determined that the stains in the street were a result of a concrete cutting operation in their patio area. Under directive, they hand swept thoroughly, then power washed the remaining firm of material to city satisfaction. E-mailed caller advising him that our inspector had directed the homeowner to remove the residue from the street and prevent any further discharges of this nature and that his directive had been followed. SOR #12523

2014 NPDES SORS

Date	Complaint	Sector	Response
01/02/2014 1	33207 Kennedy Court (neighbor's address) - Two vehicles have been leaking oil on the street	Residential	I have gone out multiple times to the area, but was informed the vehicle leaves early and usually is not back till after 5pm. I see small traces of oil but nothing noteworthy. I called Anna to see when the vehicle may be there but she could not confirm. SOR #12524
01/02/2014 2	44361 Kingston - car leaking oil; car gets parkin in front of storm drain	Residential	Left a notice on the vehicle after seeing some evidence of leakage (1/4/14). Follow-up 1/6/14 - vehicle is in driveway with a pan under it. SOR #12526
01/06/2014 3	31573 Rancho Pueblo Road - (site of proposed new building) - can roof drains discharge through a street curb by below grade pipe.	Commercial	New development cannot drain roof runoff directly into the street without first attempting to infiltrate it onsite through WQMP BMPs. This location is slated to be an optometry office. The project was approved by the Planning Commission back in June 2013. It has a WQMP. SOR #12525
01/13/2014 4	42351 Agena Street (neighbor's address); resident spilled gas in the street from their RV.	Residential	Cannot validate claim of a chemical spill. No traces in street; no RV at this address. SOR #12527
01/21/2014 5	Donomore Court (x-street Deer Meadow) - Neighbor spilled motor oil in the storm drain	Residential	SOR #12528
01/27/2014 6	30406 & 30392 Milano Road - neighbors dumping trash/debris in the street/storm drain.	Residential	I have made multiple visits to the two addresses and, although they appear to be constantly repairing vehicles, there has been no trash, or oil stains as described. SOR #12529
01/29/2014 7	30276 Corte Coelho - overgrowth & debris clogging the storm V-ditches due to non-maintenance of property owner	Residential	A letter was written to the Corte Coelho homeowners letting them know they have a responsibility to maintain correct drainage on their property. I copied the resident who called in the complaint as well as the Meadowview Homeowners Association. SOR #12533
02/05/2014 8	42321 Agena Street - resident pouring oil on the grass caused by working on vehicle	Residential	See response below (SOR #12536) #12530 SOR
02/05/2014 9	44468 Penbrook Lane - Resident discharging pool water containing algae; accumulates in the gutter.	Residential	Found leaking fire hydrant; called RCWD and they will repair within 48 hours. Maintenance crew went out after the hydrant leak repair and power-washed the sidewalk and gutters in the area affected. SOR #12534

2014 NPDES SORS

	Date	Complaint	Sector	Response
10	02/05/2014	42321 Agena Street - resident pouring oil on the grass caused by working on vehicle	Residential	This is our "frequent" caller; there is no trace of oil or anything else in the vicinity. Jim Sappington was called by the "frequent caller" on Agena Street for no real reason. SOR #12536 This was also recorded above as SOR #12530
11	02/11/2014	30847 Loma Linda Road - car leaking oil	Residential	Homeowner was given a Notice of Violation for oil on the driveway; owner stated he would clean it up but to no avail (Code Enforcement). I left a second notice after CE original notice, and on 2/13/14, the van is in the driveway with a new pan under it. SOR #12531
12	02/18/2014	42360 Agena Street - Resident discharged coolant on their driveway; washed it down the gutter.	Residential	This location has been looked at on two separate occasions and there has never been a trace of anything in the street. There is some evidence that there is work being done on vehicles here (ramps, misc. parts boxes, rags), but no stains in the street or in the grass where called claimed they dumped their oil (call was a week ago).
13	02/25/2014	Behind 30587 Calle Pina Colada - Resident hosing horse feces in the stream behind caller's house.	Residential	Verified that this was actually taking place and talked to the resident at 30617 Calle Pina Colada. He said he would comply with my directive; that nothing whatsoever should be tossed into the creek area, and if it continues I will cite him the \$1,000 maximum penalty. SOR #12535
14	03/04/2014	31831 Camino Rosales - Resident working on engine; oil running down driveway.	Residential	See response above (SOR #12536)
15				NO NPDES SERVICE ORDER REQUESTS RECEIVED FOR THE MONTH OF APRIL, 2014
16				NO NPDES SERVICE ORDER REQUESTS RECEIVED FOR THE MONTH OF MAY, 2014
17	06/20/2014	33119 Wolfe Street (neighbor's address) - Neighbor dumping fill dirt from swimming pool over existing bank in backyard.	Residential	Caller was contacted; site will need revisiting (7/15/14). SOR #12661
18	06/24/2014	across from 30919 Putter Circle near corner of Driver Lane - Silver Ford F350 prohibited from parking on residential street.	Residential	Cannot identify owner of vehicle; this went to PD so they will handle it. SOR #12659

Active NPDES Citation Log

Company	Date	Contact or Recipient	Citation #	Amt. (\$)	Loc. of Violation	Description of violation
619 Promethean Biofuels	07/01/13	Business Owner	4964	250	27635 Diaz Rd	Secondary containment required
620 Woodside Homes	07/02/13	Doug Norton	4904	250	Bel Vista / Ynez Rd	Stop sediment discharges
621 Promethean Biofuels	07/02/13	Business Owner	4965	250	27635 Diaz Rd	Secondary containment required
622 Promethean Biofuels	07/03/13	Business Owner	4967	250	27635 Diaz Rd	Secondary containment required
623 Promethean Biofuels	07/08/13	Business Owner	4969	250	27635 Diaz Rd	Secondary containment required
624 Promethean Biofuels	07/09/13	Business Owner	4970	250	27635 Diaz Rd	Secondary containment required
625 Promethean Biofuels	07/10/13	Business Owner	4971	250	27635 Diaz Rd	Secondary containment required
626 Promethean Biofuels	07/11/13	Business Owner	4972	250	27635 Diaz Rd	Secondary containment required
627 Promethean Biofuels	07/12/13	Business Owner	4973	250	27635 Diaz Rd	Secondary containment required
628 Eligeo Inverment Co	07/15/13	Property Owner	4976	50	27635 Diaz Rd	Discharge
629 Standard Pacific	07/29/13	Property Owner	4905	250	Crown Ranch Rd entrance	Saw cut residue discharge
630 Standard Pacific	08/13/13	Property Owner	4906	250	Roripaugh Ranch Tr4	Sediment discharges
631 Standard Pacific	10/08/13	Jason Eason	4907	250	Roripaugh Ranch Tr 4	Non Compliance
632 At Your Service	10/23/13	Bus Owner	4908	250	40908 Alton	Discharge into gutter
633 Property Owner	02/25/14	Sid Hashemi	4909	50	31280 Tommy Ln	Soil placed on creek slope
634 Edge-Restaurant	03/28/14	Business Owner	4978	250	28544 Old Town Front St	Cooking oil discharge into alley and public street
635 Macintosh Builders	04/30/14	Stu Macintosh	4979	50	30026 Santiago	BMP repairs required



Santa Margarita River Region
Report of Waste Discharge

Appendix D
2013 Riverside County Co-Permittees Comments for San Diego Regional MS4 permit

WARREN D. WILLIAMS
General Manager-Chief Engineer



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RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

November 19, 2014

sent via email 11/19/14: Laurie.Walsh@waterboards.ca.gov

Ms. Laurie Walsh, P.E., WRC Engineer
CRWQCB - San Diego Region
2375 Northside Drive, Suite 100
San Diego, CA 92108

Dear Ms. Walsh:

Re: Comment - Tentative Order No.
R9-2015-0001Place ID:65801LWalsh

This letter is written by the Riverside County Flood Control and Water Conservation District (District), on behalf of itself, the County of Riverside and the Cities of Murrieta, Temecula, and Wildomar (collectively, the Riverside County Co-Permittees) regarding Tentative Order No. R9-2015-0001 (Tentative Order). The Tentative Order proposes to add the County of Orange and other agencies located in South Orange County within the existing San Diego County Municipal Separate Storm Sewer System (MS4) Permit. The Riverside County Co-Permittees appreciate the opportunity provided by the San Diego Regional Water Quality Control Board (Regional Board) to offer its comments on the Tentative Order.

The Riverside County Co-Permittees wish to reiterate their concerns regarding a Regional MS4 Permit for San Diego, Orange, and Riverside Counties. Those concerns are set out more fully in our written comment letter dated January 10, 2013, on Order No. R9-2013-0001. The Riverside County Co-Permittees will be submitting a Report of Waste Discharge prior to the expiration of their current MS4 Permit, seeking either modification to the Regional Permit or an individual permit covering only those Co-Permittees. For your convenience, the January 10, 2013 comments are attached to this letter. The Co-Permittees request that this comment letter and attachments be added to the record for the Tentative Order, since most of the issues raised in those comments still pertain to the Tentative Order. The Co-Permittees also request that the oral testimony of Riverside County Co-Permittees on Order No. R9-2013-0001 be included in the record for the Tentative Order. The Riverside County Co-Permittees support the South Orange County Co-Permittees general approach to the issues raised by the Tentative Order.

Notwithstanding the Riverside County Co-Permittees' concerns to a Regional Permit, and subject to it, the Co-Permittees offer the following observations regarding the Tentative Order.

1. Need for Path to Compliance

As set forth in our written and oral comments on Order No. R9-2013-0001, the Riverside County Co-Permittees continue to believe strongly that every MS4 permit, including the Tentative Order, should

Ms. Laurie Walsh

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November 19, 2014

Re: Comment - Tentative Order No.
R9-2015-0001Place ID:65801LWalsh

incorporate a clear and achievable path to compliance for Co-Permittees. As the Executive Officer and staff indicated in the hearings on Order No. R9-2013-0001, the San Diego County Co-Permittees will be out of compliance with the Permit's receiving water limitations (RWL) provisions for years. We agree with staff's assessment, and state further, that the lack of a provision to allow Co-Permittees to be considered in compliance with the RWL provisions leaves the Co-Permittees open to possible enforcement by third-parties and, as importantly, threatens the compliance approach that has been successfully employed by the Riverside County Co-Permittees to address water quality impairments in the Santa Margarita Region.

The Riverside County Co-Permittees agree with staff that a MS4 permit which allows the Permittees to adopt a "fail early and fail often" iterative approach to water quality is preferable to a permit which simply mandates certain actions. The Santa Margarita River Watershed Water Quality Workplan in Riverside County follows an iterative, flexible, and priority-setting approach that is intended to enable the Co-Permittees to focus on the most important water quality impairments in the Region, and make real, quantifiable improvements in water quality. As we have previously commented, if the Co-Permittees have no protection from liability for exceedances of water quality standards, they must address each such exceedance, even when that exceedance may be transitory or of minimal environmental or public health consequence. Stretching resources to address such issues diverts limited Co-Permittee resources from the most important threats to water quality and delays overall water quality improvement.

Recognizing this deficiency in the 2001 MS4 Permit for the Los Angeles County Co-Permittees, in its 2012 Permit, the Los Angeles Water Board adopted a path to compliance with RWLs through the development of adaptive and prioritized watershed management plans. The Riverside County Co-Permittees believe that a similar approach to RWL compliance should be included in the Tentative Order.

2. Hydromodification Provisions

While most of the substantive changes in the Tentative Order have specific application only to San Diego and/or South Orange Counties, the Riverside County Co-Permittees support exemptions for engineered channels and large river reaches in Provision E.3.c.(2)(e). This provision also provides an interim timeframe exemption for the implementation of hydromodification management BMP requirements for priority development projects.

The exemptions identified in Provision E.3.c.(2)(e) are appropriate and reasonable, and should be made permanent exemptions moving forward.

3. Basin Planning and Water Quality Improvement Plan (WQIP) General Comments

For the WQIPs to ultimately succeed, they need to be based upon regionally appropriate water quality standards. These water quality standards require review to ensure that they reflect sustainable conditions for beneficial uses, explicitly consider regulatory policy and environmental trade-offs

Ms. Laurie Walsh

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November 19, 2014

Re: Comment - Tentative Order No.
R9-2015-0001Place ID:65801LWalsh

inherent in the protection of beneficial uses, and address the nature and impact of stormwater upon beneficial uses.

The Riverside County Co-Permittees would like to thank the Regional Board and staff for working with the Santa Margarita River Nutrient Initiative Group on such a review. This group, which includes dischargers, tribal interests, interested non-profits, scientists, and Regional Board staff, is using a scientifically based and rigorous approach to evaluate potential water quality targets for, and sources of, nutrients in the Santa Margarita Watershed. It is our belief that this effort will lead to more considered, effective, and appropriate management of local receiving waters, and thereby promote quicker and more effective environmental outcomes. It may also assist with the identification and development of innovative and alternative programs to manage nutrients within the Region. This effort will inform the development of the Santa Margarita River Watershed Water Quality Workplan and other regulatory programs.

The Co-Permittees request and encourage Regional Board staff to work with other stakeholders to consider, prioritize, and address other perceived constraints and inconsistencies within the San Diego Region Basin Plan. Such efforts will ultimately result in a better focus of local and regional compliance programs, including the WQIPs, on actions that are more likely to effectively and quickly address public health risks and environmental risks to receiving waters. Such an approach is exactly in line with staff's emphasis on workable solutions to these challenges.

The Riverside County Co-Permittees appreciate the opportunity to comment on the Tentative Order. Should you have any questions regarding these comments, please contact David Garcia at 951.955.1330/dhgarcia@rcflood.org.

Very truly yours,


for

JASON E. UHLEY
Chief of Watershed Protection Division

Attachment

DHG:cw
P8/165901

WARREN D. WILLIAMS
General Manager-Chief Engineer



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RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

January 10, 2013

Mr. Wayne Chiu, P.E.
California Regional Water Quality
Control Board, San Diego Region
9174 Sky Park Court, Suite 100
San Diego, California 92123-4340

Dear Mr. Chiu:

Re: Tentative Order No. R9-2013-0001
Regional MS4 Permit
Place ID: 786088Wchiu

The Riverside County Flood Control and Water Conservation District (District) is submitting this comment letter on the above listed Tentative Draft Order on behalf of the Riverside County MS4 Copermittees within the San Diego Region (Riverside County Copermittees) which includes the District, the County of Riverside and the Cities of Murrieta, Temecula and Wildomar. Tentative Draft Order R9-2013-0001 (Draft Permit) was drafted by Board staff to cover Phase I municipal separate storm sewer system (MS4) Copermittees in San Diego County, southern Orange County, and the portion of southwestern Riverside County within the Santa Margarita Hydrologic Unit.

The Riverside County Copermittees have previously commented that the San Diego Water Board lacks authority to adopt a regional permit covering Orange and Riverside Counties, in addition to San Diego County; a comment which is discussed in further detail below and in the attached legal comments. Notwithstanding such objection, and subject to it, the Riverside County Copermittees are providing comments on the Draft Permit.

In the workshop on the Administrative Draft Order held on April 22, 2012 San Diego Water Board staff identified the following desired outcomes for the proposed permit:

- Improving the quality of water discharged from the MS4
- Restoring or enhancing Beneficial Uses and Receiving Water quality

It was further identified by Board staff that to be able to meet those goals, the proposed regional MS4 permit needed to be 1) Strategic, 2) Adaptive, and 3) Synergistic.

Notwithstanding the concerns of the Riverside County Copermittees with regard to the legal authority to issue a regional MS4 permit, the Copermittees agree that being able to adapt and direct resources toward specific water quality priorities in a given watershed, rather than all potential problems simultaneously, is more likely to result in actual and meaningful improvements in water quality. However, to be able to achieve those improvements the MS4 Permit must be crafted to provide the Copermittees with the ability to truly and fully

Mr. Wayne Chiu, P.E.
 Re: Tentative Order R9-2013-0001,
 Regional MS4 Permit
 Place ID: 786088Wchiu

January 10, 2013

adaptively manage their programs to focus resources on those BMP strategies and monitoring efforts that are identified as being most effective, consistent with the MEP standard, at addressing watershed priorities.

Unfortunately, many provisions in the Draft Permit, including but not limited to the Receiving Water limitation provisions in Provision A and others discussed in this letter, still do not fully support the achievement of those outcomes. The Draft Permit does not provide the Copermittees with the flexibility to be fully strategic in managing their resources nor the ability to fully adapt their programs to focus on the highest priority water quality needs of the watershed. This comment letter and the other documents submitted herewith (a redline of the Draft Permit and Legal Comments) identify some suggestions which, if adopted by the San Diego Water Board, will help to address these limitations and facilitate the desired improvements.

This comment letter is organized as follows:

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As noted, the Riverside County Copermittees also are submitting a redline of the Draft Permit ("Redline") that proposes alternative language intended at achieving solutions to the various issues raised in this letter, and a Legal Comment document ("Legal Comments") that provides additional legal context for the various issues raised in this letter. The Riverside County Copermittees reserve their right, in the context of filing a Report of Waste Discharge ("ROWD") prior to the expiration of Order R9-2010-0016 (the 2010 MS4 Permit), to again address these issues and others relevant and appropriate to the SMR.

Mr. Wayne Chiu, P.E.
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1 BACKGROUND

The Riverside County Copermittees were issued an extensive and prescriptive MS4 Permit in November 2010 which greatly expanded monitoring obligations, required special studies, a jurisdictional runoff management program, and Watershed Workplan requirements that were very different than the requirements set forth in the previous MS4 Permit issued to the Copermittees. Development and implementation of the 2010 MS4 Permit compliance requirements has been very expensive, especially in comparison to the relatively few demonstrated impairments of Beneficial Uses in the region and the Copermittees' resources. These requirements have left other important societal needs unfulfilled by the Riverside County Copermittees during a period of unprecedented and continuing economic distress. Further, the Riverside County Copermittees are still in the process of developing and implementing these 2010 MS4 Permit requirements, which is a serious concern given the very different compliance approach proposed in the Draft Permit. The Copermittees hope that the compliance efforts under the current MS4 Permit are taken into account when they submit their ROWD at the expiration of the 2010 MS4 Permit.

2 General Comments

2.1 Regional Permit

The Riverside County Copermittees respectfully submit that the San Diego Water Board is not authorized under the Clean Water Act or under its implementing regulations to issue a regional permit to Copermittees in San Diego County, South Orange County and the Santa Margarita Region (SMR) of Riverside County. As discussed more fully in the Legal Comments, the only circumstance under which the San Diego Water Board could issue such a permit would be if the Copermittees in these counties agreed to such a permit. Additionally, while the Draft Permit purports to affect the conduct of the Riverside County Copermittees upon expiration of the 2010 MS4 Permit in November 2015, the Riverside County Copermittees have not submitted a ROWD requesting coverage under a regional permit. Because no application has been made for the regional permit, which is a requirement set forth in the CWA regulations, the San Diego Water Board lacks jurisdiction to name the Riverside County Copermittees on the Draft Permit at this time.

Notwithstanding the above, the Riverside County Copermittees are submitting the comments in this letter based on:

- The San Diego Water Board staff's stated intent to enroll the Riverside County Copermittees in this permit upon expiration of the 2010 MS4 Permit.
- Statements made by San Diego Water Board staff that this comment period would serve as the primary opportunity for the Riverside County Copermittees to influence their next term MS4 Permit. The Riverside County Copermittees are entitled, as part of the ROWD process, to again raise relevant issues regarding permit provisions, but have undertaken in these comments to address major current concerns.

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2.2 Outcome Focus

As mentioned above, the Copermittees agree that being able to adapt and direct resources toward addressing the specific water quality priorities in a given watershed, rather than all potential problems simultaneously, is more likely to result in actual/meaningful improvements in water quality. However, to be able to achieve those improvements, the MS4 Permit must fully integrate the following principles:

- **The Jurisdictional Program requirements must be fully flexible:** The Permit must be written in a way that allows the Copermittees to truly and adaptively manage their programs to fully focus their existing resources on those BMP strategies and monitoring efforts that are identified within the Water Quality Improvement Plan (WQIP) as being most effective, consistent with the Maximum Extent Practicable (MEP) standard, at addressing the watershed's priorities. We understand this to be the goal of the San Diego Water Board as well. While some elements of the Draft Permit embody this need, others do not and require dedication of resources to specific pre-defined efforts, regardless of the identified need for that effort in the watershed. The specific program areas that need more work to this end are:
 - The approach to addressing Non-stormwater discharges
 - Development Planning
 - Retrofitting
 - Channel Rehabilitation

These issues and proposed new language to address these issues are included throughout this letter and/or in the attached Redline.

- **Basin Plan updates need to be Prioritized by the San Diego Water Board:** For outcome-based permitting to be successful, the desired outcomes must be achievable by and appropriate to the Copermittee. To do that, the outcomes must take into account the background conditions in the watershed, and be appropriate for the attainment of Beneficial Uses in the specific waterbody, based on the specific conditions within and influencing that waterbody. The values in the Basin Plan should be comprehensively re-evaluated to ensure that water quality standards are scientifically justified to protect Beneficial Uses. Without updating the Basin Plan, the outcomes that the Copermittees target in the WQIPs would be arbitrary and not guaranteed to achieve the desired beneficial use improvements. Such an update should be pursued aggressively, led by and adequately funded by the San Diego Water Board, with participation by the MS4 Copermittees and other dischargers and stakeholders in the watershed.
- **Other Dischargers need to be Similarly Regulated by the San Diego Water Board:** The MS4 Copermittees are not the only dischargers of pollutants in the watershed. For example, the SMR of Riverside County includes State Lands (such as Caltrans), Tribal Lands, Agricultural Operators, Industrial Permit dischargers, Construction Permit dischargers, Phase II entities, Water Districts, and 'De Minimus' dischargers issued general permit coverage; all of which:

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- Have separate regulatory programs (such as permits or waivers) implemented by the San Diego Water Board;
- May discharge pollutants, including non-stormwater, that can affect the quantity and quality of runoff, both directly within Receiving Waters, and in runoff discharges that may enter into and be discharged from the MS4; and
- Cannot be regulated by the Copermittees for the quantity and quality of their runoff because of their separate permits or waivers granted by the NPDES Program Administrator.

As such, while MS4 Copermittees can implement programs to reduce pollutants in discharges that are within their legal jurisdiction, no amount of effort by the MS4 Copermittees can be expected to fully attain water quality standards in the Receiving Waters. The only way to achieve that outcome will be for the NPDES Program Administrator (the San Diego Water Board in most cases) to directly regulate each of these entities to similar levels and standards as set forth by this Permit.

2.3 Responsibility for meeting goals of CWA

The CWA requires Copermittees subject to any MS4 permit, including the Draft Permit, only to address discharges from their MS4s. 33 U.S.C. § 1342(p)(3)(B). The Copermittees are not required to restore Beneficial Uses in any Receiving Water, or to address sources of pollution to those Receiving Waters that are not being discharged into or from those MS4s. However, in various provisions in the Draft Permit, there is a suggestion that the Copermittees are solely responsible for attaining water quality standards in their respective Receiving Waters. The San Diego Water Board must make clear in the Draft Permit that the responsibilities of the Copermittees are limited to their MS4s and the requirements of the CWA for municipal stormwater dischargers. Redline changes have been proposed in the above referenced portions of the Draft Permit to address this issue.

3 Specific Comments

The following comments represent specific high level concerns that the Riverside County Copermittees have identified at this time. Additional comments on the Draft Permit can be found in the Redline, as well as in the attached Legal Comments.

3.1 Findings

The Riverside County Copermittees have two separate sets of comments on the Findings. The first addresses the need for additional findings, with respect to aspects of California law and the physical setting of the SMR. The second set of comments focuses on existing Findings in the Draft Permit.

3.1.1 Needed Additional Findings

The Findings in the Draft Permit fail to fully address the context and conditions under which the proposed permit requirements are to be applied. A more complete explanation of this background is necessary to ensure that the Provisions ultimately included in the Draft Permit are credible, appropriate and legally required, and that the Permit Provisions (which must stem from the Findings) reflect the

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context of the broader issues that affect MS4s within the region. The Riverside County Copermittees request that San Diego Water Board staff work with the MS4 Copermittees to expand the Findings, including the addition of findings to address the following:

California Water Law

California law requires that downstream entities must accept runoff from up-gradient properties. Owners and operators of MS4s are not exempt from this legal mandate, even if that runoff contains pollutants. Moreover, flood control districts, including the District, are mandated by the California Legislature (Legislature) to protect the lives and property of residents from floodwaters. The Riverside County Copermittees request that a finding, in the form set forth in the Redlines, be added to the Draft Permit.

Flooding

Many areas that would be under the jurisdiction of the Draft Permit are subject to periodic catastrophic flooding, which results from natural conditions, specifically the presence of mountains and hilly areas in close proximity to development, along with the effect of strong Pacific storms. This flooding would occur even in the absence of development. The Legislature recognized the importance of this issue in the early 20th Century, when it established flood control districts across the state, including in Riverside, Orange and San Diego Counties. Such flooding has, and if not controlled, could result in loss of life and widespread property damage. Further, the flooding can mobilize significant amounts of pollutants from industrial, commercial, residential and agricultural lands, damaging watercourses, habitat, and the Beneficial Uses therein. MS4 systems are designed and constructed to mitigate these impacts. The Riverside County Copermittees request that a finding in the form set forth in the Redline be added to the Draft Permit.

Flood Control District Acts

As noted above, the Legislature established Flood Control Districts in Orange, Riverside, and San Diego Counties through a series of Flood Control Acts. The Legislature determined that protection of life and property from the effects of flooding through the implementation of flood control improvements was a priority, and assigned those Districts with the sole responsibility to design, construct and maintain those improvements necessary to manage and contain floodwaters to prevent such negative impacts, as well as to conserve floodwaters for beneficial use. As noted above, these improvements represent fundamental water quality BMPs inasmuch as they reduce the widespread exposure of runoff to pollutants. The Flood Control Districts, while owners and operators of MS4s, have no authority or powers beyond those granted by the Legislature. The Legislature did not provide the Flood Control Districts, for example, the authority to regulate land uses within the municipal jurisdictions of Riverside County, nor to control the volume or quality of runoff discharged by those land uses. Findings describing the legislative priority for flood control and the limitations on the governing power of the Flood Control Districts should be added to set forth the appropriate role of the Flood Control Districts as MS4 Copermittees. The Riverside County Copermittees request that a finding, in the form set forth in the Redline, be added to the Draft Permit.

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Limits on Extent of Permittee Legal Authority

The MS4 Copermittees lack the authority to regulate many significant sources of pollutants that may impact Receiving Waters. For example, the Copermittees cannot regulate pollutants discharged from federal and state lands, facilities, tribal lands, special districts, utilities, agricultural lands, or railroads. Moreover, the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) preclude local regulation of pesticides. The Riverside County Copermittees request that a finding in the form set forth in the Redline be added to the Draft Permit.

3.1.2 Comments on Existing Findings

Findings 3 and 15 (and elsewhere in Draft Permit)

In Findings 3 and 15 (and throughout the Draft Permit), it is stated that the CWA requires controls to reduce the discharge of pollutants "in stormwater" to the MEP. Finding 15, moreover, states that non-stormwater discharges from the MS4 are "not considered stormwater discharges and therefore are not subject to the MEP standard, stating that the MEP standard "is explicitly for 'Municipal . . . Stormwater Discharges" from the MS4s.

These conclusions are directly contrary to the plain language of the CWA, as set forth in the November 16, 1990 preamble accompanying the CWA stormwater regulations. Those authorities provide that the MEP standard applies to *all* pollutants discharged from the MS4, notwithstanding that some may be transported by non-stormwater. Additionally, the Redline reflects deletion of the limitation of the MEP standard to stormwater discharges in multiple locations, reflecting federal law. For a further discussion of this issue, please see the Legal Comments. The Riverside County Copermittees also request deletion of Finding 15.

Finding 11

This Finding states that "[r]ivers, streams and creeks in developed areas used [to convey runoff] . . . are part of the Copermittees' MS4s regardless of whether they are natural, anthropogenic, or partially modified features. In these cases, the rivers, streams and creeks in the developed areas of the Copermittees' jurisdictions are both an MS4 and Receiving Water." This statement is incorrect and must be deleted (as reflected in the Redline). For reasons more fully set forth in the Legal Comments, natural streams cannot be considered MS4; there is no MS4 "outfall" from a channelized river or stream to a natural stream; and, USEPA itself requires a distinction between MS4s and Receiving Waters.

Finding 12

This Finding states that as operators of MS4s, "Copermittees cannot passively receive and discharge pollutants from third parties." By providing free and open access to an MS4 that conveys discharges to Waters of the U.S., the operator essentially accepts responsibility for discharges into the MS4 that it does not prohibit or otherwise control. This statement is incorrect and must be deleted (as set forth in the Redline). As the discussion in the Legal Comments indicates, municipalities must maintain the MS4 to protect the lives and property of their citizens and to prevent nuisance. Flood Control Districts have a statutory obligation to operate and maintain such MS4, an obligation which is not affected by

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either the CWA or the terms of the Draft Permit. While an MS4 operator has the obligation to effectively prohibit the entry of non-stormwater into the MS4, it does not have legal responsibility for such discharges, which are the responsibility of the discharger itself and subject to the jurisdiction of the San Diego Water Board, pursuant to Water Code section 13260 *et seq.*

Finding 28

This Finding recites that the San Diego Water Board finds that the requirements of the Draft Permit "are not more stringent than the minimum federal requirements." The Riverside County Copermittees disagree with this finding, as it is not supported by the evidence, *i.e.*, the many requirements in the Draft Permit which exceed the federal MEP standard. Moreover, any decision by the San Diego Water Board to adopt "other provisions" going beyond MEP is not a federal requirement, but rather a discretionary decision taken by a state agency under authorization in the CWA. *See Defenders of Wildlife v. Browner*, 191 F.3d 1159, 1164-65 (9th Cir. 1999). Please see discussion in the Legal Comments. The Finding also indicates that the San Diego Water Board has developed an economic analysis of the Draft Permit. As set forth in the Legal Comments, the Riverside County Copermittees challenge the adequacy of that analysis.

Finding 29

This finding purports to find that the Draft Permit does not constitute an unfunded state mandate. The Riverside County Copermittees disagree with the conclusions set forth in this finding. More importantly, the finding is without legal effect because exclusive jurisdiction as to whether a state mandate exists, and whether it is unfunded lies with the Commission on State Mandates. Government Code §§ 17751 and 17552; *Lucia Mar Unified School District v. Honig* (1988) 44 Cal.3d 830, 837; *Hayes v. Commission on State Mandates* (1992) 11 Cal.App.4th 1546, 1596-97. The finding of an agency that has no jurisdiction to make that finding is entitled to no weight and should be deleted, as shown in the Redline. For an additional discussion of these issues, please see the Legal Comments.

Finding 31

The Riverside County Copermittees believe that the Receiving Water Limitation ("RWL") language set forth in the Draft Permit renders compliance with the permit impossible, since exceedances of water quality standards occur routinely through no fault of the MS4 Permittees. Thus, unless the RWL is modified to provide the Copermittees with a means to be in compliance, those Copermittees risk the threat of arbitrary San Diego Water Board enforcement or the bringing of citizen suit lawsuits under the CWA, which could nullify compliance with all other terms set forth in the Draft Permit, as discussed more fully in the Legal Comments. The exposure to third party litigation from the proposed RWL language is one of the most significant threats to an otherwise collaborative approach to achieving long term water quality improvement. This threat was emphasized by the recent bringing of a citizen suit lawsuit against the City of Malibu, the County of Los Angeles and the Los Angeles County Flood Control District based on similar language in the 2001 Los Angeles County MS4 Permit. The Riverside County Copermittees have suggested modifications to Provision A in the Redline and as discussed below and in the Legal Comments that are intended to better support the Iterative Process for compliance authorized by the State Water Resources Control Board in Order No.

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2001-15, through the WQIP process. The Copermittees also note that the State Board considered the problems with the RWL language at a recent workshop, which may eventually result in modifications which should, if applicable, be reflected in the Draft Permit. Other requested changes to the Findings are set forth in the Redline.

3.2 Provision A, Prohibitions and Limitations

As noted above, the requirements set forth in Provision A are of great concern to the Riverside County Copermittees. The Copermittees generally support an approach to compliance that utilizes WQIPs as the implementing mechanism for the 'Iterative Process' described in Provision A.4, and that by implementing that iterative process in accordance with A.4, that the Copermittee should be in compliance with Provisions A.1 and A.2. The Redline reflects edits of Provision A to clarify the linkage between the prohibitions and limitations in Provisions A.1. through A.3. and Provision A.4 – which is described as the method for complying with the prohibitions and limitations. It must be noted, however, that the Riverside County Copermittees do not agree with the approach suggested, that any WQIP-based compliance approach be necessarily accompanied by a Reasonable Assurance Analysis. Such analyses can be extremely complex, expensive and time-intensive to develop, and similar analyses are commonly developed within TMDL models; taking a number of years to develop and refine. Given that the Santa Margarita Watershed has no adopted TMDLs; thus, comprehensive pollutant transport and BMP models are not available for the suite of constituents that might be considered for prioritization within a WQIP for the Santa Margarita Watershed. In the context of a TMDL, such models would be developed by the combined resources of the San Diego Water Board and a range of stakeholders and dischargers. Undertaking such an exercise solely with the public resources of the 275,000 residents of the SMR is beyond the financial ability of the Copermittees and would shift the responsibility for development of TMDLs from the San Diego Water Board to the Copermittees. Comments on Provision A can be found below, in the Redline and in the Legal Comments.

3.2.1 Overview of Key Issues

As noted above, an overriding issue for the Riverside County Copermittees is having a permit that, while being appropriately proactive and aggressive at addressing the prioritized water quality conditions with the Receiving Waters, is one that all Copermittees can remain in compliance with while implementing those requirements. As presently drafted (and as made clear by statements in the Fact Sheet), Provision A imposes immediate potential liability on every Copermittee if monitoring in the Receiving Waters reflects exceedances of water quality standards that may have been caused or contributed to by MS4 discharges. San Diego Water Board staff has repeatedly indicated in workshop presentations that they expect that Copermittees will not be able to comply with the Receiving Water Limitations and Discharge Prohibitions for some time. Staff has separately indicated that they are interested in having the Copermittees undertake bold initiatives in trying to address urban runoff pollution, and that the Copermittees have actually been encouraged to "fail early and fail often" as this would reflect such progress in refining these initiatives. The iterative, flexible and priority-setting approach reflected in the WQIP is intended to allow the Copermittees to focus on the most important problems in their watershed. The entire approach is endangered, however, by RWL provisions which would allow either the San Diego Water Board or a citizen plaintiff to sue the Copermittees for any individual exceedance of the

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RWLs. Under the current version of Provision A, the unmitigated risk of such actions leads not to bold initiatives but rather to attempts to minimize liability.

As set forth in the Legal Comments, this approach is not mandated by the CWA, State Board orders or the opinion of the Ninth Circuit Court of Appeals in *Natural Resources Defense Council v. County of Los Angeles*, 673 F.3d 880 (9th Cir. 2011), *reversed*, 568 U.S. __ (January 8, 2013). As importantly, the threat of immediate potential noncompliance actually interferes with the ability of the Copermittees, including the Riverside County Copermittees, to comply with the Draft Permit. Instead of being able to focus on pollutants of highest concern in the watershed, as called for in the WQIP, the Copermittees will be forced to try to address every pollutant monitored, since the exceedance of any water quality standard leads to immediate potential liability. Moreover, because citizen plaintiffs are entitled to injunctive relief under Section 505(a) of the CWA, a federal judge could order the Copermittees to undertake steps completely independent of the WQIP or other compliance provisions in the Draft Permit.

The Riverside County Copermittees do not object to compliance provisions that will provide a means to achieve real improvement in water quality. The Copermittees are willing to undertake these Provisions, because the success or failure is in their control. Compliance with the requirements of Provision A, however, is beyond the control of the Copermittees. Based on the statements made during the workshop process, the Riverside County Copermittees believe that the San Diego Water Board is serious about working with the Copermittees on a permit that provides flexibility and problem solving approaches. To ensure that this flexibility is not lost, the Draft Permit must tie in compliance with Provisions A.1 through A.3 to a process set forth in Provision A.4. This approach is shown in the Redline and is discussed further below.

3.2.2 Comments in support of specific changes

Provision A, Introduction

The introduction notes that pollutants "in stormwater discharges" from the MS4 must be controlled to the MEP. As discussed above, the CWA does not differentiate between stormwater and non-stormwater discharges from the MS4; both must be controlled to the MEP standard. The Riverside County Copermittees have requested revised language in the Redline. Additionally, the linkage between compliance with Discharge Prohibitions (Provision A.1), Receiving Water Limitations (Provision A.2) and Effluent Limitations (Provision A.3) should be noted as being defined by Provision A.4. This change is reflected in the Redline.

A.1.a

First, language must be added providing that compliance may be addressed through the process set forth in Provision A.4. This language is provided in the Redline. Second, the Provision prohibiting discharges which are "threatening to cause" a condition of pollution, etc., is unenforceable, because it prohibits an action that, with respect to MS4 operators, is beyond their control. Moreover, there is no authority for such provisions in the Porter-Cologne Act. The Riverside County Copermittees request

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deletion of this phrase, as shown in the Redline. Additionally, as set forth in the Legal Comments, the Provision improperly expands the Discharge Prohibitions to Waters of the State.

A.1.b

40 CFR § 122.26(d)(2)(iv)(B)(1) clarifies that the requirement for an MS4 Copermittee to "effectively prohibit" the discharge of Non-stormwater/illegal discharges into its MS4s is to be accomplished through "a program, including inspections, to implement and enforce an ordinance, orders or similar means...". The language of this Provision should reflect federal law in this respect. The Redline reflects this change.

A.1.c

First, this Provision requires the Copermittees to comply with the Basin Plan prohibitions listed in Attachment A. This list is over-inclusive, as it contains requirements that are not applicable to some or all of the Copermittees' MS4 discharges, or to the Riverside County Copermittees in particular. The Riverside County Copermittees request that this Provision be amended to read as follows: "Discharges from MS4s are subject to all applicable waste Discharge Prohibitions in the Basin Plan." This change is noted in the Redline. Second, language must be added providing that compliance with this restriction can be obtained through the process set forth in Provision A.4. This language is provided in the Redline.

A.2.a

First, this Provision and Provisions A.1. and A.3 should be linked to the iterative process described in A.4. Please see the Redline.

Second, not all plans, policies, etc. set forth in Provision A.2.a.(1)-(4) may qualify as "water quality standards" or be applicable to all the MS4 Copermittees. These subsections should be deleted, and replaced with a reference to "Water Quality Standards," which is a defined term in the Draft Permit (This change is reflected in the Redline). Otherwise, the MS4 Permit would become over inclusive with respect to what is considered a water quality standard. Such standards must be established in accordance with federal and state law. If this process has not been followed for a particular requirement, it is not a "water quality standard."

A.3.a

As discussed above, this Provision erroneously states that pollutants "in stormwater discharges" from MS4s must be reduced to the MEP. Please see the Redline.

A.3.b

This Provision should also provide that compliance with a TMDL constitutes compliance with Provisions A.1 and A.2, for those pollutants/waterbodies subject to the TMDL.

A.4.a

The Riverside County Copermittees support an approach whereby compliance with Provisions A.1 through A.3 are achieved through a truly iterative approach, one which reflects the intent of the

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precedential State Water Board Order Nos. 99-05 and 2001-015. As set forth in the Redline, the Riverside County Copermittees believe that they and the other Copermittees under the Draft Permit should be considered in compliance with Provisions A.1, A.2 and A.3, as applicable, through development of the WQIP, unless the San Diego Water Board denies approval of a WQIP or amendment thereof. This ensures that the Iterative Process which is the focus of the WQIP, is utilized to provide a means to be in compliance for the Copermittees.

A.4.c

This Provision should be deleted, as is reflected in the Redline. Again, this Provision defeats the purpose of an iterative approach to compliance with the Provisions A.1 through A.3, because it allows the San Diego Water Board to enforce any provision of the Draft Permit, including those provisions at any time. The San Diego Water Board obviously retains full ability to enforce the provisions of the Draft Permit, including with respect to the failure of the Copermittees to carry out required provisions. To short circuit the WQIP/JRMP process, however, is to defeat the entire intent of the Draft Permit.

3.3 Provision B, Water Quality Improvement Plans

3.3.1 Overview of Key Issues

- The goals and requirements of the WQIP need to be aligned with the requirements of the CWA that were established specifically for MS4 permits, and not impose the restoration of Receiving Waters entirely upon MS4 Copermittees.
- The WQIP should focus on addressing sources of pollutants within the jurisdiction of the respective Copermittees.
- The BMP strategies identified in the WQIP should fully inform the selection and design of programs identified in the JRMP. Some minor edits were proposed in Provision B, with additional edits as warranted in Provisions D and E.

3.3.2 Comments in support of specific changes

Introductory paragraph

The introductory language implies that the WQIP should be designed to unilaterally protect, preserve, enhance, and restore water quality and Beneficial Uses in waters of the state. As noted in Section 2.3 above, MS4 Copermittees are responsible only for discharges from their MS4s, not the unilateral protection of Beneficial Uses within their watersheds.

Redline edits were provided to:

- Tie the goals of the WQIP to the requirements of the CWA applicable to MS4 Permits.
- Replace 'waters of the state' with 'Receiving Waters' to be consistent with federal law.
- Clarify the linkage between Provision A and Provision B.

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Additionally, Redline edits were provided to clarify that the strategies identified in the WQIP are intended to guide the specific actions that will be implemented by the Copermittees pursuant to Provision E.

B.1

The Riverside Copermittees support the redlines of the San Diego County Copermittees with regard to setting forth that the WQIP for the Santa Margarita Watershed Management Area (WMA) would commence upon enrollment of the Riverside County Copermittees into the Order.

B.2.e.

Two changes have been proposed, as shown in the Redline:

- The introductory paragraph includes language that clarifies that the Numeric Goals are not enforceable compliance standards, effluent limitations, or Receiving Water limitations. This clarification is consistent with San Diego Water Board staffs' verbally stated intent.
- Provision B.2.e.(1) as written requires that the final Numeric Goals be "capable of demonstrating the achievement of the restoration and/or protection of water quality standards in Receiving Waters". As discussed in Provision 2.3 above, meeting WQS in Receiving Waters is a goal of the overall NPDES regulatory programs under the CWA and not as a requirement to be accomplished alone by MS4 Copermittees. Redline edits have been provided to clarify that such goals are only required to be for MS4 discharges.

B.3.

In the Redline, edits were made to the introductory paragraph to ensure that the requirements are consistent with federal law. The CWA requires the 'effective prohibition' of non-stormwater discharges, not 'preventing' or 'eliminating' them.

Edits were also made to Provision B.3.a. to link the strategies more clearly to the Numeric Goals developed pursuant to Provision B.2.e, as well as to link them to the JRMP programs in Provision E.

B.5

In the Redline, edits were made to the introductory paragraph to clarify that the WQIP (and by extension the JRMP and Monitoring programs) are intended to meet the requirements of Provisions A.1, A.2, and A.3. The Tentative Order particularly excluded Provision A.1.b. (dealing with non-stormwater discharges). However, as discussed in the attached Legal Comments, the CWA requires that illegal discharges must be addressed via a program (as included in Provision E.2), and it is appropriate that the program be guided by the priorities and strategies included in the WQIP.

Other edits were made to clearly link Provision B.5 to the applicable requirements of Provision F.

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3.4 Provision C, Action Levels

3.4.1 Overview of Key Issues

- The Action Levels (non-stormwater, and stormwater) applicable within each watershed should only be those that are associated with the priority water quality conditions in that watershed, or that are 303(d) listed for that watershed. For example, if Zinc is not a priority pollutant for a watershed, and is not 303(d) listed, there should not be a Zinc action level. This change is needed because Provision D requires analysis for all 'action level' parameters. Analysis for pollutants that are not a priority for a watershed is a waste of Copermittee resources.
- The Copermittees should be able to establish alternative action levels that are appropriate to the WMA within their WQIP. Such alternative action levels would be subject to Executive Officer approval as part of the WQIP approval process.
- Footnote 8 and 10 need to clarify that the NALs and SALs are not enforceable limitations.
- Various references to 'waters of the state' need to be changed to Receiving Waters for consistency with the Draft Order and the CWA.

Please see the Redline for further detailed comments and language changes.

3.5 Provision D, Monitoring and Assessment

The Riverside County Copermittees appreciate the changes in the monitoring program reflected in the Draft Permit, as compared to the Administrative Draft. However, elements of the revised requirements are still infeasible for the Riverside County Copermittees. The comments below identify modifications of areas of the monitoring requirement's which can significantly improve the Copermittees' ability to implement and comply with the requirements, while still maintaining appropriate jurisdictional accountability and assessment requirements to guide the implementation of the WQIPs and JRMP programs. The Redline provides further detailed comments and language changes.

3.5.1 Overview of Key Issues

- Dry Weather MS4 Outfall Monitoring
 - The level of effort dedicated to monitoring and addressing outfalls with non-stormwater discharges should be commensurate with the potential impact that discharge has on a Receiving Water. If a discharge, whether persistent or transient, has no or little potential for impacting a flowing Receiving Water, (e.g. due to infiltration, evaporation, or treatment of the flows), the outfall should be de-emphasized relative to other outfalls that have discharges that have connectivity to a flowing Receiving Water.
 - Outfall Dry Weather Field Screening – As currently drafted, the number of required visual inspections of outfalls during dry weather required per Provision D.2.a.(2)(a) and Provision D.2.b.(1) is both excessive and disproportionate. This will particularly impact smaller jurisdictions, which may be required to do more visual inspections of MS4 outfalls than would larger jurisdictions with more outfalls and more resources.
 - Similarly, as written, the Persistent Flow Outfall Monitoring requirements of Provision D.2.b.(2)(b) are excessive and also will disproportionately impact smaller jurisdictions.

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Jurisdictions with several hundred outfalls will likely have significantly more resources to perform the required monitoring than smaller jurisdictions with fewer outfalls, yet both are required to implement the same level of persistent flow monitoring.

- Assessment Requirements
 - The assessment requirements require modeled extrapolation of monitored outfall data to non-monitored outfalls for the purposes of calculating loads from each outfall in each jurisdiction. Such extrapolations through modeling or other calculations will not accurately reflect actual jurisdictional loads, and have no benefit that directly analyzing the monitored data cannot more accurately provide.

3.5.2 Other Global Issues

- As currently drafted, MS4s operated by a flood control district within a city or county would be effectively double-counted for identification of outfalls in each jurisdiction and for performance of the load calculations from each jurisdiction. Additionally, Flood Control Districts have no land use or enforcement authorities outside of the MS4 and rely on the local Copermittee to address pollutant sources and discharges to their MS4. Redline edits have been included to clarify the relationship between districts and the municipal jurisdictions they serve for the purposes of outfall monitoring and the assessment requirements.
- Timelines for monitoring and assessments were clarified throughout and linked to specific reporting requirements of Provision F in the Redline.

3.5.3 Comments in support of specific changes

D.1.a.(3) and D.1.e.

The Redline clarifies that the Receiving Water monitoring described in these sections must be conducted as applicable to the WMA and the Copermittees' MS4 discharges, because some of the monitoring requirements only apply to MS4 discharges to certain waterbodies. Not all Copermittees within a WMA will have discharges to that waterbody.

D.1.b.

The Redline proposes language to allow for alternative long-term monitoring stations to be identified. Using the SMR as an example, the Copermittees might wish to utilize a location other than the existing stations due to the influence of groundwater during dry weather and/or the general lack of MS4 contributions in dry weather to those locations.

Table D-1 and D-6

The Redline proposes an addition to the list of field observations, an assessment for flow connectivity of any MS4 discharges to the sampled Receiving Water. It is important to know whether the sampled Receiving Water included a contribution of flows from MS4 discharges, or whether the data reflect conditions in the absence of an apparent MS4 discharge contribution.

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D.2.a.(2)

The Redline clarifies that the identification of annual outfall monitoring requirements is based on municipal Copermittee boundaries, inclusive of Flood Control District MS4 outfalls within their jurisdiction.

The Redline clarifies that the field screening requirements apply to those outfalls in the Copermittee's inventory that are 'accessible'. If an outfall is inaccessible for safety reasons or due to habitat restrictions, it would not need to be field screened.

The Redline simplifies the 'tiers' in Provision D.2.a.(2)(a) by removing the lower tier (i), and expanding the second tier (ii) to cover all Copermittees with 500 or less outfalls. This resolves the disproportionality that occurs for Copermittees with a number of outfalls near the current 125 outfall threshold. For example, as currently drafted, a city with 150 outfalls would be required to do 150 visual inspections per year, but a smaller city with 120 outfalls would be required to do 192 visual inspections per year. The Redline also maintains the 80% requirement from the first tier to help smaller Copermittees manage their workload for meeting the field screening requirements while also conducting the additional source identifications that are required under the Draft Permit.

The Redline includes edits to Footnote 19 to clarify that persistent flow should effectively be a discharge that is hydraulically connected to a flowing Receiving Water. Any other discharges that are not affecting a flowing Receiving Water (such as pooled or ponded water) would be addressed as a Transient Discharge, with source IDs any time an obvious illegal discharge (i.e. color or odor) is identified.

D.2.a.(3)

The Redline incorporates edits proposed by the San Diego County Copermittees to require 10% of the samples in each WMA to be from a first storm event. As described in the comments of the San Diego County Copermittees, this will help avoid overly skewing of the data to 'first flush' data, while still incorporating such data into the data and analyses.

D.2.b.(1)

The Redline removes the requirement that the number of visual inspections performed be equivalent to the number of inspections required under Provision D.2.a.(2)(a).

As areas within a jurisdiction are confirmed not to have non-stormwater discharges, inspections of other outfalls would have to be perpetually (and unnecessarily) increased to maintain compliance with this requirement. For example, if a Copermittee had 150 outfalls, but after the transitional period it confirmed that 100 of those outfalls had no evidence of non-stormwater discharges to flowing Receiving Waters, it would have to visit the remaining 50 outfalls for up to three times a year to meet the requirement in this Provision. As the Copermittee got closer to eliminating non-stormwater flows at more outfalls, inspections at the remaining outfalls would quickly become excessive and unreasonable. Removing this requirement will better incentivize the elimination of non-stormwater

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flows, as a Copermittee can look forward to reducing its workload in areas confirmed to not have non-stormwater flows.

D.2.b.(2)(b)

While the Riverside County Copermittees support the San Diego County Copermittees' proposal to reduce the number of required outfalls from 10 to 5 persistently flowing outfalls per WMA, the Riverside County Copermittees believe that applying the same minimum bar to all Copermittees is inappropriate and disproportionately affects smaller Copermittees that have commensurately less staff and resources.

The Riverside County Copermittees propose requiring monitoring of the top 10% of the prioritized persistent flow outfalls, with a lower and upper limit of 1 and 5 respectively, as shown in the redlines. With this change, the level of effort required of any individual Copermittee would scale consistent with the number of persistent flow outfalls within each Copermittees' jurisdiction.

Additionally, the Riverside County Copermittees request changing the requirement of Provision D.2.b.(2)(b)(ii) to require annual monitoring rather than semi-annual monitoring. With this change, a Copermittee could focus more of their annual budget on conduction Source ID efforts – which can result in eliminating problematic non-stormwater flows, rather than on a second monitoring event. Copermittees would still have the option to conduct a second monitoring event if they have more resources available and want to remove the outfall from their monitoring list sooner in accordance with Sub-Provisions [a] through [d].

D.2.b.(2)(e)

The Riverside County Copermittees support the San Diego County Copermittees' comments regarding allowing for a tailored list of constituents to be developed for each WMA. The Redline incorporates those edits.

D.3.

The Riverside County Copermittees support the changes recommended by the San Diego County Copermittees to this section, and these changes are reflected in the Redline.

D.4.a.(2)

This Provision as drafted would require the MS4 Copermittees to make comprehensive evaluations of Beneficial Uses that are beyond their expertise or the scope of an MS4 permit. Such evaluations and determinations would require advanced studies and cannot be answered with the monitoring data collected through this permit. This Provision should either be deleted or, alternatively the Riverside County Copermittees request that the assessments be focused on determining the status and progress toward addressing any Numeric Goals established for those Receiving Waters in the WQIP. Please see the Redline.

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D.4.b.(1)

The Redline clarifies that outfall assessments are to be done for the area covered by each Municipal Copermittee (consistent with the proposed definition), and that the data to be used by each Municipal Copermittee would include the data collected from any Flood Control District Copermittee operated MS4s within its jurisdiction. This ensures that jurisdictional data is not double reported for Flood Control District MS4s within a city or county.

For Sub-Provision D.4.b.(1)(c)(iv) three key changes are requested in the Redline:

- 1) Annual volumes and pollutant loads should only be calculated from the monitored outfalls with persistent discharge to a flowing Receiving Water. This is directly applicable to the purpose of the Draft Permit and an important change, because volume and pollutant data extrapolated to non-monitored MS4 outfalls would be inaccurate and potentially misused if taken out of context. It is understood that San Diego Water Board staff want to ensure that jurisdictional accountability is maintained. However, since MS4 outfall monitoring will be conducted within each jurisdiction, inter-jurisdiction comparisons and accountability can be accomplished using the monitoring data directly without such extrapolations.
- 2) Added language to require a Copermittee to include in its jurisdictional load calculations any discharge that was demonstrated to have entered another Copermittees' MS4 before being discharged into the flowing Receiving Waters. This is important to ensure that each Copermittee maintains accountability for pollutants discharged to flowing Receiving Waters from within its jurisdiction.
- 3) The Redline proposes that the calculations of pollutant loads be only for the priority water quality constituents identified in the WQIP.

D.4.b.(2)(b)

Two key changes are recommended in the Redline:

- 1) Annual volumes and pollutant loads should only be calculated from the monitored outfalls for the monitored storm events. This is an important change because volume and pollutant data extrapolated to non-monitored events would be inaccurate and potentially misused if taken out of context. It is understood that San Diego Water Board staff want to ensure that jurisdictional accountability is maintained, so the Redline proposes that data from the monitored outfalls be extrapolated to identify loads for each jurisdiction during each monitored event. With this information, inter-jurisdiction comparisons and the desired 'accountability' can be accomplished using the monitoring data directly without such extrapolations to non-monitored events.
- 2) The Redline requests that calculations of pollutant loads be performed only for the priority water quality constituents identified in the WQIP.

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D.4.b.(2)(c)

The Redline edits are consistent with those proposed by the San Diego County Copermittees, with minor modifications for clarity.

D.4.d.(2)(c)

It would be difficult to proactively determine the pollutant load reductions that *would* be necessary to demonstrate that discharges *are not* causing or contributing to exceedances of Receiving Water Limitations. Instead it would make more sense to calculate the necessary pollutant load reductions where the discharge has been demonstrated to be causing or contributing to such exceedances. In such circumstances, the necessary parameters would be known to calculate the needed load reduction. These changes are set forth in the Redline.

3.6 Provision E.1, Legal Authority

3.6.1 Overview of Key Issues

The Riverside County Copermittees note that Provision E.1, relating to the establishment of adequately legal authority, exceeds the requirements of federal CWA regulations in several respects. The federal regulations at 40 CFR 122.26(d)(2)(i)(A)-(F), provide explicit guidance for the Copermittees in developing the necessary legal authority to control MS4 discharges within its jurisdiction. However, several of the subsections of Provision E.1 go beyond these federal requirements, with respect to areas not within the responsibility of MS4 dischargers, such as negotiating with non-Copermittee entities. The Riverside County Copermittees have provided requested changes in the Redline, which are explained briefly below.

3.6.2 Comments in support of specific changes

E.1.a(1)

Changes in the Redline to accurately reflect the language of 40 CFR 122.26(d)(2)(i)(B).

E.1.a(2)

Changes in the Redline to accurately reflect the language of 40 CFR 122.26(d)(2)(i)(A). In addition, the Provision as written improperly requires the Copermittees to control the quality of runoff from sites covered by the state general permits for industrial activity and construction. These general permits are enforced by the State Board and the regional boards, and it is a state responsibility which cannot be handed off to the Municipal Copermittees.

E.1.a(3)

Changes in the Redline to accurately reflect the language of 40 CFR 122.26(d)(2)(i)(C).

E.1.a(5)

The Redline requests deletion of this Provision, which is not a requirement for municipal stormwater dischargers set forth in the CWA regulations. The Provision also improperly requests the Municipal Copermittees to attempt to negotiate with third parties the contribution of pollutants to the Copermittees' MS4. The Copermittees have no jurisdiction over such parties. The San Diego Water

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Board has such jurisdiction, and should take responsibility for addressing non-MS4 sources of pollutants that may ultimately enter the MS4.

E.1.a(6)

Changes in the Redline to reflect accurately the language of 40 CFR 122.26(d)(2)(i)(E).

E.1.a(7)

The Redline requests deletion of this Provision, which is not a requirement for municipal stormwater dischargers set forth in the CWA regulations.

E.1.a(8)

The Redline requests deletion of this Provision, which is not a requirement for municipal stormwater dischargers set forth in the CWA regulations.

E.1.a(9)

The Redline requests deletion of this Provision, which is not a requirement for municipal stormwater dischargers set forth in the CWA regulations.

E.1.a(10)

The Redline requests both correction of the language in this Provision to comport with the federal regulations in 40 CFR 122.26(d)(2)(i)(F) and deletion of the second clause of this Provision, which is not found in 40 CFR 122.26(d)(2)(i)(F). Moreover, the requirement to inspect and monitor in the first clause of this Provision covers the issues set forth in the second clause. It is therefore unnecessary.

3.7 Provision E.2, IDDE

3.7.1 Overview of Key Issues

- The Draft Permit requires the Copermittees to address all non-stormwater discharges from the MS4 as illegal discharges, and then describes certain sources that need not be prohibited. This is effectively a 'guilty until proven innocent' provision, where a Copermittee will be required to expend potentially significant resources conducting source identification efforts any time non-stormwater is observed discharging from the MS4. In addition to the issues discussed in the Legal Comments, the Provision raises two practical and logistical problems:
 - This requirement is entirely independent of the determination that there are in fact any significant pollutants in such a discharge. A Copermittee could be spending substantial sums tracking (and then potentially enforcing upon) the source of a discharge that is not negatively impacting Receiving Waters. This not only is a waste of public resources, but would undermine the credibility of stormwater programs.
 - The San Diego Water Board and the State Water Board do not treat non-stormwater flows in the same manner across all of their regulatory mechanisms. For example, Order

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No. R9-2008-0002 allows non-stormwater discharges to occur, POTWs are issued permits for their discharges and agricultural operators can discharge irrigation water. The Copermittees should not be forced to conduct an expensive source investigation, only to find that the discharge complies with a permit or a waiver granted by the Water Board. The Copermittee would have no ability to address such a discharge as an 'illegal discharge', and further would have no ability to recuperate their costs for the source identification.

The best way to address these issues, is to require the Copermittee to have and enforce an effective prohibition of illegal discharges of pollutants (through statutes, ordinances, permits, contracts, orders or similar means), and then allow the Copermittee full discretion to determine which non-stormwater discharges have the potential to negatively impact Receiving Waters, consistent with the WQIP priorities – and address those as illegal discharges.

- Several categories of non-stormwater discharge that were previously conditionally exempt consistent with the CWA, are required by the Draft Permit to be treated as illegal discharges, unless they have coverage under another order issued by the San Diego Water Board. In addition to the problems identified above for conducting enforcement in the absence of a pollutant discharge, the San Diego Water Board, not the Copermittees, is responsible for evaluating coverage, need for coverage, and compliance with other orders issued by the Water Board. The Copermittees have neither authority nor jurisdiction. Please see the Redline.
- Several categories of non-stormwater discharge that were previously conditionally exempt consistent with the CWA, are required by the draft permit to be 'controlled' or otherwise prohibited by the Copermittees. The Fact Sheet further describes that such controls are warranted because they could potentially contain pollutants. However, the CWA only requires controls where the discharges are determined to be a significant source of pollutants. Please see Legal Comments for a further discussion of this issue as well as the Redline.
- The Draft Permit eliminates the conditional exemptions for Landscape Irrigation, Irrigation Water, and Lawn Watering (collectively 'irrigation runoff'). The San Diego Water Board has provided no data demonstrating that these discharge categories have contributed a significant pollutant load to Receiving Waters within Riverside County. Information discussed in the Fact Sheet focuses on data from other counties. The only data from Riverside County is public educational material referring to irrigation runoff; this material, however, was adapted from public education material from other counties. That public educational material was intended to help prevent such discharges from becoming a significant source of impact on the Receiving Waters, and did not constitute a determination that such discharges are in fact, actually a significant source that needs to be subject to a prohibition. See the discussion in the Legal Comments as well as the Redline.
- The Draft Permit, in Provision E.2.a.(7) requires efforts to minimize or eliminate all non-stormwater flows, including those that are natural, conditionally exempt, or otherwise permitted by the San Diego Water Board, regardless of whether or not such discharges are not contributing pollutants to the MS4. Such a requirement conflicts with the prior Provisions E.2.a.(1) through

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(5), which state conditions where such discharges need not be prohibited. The requirement should therefore be removed, as set forth in the Redline.

3.7.2 Comments in support of specific changes

E.2.a.(1) and (3)

The Riverside County Copermittees request that this Provision be deleted (as shown in the Redline) and the categories of non-stormwater discharges be re-incorporated into Provision E.2.a.(3). The apparent premise of Provision E.2.a.(1) as drafted is that since the San Diego Water Board requires those discharges to have coverage under a separate order, they are illegal if they lack such coverage. The MS4 Copermittees, however, are not responsible for enforcing discharge coverage under separate San Diego Water Board orders; that is the responsibility of the San Diego Water Board itself. Requiring the Copermittees to enforce such entities for their lack of coverage under a separate San Diego Order shifts that responsibility from the Board to Copermittees. This is not authorized by the CWA or the Porter-Cologne Water Quality Act. The Copermittees are, under the CWA, only required to address such discharges as illegal discharges if the discharge is found to be contributing a significant pollutant load to the MS4. By moving those categories to Provision E.2.a.(3), as shown in the Redline, the Copermittees will still be required to treat such discharges as illegal discharges if and when they are found to be contributing significant pollutants to the MS4. This proposed approach is consistent with other MS4 permits in the state, including prior San Diego Water Board orders, and is further consistent with the approach taken for the WQIP, which is intended to allow the Copermittees to focus resources on addressing the specific impacts that MS4 discharges are having on Receiving Water quality.

E.2.a.(2)

This Provision requires the Copermittees to treat water line breaks as illegal discharges, which in turn requires the Copermittee to conduct enforcement measures. Water main breaks are accidental occurrences, or may be the result of acts of nature. It is no more appropriate to treat accidents as illegal and subject to enforcement than it would be for a city to declare vehicular accidents as illegal, and conduct enforcement against those involved. This language needs to be removed as shown in the Redline. Additionally, as discussed in the Legal Comments, a recent case from the federal district court in Virginia suggests that the regulation of mere flow may exceed the authority of the CWA.

E.2.a.(4)

The Redline clarifies that if the 'statutes, ordinances, permits, contracts, orders or similar means' are enacted/adopted by a Copermittee, the categories of non-stormwater discharges listed do not need to be treated as illegal discharges. Otherwise, the language could be read to imply that, for example, if it was infeasible for a particular resident to direct wash water to landscaped areas, that the Copermittee would be required to treat that residents' discharge as illegal and enforce upon them.

E.2.a.(5)

Contrary to the provisions of the CWA regulations, prior MS4 permits issued by the San Diego Water Board and other permits in the state, the Draft Permit requires implementation of BMPs, where

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feasible, during emergency firefighting activities. During such emergencies, all focus of public resources must appropriately be dedicated to protecting life and property. Any diversions from that mission would only serve to diminish and potentially compromise that mission. The Redline proposes language consistent with that adopted by the San Diego Water Board in 2010 for the Riverside County MS4 Permit (Order R9-2010-0016).

E.2.a.(7)

Provisions E.2.a.(1) through E.2.a.(6) describe circumstances where non-stormwater discharges need not be prohibited. This Provision then requires the Copermittees to minimize such 'conditionally allowed' flows anyway. This requirement exceeds the scope of the CWA and its implementing regulations and makes no sense. The Redline requests deletion of these Provisions.

E.2.b.(1)(d)

This Provision requires the MS4 Copermittees to map all known private outfalls to Receiving Waters. Such a requirement is beyond the scope of an MS4 permit and should be removed, as shown in the Redline. The Draft Permit does not require a Copermittee to address private outfalls to Receiving Waters; this is the responsibility of the San Diego Water Board, which governs all waste dischargers under the authority of the CWA or the Porter-Cologne Act.

E.2.b.(4)

This Provision requires the Copermittees, in conjunction with a spill, to 'prevent contamination of surface water, groundwater, and soil.' This requirement is clearly beyond the scope of an MS4 permit issued under the CWA (which regulates only discharges of water containing pollutants *from* the MS4 to Receiving Waters) and must be removed, as shown in the Redline. The Draft Permit could more appropriately require the Copermittees to 'coordinate, to the extent possible, with spill response teams to prevent entry of spills into the MS4.'

E.2.d.(2)(e)

The Redline requests edits to clarify that the intent of this Provision is to document and attempt to quantify any obvious sources of non-stormwater illegal discharges in response to the outfall monitoring, and that it is not necessary to conduct a full source identification any time there is evidence of water near an outfall.

New Provisions E.2.d.(3)(e)-(f)

The Redline adds two new provisions to this section to address a gap in potential outcomes from a source identification effort. These Provisions address scenarios where a Copermittee identifies A) the illegal discharge is coming from another upstream Copermittees' MS4, or B) that the discharge has been authorized by the San Diego Water Board, either through an order or waiver of WDRs. In the first scenario, the responsibility to continue the source identification, and conduct enforcement, would be transferred to the upstream Copermittee. In the second scenario, the responsibility for follow-up would fall on the San Diego Water Board, after receiving relevant information from the Copermittee. This Provision also provides for reimbursement to the Copermittee for the cost of the source identification, since the San Diego Water Board required the Copermittee to conduct the investigation,

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while not commensurately prohibiting all non-storm water discharges from all other sources regulated by the Water Boards.

3.8 Provision E.3, Development Planning

3.8.1 *Overview of Key Issues*

- Priority Development Projects - The Tentative Order identifies categories of projects that are to be defined as 'Priority Development Projects' (PDPs), which in turn will be required to comply with specific water quality and Hydromodification mitigation and quantitative requirements. The criteria for PDPs is quite broad and would include the majority of development projects, from small convenience stores and residences, to mega malls and specific plan developments. The Fact Sheet describes that while some smaller project types may not have significant pollutant loads, they may have a hydrologic impact upon Receiving Waters. However, it is important to recognize that pursuant to Provision E.3.a., All projects are required to implement a variety of LID principles such as disconnecting impervious surfaces, draining impervious surfaces to landscaped areas, and minimization of soil compaction in landscaped areas. Since such LID principles will be implemented wherever feasible consistent with the MEP standard, these smaller development projects are unlikely to create a pollutant or hydrologic impact. Additionally, the Fact Sheet advocates incentivizing LID design concepts and green infrastructure and building principles. Accordingly, the Redline requests changes to Provision E.3.b.(3) as described in Provision 3.8.2 below. The Legal Comments further note the potential impact of the Virginia case (*Virginia Dept. of Transp. v. U.S. Environmental Protection Agency*) holding that the CWA does not regulate stormwater as a pollutant.
- Design Capture Volume – There are two problems with how the Draft Permit defines the Design Capture Volume:
 - The Draft Permit changes the 'design capture volume' from previous permits by eliminating the term 'runoff'. Prior permits described that the design capture volume is the volume of stormwater runoff from the 24-hour 85th percentile storm event. This permit changes that to be the volume of stormwater produced from a 24-hour 85th percentile storm event. The elimination of the term 'runoff' means that BMPs would need to be sized potentially much larger than previously. For example, if the 85th percentile storm is 1" and a BMP is designed to treat 1 acre of residential land with a coefficient of runoff of 0.6, then under the current permits the BMP must be sized to hold 2,178 cubic feet of water. However, under the language of the Draft Permit, the BMP treating the same area would be required to hold 3,630 cubic feet of water, a 70% increase in BMP size. Accordingly, the Redline restores the term 'runoff'.
 - Additionally, the Draft Permit defines the Design Capture Volume alternatively as: "*the volume of storm water that would be retained onsite if the site was fully undeveloped and naturally vegetated, as determined using continuous simulation modeling techniques based on site-specific soil conditions and typical native vegetative cover.*" In addition, to the problem identified above regarding the volume of storm water runoff, this language does not provide a temporal standard for determining which volume to

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calculate from a continuous simulation model. Additionally, such models are not commonly used among general practitioners in the civil engineering community. The Redlines propose an alternative and simpler approach for this second definition: "The volume of stormwater runoff produced from a 24-hour 85th percentile storm event, that would be retained onsite in the pre-project condition." This definition is advantageous for several reasons: 1) it is simple for any civil engineer to understand, calculate, and comply with and is based on the same storm and hydrologic calculations as the first option, 2) it respects natural hydrology for the site, which may have had runoff in the pre-project condition, and as such, is more compatible with the intent of LID to mimic natural hydrology, and 3) as a result it is less likely to result in potential degradation of Beneficial Uses downstream, from reductions in flows beyond the pre-project condition.

- Pre-Project vs Pre-Development – Both the Storm Water Pollutant Control BMP requirements and the Hydromodification Management BMP requirements in the Draft Permit specify a 'pre-development' condition as the mitigation standard for all PDPs. In addition to the legal problems with such a standard as set forth in the Legal Comments, there are practical problems with the standard.
 - The presumption made in the discussions in the Fact Sheet are that all Receiving Waters can, and will, be restored to a fully natural condition - effectively to a natural floodplain. This presumption does not address reality, which is that development has occurred in those floodplains over many generations. The San Diego Water Board obviously lacks the authority to force homeowners and businesses to vacate such floodplains to effectuate restored natural conditions. Such an action would represent an unconstitutional taking. Moreover, the Legislature, in the Flood Control Acts covering all three counties proposed to be covered by the Draft Permit, has specifically authorized Flood Control Districts to construct flood control structures required to protect the lives and properties of the citizens.
 - Mitigation to a pre-development condition also may not be necessary to protect Receiving Waters from the effects of Hydromodification. If, for example a Receiving Water with existing development tributary to it, has not experienced increased erosion due to that existing development, there is no reason to require Hydromodification mitigation to anything more than the existing condition. In the counter-example, if under the existing condition the Receiving Water has experienced increased erosion due to that existing development, then, legal issues aside, there would be technical benefit to mitigating to that pre-development condition.

The Redline proposes alternative language that requires mitigation to a pre-development standard only where it is legal and technically justified based on the conditions of the Receiving Water.

- Alternative Compliance – The alternative compliance project options as set forth in the Draft Permit pose two key problems:

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- Several statements are conflicting and thus confusing as to what the required standard is for the various alternative compliance projects. For example, throughout Provision E.3.c. it is stated that 'a PDP may be allowed to comply with Provision E.3.c.(1)(a) and/or Provision E.3.c.(2) if they ...'. This language can be mis-read to imply that the project must comply both with Provisions E.3.c.(1)(a) and E.3.c.(2) *and* implement the alternative compliance project (thus negating the benefit of alternative compliance). The Redline clarifies this language.
- The Biofiltration option set forth in the Draft Permit arbitrarily, and without technical basis or justification, **doubles** the sizing standard for biofiltration BMPs from 0.75 times the design capture volume (as set forth in the 2010 MS4 Permit and the 2009 Orange County Permit) to 1.5 times the design capture volume. The existing 0.75 standard was set due to the fact that 1) the 85th percentile 24-hour storm occurs over a period of time, and 2) such BMPs have outflows and will regain some capacity during the storm event, and as such, do not need to instantaneously hold the entire 'Design Capture Volume' to have fully treated that volume. In fact, studies have shown that in addition to yielding excellent pollutant concentration reductions, LID Biofiltration BMPs are excellent at reducing the volume of runoff similar to retention BMPs. According to the ASCE International BMP database 60% or more of the long-term volume of runoff from a site can be retained within a Bioretention BMP (Bioretention BMPs are the primary 'biofiltration' BMP now allowed in Riverside County). In comparison, a Retention BMP sized to hold the runoff from the 85th percentile storm event (the Design Capture Volume) will end up retaining approximately 80% of the long-term volume of runoff. Thus, by simple proportions, a Bioretention BMP sized to 'hold' 100% of the Design Capture Volume may also be able to retain 80% of the long-term volume of runoff. $\left(\frac{0.75 \times DCV}{60\% \text{ retained}} = \frac{1.0 \times DCV}{80\% \text{ retained}}\right)$. This is being validated through Bioretention BMPs that have been constructed and are being monitored for such volume reductions at the Riverside County Flood Control District's headquarters in Riverside. Further, Biofiltration BMPs have the added benefit of providing better overall treatment of back to back storms. Where a Retention BMP would be full after the first storm, fully bypassing the second storm without treatment, a Biofiltration BMP will have restored some capacity after the first storm, providing for treatment of some or all of the second of the back to back storms. Thus, the attached redlines propose changing the sizing factor for Biofiltration BMPs to 1.0 times the Design Capture Volume. The Redline proposes changes consistent with these comments.

3.8.2 Comments in support of specific changes

Introduction

Provision E.3.g (Strategies to address the highest priority water quality conditions) was moved to the beginning to support and better integrate the development planning programs in the JRMP with the strategies developed in the WQIP.

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E.3.a.(3)

The Redline changes the title of this section (and other appropriate references to this Provision) to refer to LID Principles, as identified in the CASQA LID Manual for Southern California (<https://www.casqa.org/LIDDemo/LowImpactDevelopmentManual/tabid/242/Default.aspx>)

E.3.b.(1)(c) (New Provision)

This Provision was added to clarify the requirements if a project that was already subjected to SSMP requirements redevelops a portion of the site.

E.3.b.(2)

The Redline edits shown for this Provision are primarily to simplify this Provision, by grouping various categories by their applicable square footage threshold and including some of the specifics in the definitions (Attachment C). Other changes (beyond reorganization) include:

- Removing the addition of 'driveways' from subsection (g) as described in Provision 3.8.1 of this letter.
- Adding a footnote for parking lots, to clarify that the trigger would not include parking lots that are not exposed to runoff, such as subterranean or covered parking lots. It is beneficial to not have parking lots exposed to runoff; excluding such parking lots from being defined as a PDP is a good way to encourage such practices.
- Hillside development projects were not included as it is not believed to be necessary anymore with the relatively low threshold (10,000 square feet) identified for other categories included in this and other recent MS4 permits.
- The definition for "Environmentally Sensitive Areas" from existing MS4 permits was restored to include the language referring to discharges that are not commingled with flows from adjacent or other upstream lands (note that the change is shown in the definitions per the re-organization suggested above).

E.3.b.(3)

- The PDP exemption for sidewalks, bicycle lanes, or trails, [E.3.b.(3)(a)] has been expanded to as shown in the Redline to include driveways and parking lots. If those projects implement criteria already described in that section, they are also unlikely to create an impact to Receiving Waters. Further, including those project types in that exemption will further incentivize developers to utilize those LID Principles.
- The exemption described in Provision E.3.b(3)(b), was modified as shown in the Redline, and as discussed in the comment letter submitted by the Riverside County Transportation Department. Please see that letter for a justification for the requested changes.
- As shown in the Redline, the exemptions for new and redeveloped single family residences [E.3.b.(3)(c) and (d)] were consolidated into a new provision [E.3.b.(3)(c)], covering all single family residential projects (both new and redeveloped). The key difference is that such projects would be considered exempt if they are both 1) not part of a larger common plan of development or planned subdivision, and 2) successfully incorporate each of the applicable source control and LID Principles identified in Provision E.2.a.(2)-(3) to the MEP.

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- A new Provision-E.3.b.(3)(d), titled 'Watershed Protection Projects' was added in the Redline. The project types described therein are all projects that are undertaken to rehabilitate or prevent environmental, social, and economic damage within the watershed, including Receiving Waters. These projects, while they may in some cases require some level of impervious surfaces to be constructed, are 1) not designed for human use or activity that would generate pollutants, or are designed specifically to mitigate such pollutants; and 2) will implement each of the applicable source control and LID Principles identified in Provision E.2.a.(2)-(3) to the MEP.

E.3.c.(1)

In addition to the edits discussed in Provision 3.8.1 of this letter, the Redline removed subprovision E.3.c.(1)(c) , for two reasons:

- The requirements that must be met to when implementing an alternative compliance project are more fully described in Provision E.3.c.(3).
- The language, as drafted, appeared to require double-mitigation. It requires that: 1) conventional treatment is required to treat the entire volume not retained onsite, and 2) the pollutant load discharged must also be mitigated with an alternative compliance project. Such a scenario would be requiring double-mitigation. The Redline provides a clearer and more simple mitigation standard.

E.3.c.(2)

The Riverside County Copermittees have two concerns with this Provision:

- The first concern is the universal requirement to mitigate to the 'pre-development' standard, as discussed above in section 3.8.1 of this letter. The Copermittees in the Redline propose that this language be changed to the 'pre-project' condition. For new development projects, the 'pre-project' condition will be equivalent to the 'pre-development' condition. For redevelopment projects, the standard would be the conditions that exist onsite prior to the construction of the project. This is appropriate, because in many areas, particularly in areas of existing development that would be subject to 'redevelopment', Receiving Waters are engineered and maintained to 1) provide flood protection for the public, 2) ensure that floodwaters don't comingle with pollutants on adjacent private properties and 3) to ensure that the existing development draining to that system does not cause erosion. In cases where the Receiving Waters are not engineered and maintained, and erosion problems caused by existing development are observed, language has been added to the Redline to provide for additional standards to be developed in the WQIP, based on the WQIP priorities.
- Additionally, the Redline proposes an additional exemption from HMP requirements for projects that discharge into conveyance channels that are engineered and maintained for the build-out condition all the way from the project to a waterbody that is sufficiently resistant to Hydromodification. This language is consistent with the above discussions, and ensures the PDPs are not required to mitigate for non-existent impacts. Please see the specific language in the Redline. The engineered channel exemption can be found in other recent MS4 permits, including the recently adopted Los Angeles County MS4 Permit.

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E.3.c.(3)(a) and (b)

These two Provisions were re-written in the Redline to be simpler and clearer on what BMPs, criteria, sizing standards are required for what type of project. This alternative language still meets the intent of the Draft Permit, while being easier to understand and comply with. Aside from simplifying the language, the following other changes were made in the Redline:

- The alternative compliance options must be determined to provide an equal or greater overall water quality benefit for the WMA.
- Additional options were provided for who can design the alternative compliance projects
- All alternative compliance projects are required to be consistent with the strategies in the WQIP. While the specific alternative compliance project would not be required to be identified in the WQIP, the goal of this language is to ensure that allowing the alternative compliance project would not in any way be detrimental to or contrary to the strategies in the WQIP.
- Requirements E.3.c.(3)(a)(iv) and (v) were removed entirely, as they conflict with E.3.c.(3)(a)(iii) which allowed the projects to be in the same WMA (preferably the same HSA)
- Changed the sizing factor for Biofiltration BMPs to 1.0 as discussed in section 3.8.1 of this letter, and deleted the option [d] which required triple mitigation by requiring Biofiltration + Conventional Treatment + Alternative Compliance projects.
- Added Conventional Treatment Control BMPs as an alternative compliance option, only where it has been shown to be technically infeasible to meet E.3.c.(1) and technically infeasible to implement LID Biofiltration Treatment Control BMPs.

E.3.c.(3)(c)

Redline edits in this section are primarily to simplify and consolidate the requirements. Sub-Provision [C] was removed, as it was duplicative of the mitigation standards for the alternative compliance project are specified in E.3.c.(3)(b) and E.3.c.(3)(c)(i)[a].

3.9 Provision E.4, Construction

3.9.1 Overview of Key Issues

This Riverside County Copermittees' comments and edits are set forth in the Redline.

- One key issue for the Copermittees is the edit shown in the Redline to Provision E.4.c, which clarifies that the Copermittees are responsible for *requiring* BMPs at private construction sites, and *implementing* BMPs at Copermittee construction sites.

3.9.2 Comments in support of specific changes

The Redline edits include comments supporting the requested edits.

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3.10 Provision E.5., Existing Development

3.10.1 Overview of Key Issues

The Draft Permit includes requirements for advanced programs to identify opportunities and implement programs to facilitate the construction of Retrofit and Stream/Channel/Habitat Rehabilitation projects on private properties. Such requirements are clearly beyond the requirements of the CWA for a management plan to be implemented by an MS4 Copermittee. The Riverside County Copermittees request deletion of these requirements.

Alternatively, the Riverside County Copermittees have the following comments:

While these retrofitting and rehabilitation approaches can be helpful and/or needed in some circumstances, they are not required in all circumstances, nor are required to address all pollutants that may be identified in a WQIP as the highest priority water quality conditions. For example, some pollutants are best addressed with regulatory source controls at the state or federal level, such as the removal of copper from brake pads, and controls on pesticides, while other pollutants can be adequately addressed through inspections and enforcement. There are several problems with requiring Copermittee resources to be invested in such Retrofit and/or Rehabilitation strategies (collectively referred to as 'retrofit'):

- **Land Ownership:** The land that could potentially be identified for retrofit would likely not be owned by a Copermittee. The Copermittee therefore has no ability to force the property owner to retrofit their property. Although the Copermittee could potentially implement programs to "facilitate" implementation, such a program would still be limited by the rights of the individual property owner. Even if a Copermittee were to attempt to purchase a privately owned existing development for the purposes of retrofit (a step going far beyond any requirements in the CWA or the Porter-Cologne Act), such a process can take many years, and if the owner is unwilling to sell, the retrofit project could never be realized. In any scenario, the process to facilitate such "retrofits" is extremely costly and lengthy, with no guarantee of a benefit to water quality. Retrofits should only be undertaken where the Copermittee identifies it as a necessary step to addressing the MS4 contributions to Receiving Water problems to the MEP. Otherwise, it forces the Copermittee to utilize resources very ineffectively, which is contrary to the goals of the WQIP and may actually be detrimental to water quality.
- **Permitting:** Aside from the limitations discussed above, stream/channel/habitat restorations have the additional complexities of requiring other regulatory permits that are not the discretion of the San Diego Water Board nor the Copermittees to issue. Such projects can take many decades to implement, and thus, are not expected to be highly effective at addressing the goals of the WQIP, except in rare circumstances.

Redline edits have been provided to clarify that these strategies and programs should only be used when, and to the extent directed by the strategies developed in the WQIP.

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3.10.2 Comments in support of specific changes

E.5.b.(1)(b) and (d)

BMP implementation requirements of Provision E.5.b.(1)(b) and (d) have been clarified in the Redline to require the Copermittee to implement BMPs on their existing development, and require implementation of BMPs on private existing development.

E.5.c.(1)(a)(iv)

The Riverside County Copermittees request deletion of this Provision. The Copermittees should be provided the flexibility to schedule inspections as they see fit, provided that the schedules they establish pursuant to E.5.c.(1)(a), and the minimum frequency in E.5.c.(1)(a)(i) are met. Requiring 20% every year will be difficult to track as businesses may be opened or closed throughout the year and throughout the permit term.

Additionally, the Riverside Copermittees understand that other Copermittees may be recommending that E.5.c.(1)(a)(i) be changed to 'once per permit term'. The Riverside Copermittees believe that the current language of 'once every five years' is more appropriate for two reasons: 1) not all Copermittees (i.e. OC and Riverside) will be enrolled into the permit at the beginning of the 'permit term', and 2) not all businesses will be in existence at the beginning of the permit term. Accordingly it is more appropriate to simply require the minimum to be once every five years, that way a program manager can simply look at the last time a facility was inspected, and use that date to schedule the next inspection.

3.11 Provision E.6, Enforcement Response Plans

3.11.1 Overview of Key Issues

The Riverside County Copermittees' edits and comments are shown in the Redline and discussed below.

3.11.2 Comments in support of specific changes

E.6.d.

The terminology in this Provision was changed in the Redline from 'escalated' enforcement to 'progressive' enforcement. The proposed language better reflects the nature of enforcement actions, which are not simply 'escalated' or 'not escalated', as implied by Provision E.6.d.(2), but are progressive as needed in response to the severity of the violation. Since every violation comes with a unique set of circumstances, it is not reasonable to presume that a single set of 'triggers' will universally result in the same level of enforcement.

3.12 Provision E.7, Public Education

3.12.1 Overview of Key Issues

The Riverside County Copermittees' edits and comments are shown in the Redline.

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3.13 Provision, E.8 Fiscal Analysis

3.13.1 Overview of Key Issues

The requirement that the Copermittees "must secure all the resources necessary to comply with this Order" exceeds the requirements of the CWA and illegally intrudes on the home rule authority of municipalities to govern themselves. This must be deleted. Please also see Legal Comments.

With regard to other provisions, the Riverside County Copermittees' edits and comments are shown in the Redline.

3.14 Provision F

3.14.1 Overview of Key Issues

- F.1 – WQIP Submittal
 - Based on the schedule for the initial submittal of the Priority Water Quality Conditions and Numeric Goals, and the subsequent 60-day public review, only one month would be left for the Copermittees to finalize strategies based on those conditions and goals and the public input received. This is an insufficient amount of time. The Redline requests modifications to the schedule that would provide for the submittal of the final WQIP within 24 months (instead of 18), to provide additional time for the development of strategies.
- F.1 and F.2.
 - The schedules for submittals should be linked to the receipt of comments on prior submittals, or the approval of prior submittals, rather than the permit adoption date. If it is tied to the permit adoption date, the submittal dates could become out of sync with the comment periods or San Diego Water Board approvals if any unexpected delays occur (for example if the San Diego Water Board is delayed in approving a document, or posting a document online for public comment). The Redline requests appropriate modifications.
 - Implementation dates for the plans are unclear / undefined. The Redline clarifies this issue.
- F.3. Progress Reports
 - The reporting requirements across the transitional period were unclear. Redlines are provided to clarify and consolidate.
 - The Regional Monitoring and Assessment Report language was revised to be consistent with the requirements of the Integrated Assessment of the Water Quality Improvement Plan, rather than an additional, slightly different report, due at the same time.

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3.15 Attachments B and C

Comments and edits to Attachments B and C are shown in the Redline.

Very truly yours,



for

JASON E. UHLEY

Chief of Watershed Protection Division

CP:cw
P8/

Riverside Copermittee Redlines

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION**

TENTATIVE
ORDER NO. R9-2013-0001
NPDES NO. CAS0109266

**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT
AND WASTE DISCHARGE REQUIREMENTS FOR
DISCHARGES FROM THE MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4s)
DRAINING THE WATERSHEDS WITHIN THE SAN DIEGO REGION**

The San Diego County Copermittees in [Table 1a](#) are subject to waste discharge requirements set forth in this Order.

Table 1a. San Diego County Copermittees

<u>Municipal Copermittees</u>	
City of Carlsbad	City of Oceanside
City of Chula Vista	City of Poway
City of Coronado	City of San Diego
City of Del Mar	City of San Marcos
City of El Cajon	City of Santee
City of Encinitas	City of Solana Beach
City of Escondido	City of Vista
City of Imperial Beach	County of San Diego
City of La Mesa	San Diego County Regional Airport Authority
City of Lemon Grove	San Diego Unified Port District
City of National City	

After the San Diego Water Board receives and considers the Orange County Copermittees' Report of Waste Discharge and makes any necessary changes to the Order, the Orange County Copermittees in [Table 1b](#) will become subject to waste discharge requirements set forth in this Order after expiration of Order No. R9-2009-0002, NPDES No. CAS0108740 on or after December 16, 2014.

Table 1b. Orange County Copermittees

<u>Municipal Copermittees</u>	
City of Aliso Viejo	City of Rancho Santa Margarita
City of Dana Point	City of San Clemente
City of Laguna Beach	City of San Juan Capistrano
City of Laguna Hills	City of Laguna Woods
City of Laguna Niguel	County of Orange
City of Lake Forest	Orange County Flood Control District

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City of Mission Viejo	
Special District Copermittee	
Orange County Flood Control District	

After the San Diego Water Board receives and considers the Riverside County Copermittees' Report of Waste Discharge and makes any necessary changes to this Order, the Riverside County Copermittees in [Table 1c](#) will become subject to waste discharge requirements set forth in this Order after expiration of Order No. R9-2010-0016, NPDES No. CAS0108766 on or after November 10, 2015.

Table 1c. Riverside County Copermittees

Municipal Copermittee	
City of Murrieta	County of Riverside
City of Temecula	Riverside County Flood Control and
City of Wildomar	Water Conservation District
Special District Copermittee	
Riverside County Flood Control and Water Conservation District	

The Orange County Copermittees and Riverside County Copermittees may become subject to the requirements of this Order at a date earlier than the expiration date of their current Orders subject to the conditions described in Provision [F.6](#) of this Order if the Copermittees in the respective county receive a notification of coverage from the San Diego Water Board.

The term Copermittee in this Order refers to any San Diego County, Orange County, or Riverside County Copermittee covered under this Order, unless specified otherwise.

This Order provides permit coverage for the Copermittee discharges described in [Table 2](#).

Table 2. Discharge Locations and Receiving Waters

Discharge Points	Locations throughout San Diego Region
Discharge Description	Municipal Separate Storm Sewer System (MS4) Discharges
Receiving Waters	Inland Surface Waters, Enclosed Bays and Estuaries, and Coastal Ocean Waters of the San Diego Region

Table 3. Administrative Information

This Order was adopted by the San Diego Water Board on:	Month Day, 2013
This Order will become effective on:	Month Day, 2013
This Order will expire on:	Month Day, 2018
The Copermittees must file a Report of Waste Discharge in accordance with Title 23, California Code of Regulations, as application for issuance of new waste discharge requirements no later than 180 days in advance of the Order expiration date.	

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I, David W. Gibson, Executive Officer, do hereby certify that this Order with all attachments is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Diego Region, on Month Day, 2013.

TENTATIVE

David W. Gibson
Executive Officer

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I. FINDINGS

Comment [A1]: See discussions in section 3.1 of the comment letter

The California Regional Water Quality Control Board, San Diego Region (San Diego Water Board), finds that:

JURISDICTION

- 1. MS4 Ownership or Operation.** Each of the Copermittees owns or operates an MS4, through which it discharges storm water and non-storm water into waters of the U.S. within the San Diego Region. These MS4s fall into one or more of the following categories: (1) a medium or large MS4 that services a population of greater than 100,000 or 250,000 respectively; or (2) a small MS4 that is "interrelated" to a medium or large MS4; or (3) an MS4 which contributes to a violation of a water quality standard; or (4) an MS4 which is a significant contributor of pollutants to waters of the U.S.

Many geographical areas subject to this Order are subject to the threat of periodic catastrophic flooding resulting from natural conditions, specifically the presence of mountains and hilly areas in close proximity to urban development and the effect of period strong Pacific Ocean storms. Such flooding would occur in the absence of development. The Legislature recognized the importance of this issue when it established flood control districts across the state, including in Orange, Riverside and San Diego Counties. Such flooding has in the past, and if not controlled, could in the future result in loss of life and property damage. Such flooding can also mobilize significant Pollutants from industrial, commercial, residential and agricultural lands, damaging watercourses and the beneficial uses thereof, including habitat. MS4s are designed and constructed to mitigate such impacts.

2. Riverside County Flood Control and Water Conservation District.

Comment [A2]: See discussion in section 3.1.1 of the comment letter.

In 1945, the California Legislature enacted the Riverside County Flood Control and Water Conservation District Act, establishing the Riverside County Flood Control and Water Conservation District (District). The objects and purposes of the Act are to provide for the control and conservation of flood and storm waters and for the protection of watercourses, watersheds, public highways, life and property within the District from damage or destruction from flood waters. Among its other powers, the District also has the power to conserve, reclaim and save such waters for beneficial use. However the Act does not provide the District with the power to control the volume or quality of discharges that runs off of private property, which may end up in the District's flood control system. The District is governed by the District's Board of Supervisors as a separate legal entity from the County of Riverside.

Many of the flood management systems that the District operates are defined by the Clean Water Act as an MS4, and include many of the larger MS4s within the Santa Margarita watershed region of Riverside County (SMR). District does not however

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own or operate streets, catch basins or storm drains smaller than 36 inches that collect runoff from the incorporated and unincorporated jurisdictions within the SMR, and commonly connect into the District's flood management system. Such systems are typically owned and operated by either the County of Riverside or the incorporated Cities within the SMR.

The waters and pollutants that may enter the regional receiving waters and/or the District's flood management systems come from various sources. These sources can include storm water and non-storm water from the Municipal Copermitttees under this permit as well as from other NPDES and non-NPDES permittees, including industrial waste water dischargers, waste water treatment facilities, industrial and construction stormwater dischargers, water suppliers, tribal lands, other state and federal government entities, and Caltrans. Sources can also include discharges from Phase II entities such as school districts and discharges from entities that have been granted waste discharge requirements or waivers of waste discharge requirements, including agricultural operations.

The District does not own or operate any municipal sanitary sewer systems, public streets, roads, or highways. The District has no planning, zoning, development permitting or other land use authority, thus, it has no permitting or governing authority over industrial or commercial facilities, residents, new developments or re-development projects, and development construction sites located in any incorporated or unincorporated areas within its service area, including the SMR. The Copermitttees that have such authority are responsible for implementing a storm water management program to address pollutants discharged from such industrial and commercial facilities, residential areas, new development and re-development projects, and development construction sites within their jurisdictional boundaries. Nonetheless, as an owner and operator of an MS4, the District is required to control pollutant discharges into and from its MS4, such as through interagency agreements among Copermitttees and other owners of a MS4, the contribution of pollutants from one portion of the MS4 to another portion of the MS4 within their jurisdiction.

- 2. Legal and Regulatory Authority.** This Order is issued pursuant to section 402 of the federal Clean Water Act (CWA) and implementing regulations (Code of Federal Regulations [CFR] Title 40, Part 122 [40 CFR 122]) adopted by the United States Environmental Protection Agency (USEPA), and chapter 5.5, division 7 of the California Water Code (CWC) (commencing with section 13370). This Order serves as an NPDES permit for discharges from MS4s to surface waters. This Order also serves as waste discharge requirements (WDRs) pursuant to article 4, chapter 4, division 7 of the CWC (commencing with section 13260).

The San Diego Water Board has the legal authority to issue a regional MS4 permit pursuant to its authority under CWA section 402(p)(3)(B) and 40 CFR 122.26(a)(1)(v). The USEPA also made it clear that the permitting authority, in this case the San Diego Water Board, has the flexibility to establish system- or region-wide permits (55 Federal Register [FR] 47990, 48039-48042). The regional nature of this Order will ensure consistency of regulation within watersheds and is expected

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to result in overall cost savings for the Copermitttees and San Diego Water Board.

The federal regulations make it clear that the Copermitttees need only comply with permit conditions relating to discharges from the MS4s for which they are operators (40 CFR 122.26(a)(3)(vi)). This Order does not require the Copermitttees to manage storm water outside of their jurisdictional boundaries, but rather to work collectively to improve storm water management within watersheds.

3. **CWA NPDES Permit Conditions.** Pursuant to CWA section 402(p)(3)(B), NPDES permits for storm water discharges from MS4s must include requirements to effectively prohibit non-storm water discharges into MS4s, and require controls to reduce the discharge of pollutants ~~from the MS4s in storm water~~ to the maximum extent practicable (MEP), and to require other provisions as the San Diego Water Board determines are appropriate to control such pollutants. This Order prescribes conditions to assure compliance with the CWA requirements for owners and operators of MS4s to effectively prohibit non-storm water discharges in to the MS4s, and require controls to reduce the discharge of pollutants ~~in storm water~~ from the MS4s to the MEP.

Comment [A3]: See discussion in section 3.1.2 of the comment letter.

4. **CWA and CWC Monitoring Requirements.** CWA section 308(a) and 40 CFR 122.41(h),(j)-(l) and 122.48 require that NPDES permits must specify monitoring and reporting requirements. Federal regulations applicable to large and medium MS4s also specify additional monitoring and reporting requirements in 40 CFR 122.26(d)(1)(iv)(D), 122.26(d)(1)(v)(B), 122.26(d)(2)(i)(F), 122.26(d)(2)(iii)(D), 122.26(d)(2)(iv)(B)(2) and 122.42(c). CWC section 13383 authorizes the San Diego Water Board to establish monitoring, inspection, entry, reporting and recordkeeping requirements. This Order establishes monitoring and reporting requirements to implement federal and State requirements.

5. **Total Maximum Daily Loads.** CWA section 303(d)(1)(A) requires that “[e]ach state shall identify those waters within its boundaries for which the effluent limitations...are not stringent enough to implement any water quality standard applicable to such waters.” The CWA also requires states to establish a priority ranking of impaired water bodies known as Water Quality Limited Segments and to establish Total Maximum Daily Loads (TMDLs) for such waters. This priority list of impaired water bodies is called the Clean Water Act Section 303(d) List of Water Quality Limited Segments, commonly referred to as the 303(d) List. The CWA requires the 303(d) List to be updated every two years.

TMDLs are numerical calculations of the maximum amount of a pollutant that a water body can assimilate and still meet water quality standards. A TMDL is the sum of the allowable loads of a single pollutant from all contributing point sources (waste load allocations or WLAs) and non-point sources (load allocations or LAs), background contribution, plus a margin of safety. Discharges from MS4s are point source discharges. The federal regulations (40 CFR 122.44(d)(1)(vii)(B)) require that NPDES permits to incorporate water quality based effluent limitations (WQBELs) developed to protect a narrative water quality criterion, a numeric water

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quality criterion, or both, consistent with the assumptions and requirements of any available WLA for the discharge. Requirements of this Order implement the TMDLs adopted by the San Diego Water Board and approved by USEPA.

- 6. Non-Storm Water Discharges.** Pursuant to CWA section 402(p)(3)(B)(ii), this Order requires each Copermitttee to effectively prohibit discharges of non-storm water into its MS4. Nevertheless, non-storm water discharges into and from the MS4s continue to be reported to the San Diego Water Board by the Copermitttees and other persons. Monitoring conducted by the Copermitttees, as well as the 303(d) List, have identified dry weather, non-storm water discharges from the MS4s as a source of pollutants causing or contributing to receiving water quality impairments in the San Diego Region. The federal regulations (40 CFR 122.26(d)(2)(iv)(B)(1)) require the Copermitttees to have a program to prevent illicit discharges to the MS4. The federal regulations, however, allow for specific categories of non-storm water discharges or flows to be addressed as illicit discharges only where such discharges are identified as sources of pollutants to waters of the U.S.
- 7. In-Stream Treatment Systems.** Pursuant to federal regulations (40 CFR 131.10(a)), in no case shall a state adopt waste transport or waste assimilation as a designated use for any waters of the U.S. Authorizing the construction of a runoff treatment facility within a water of the U.S., or using the water body itself as a treatment system or for conveyance to a treatment system, would be tantamount to accepting waste assimilation as an appropriate use for that water body. Runoff treatment must occur prior to the discharge of runoff into receiving waters. Treatment control best management practices (BMPs) must not be constructed in waters of the U.S. Construction, operation, and maintenance of a pollution control facility in a water body can negatively impact the physical, chemical, and biological integrity, as well as the beneficial uses, of the water body.

DISCHARGE CHARACTERISTICS AND RUNOFF MANAGEMENT

- 8. Point Source Discharges of Pollutants.** Discharges from the MS4s may contain waste, as defined in the CWC, and pollutants that adversely affect the quality of the waters of the state. A discharge from an MS4 is a “discharge of pollutants from a point source” into waters of the U.S. as defined in the CWA. Storm water and non-storm water discharges from the MS4s may contain pollutants that cause or threaten to cause a violation of surface water quality standards, as outlined in the Water Quality Control Plan for the San Diego Basin (Basin Plan). ~~Storm water and non-storm water discharges from the MS4s are subject to the conditions and requirements established in the Basin Plan for point source discharges.~~
- 9. Potential Beneficial Use Impairment.** The discharge of pollutants and/or increased flows from MS4s may cause or threaten to cause the concentration of pollutants to exceed applicable receiving water quality objectives and impair or threaten to impair designated beneficial uses or which may resulting in a condition of pollution, contamination, or nuisance. In addition, the reduction of flows below the

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existing condition may impact negatively impact beneficial uses.

10. Pollutants Generated by Land Development. Land development has created and continues to create new sources of non-storm water discharges and pollutants in storm water discharges as human population density increases. This brings higher levels of car emissions, car maintenance wastes, municipal sewage, pesticides, household hazardous wastes, pet wastes, and trash. Pollutants from these sources are dumped or washed off the surface by non-storm water or storm water flows into and from the MS4s. When development converts natural vegetated pervious ground cover to impervious surfaces such as paved highways, streets, rooftops, and parking lots, the natural absorption and infiltration abilities of the land are lost. Therefore, runoff leaving a developed area without BMPs that can maintain pre-development conditions will contain greater pollutant loads and have significantly greater runoff volume, velocity, and peak flow rate than pre-development runoff from the same area.

11. Runoff Discharges to Receiving Waters. The MS4s discharge runoff into lakes, drinking water reservoirs, rivers, streams, creeks, bays, estuaries, coastal lagoons, the Pacific Ocean, and tributaries thereto within the eleven hydrologic units comprising the San Diego Region. ~~Historic and current development makes use of natural drainage patterns and features as conveyances for runoff. Rivers, streams and creeks in developed areas used in this manner are part of the Copermittes' MS4s regardless of whether they are natural, anthropogenic, or partially modified features. In these cases, the rivers, streams and creeks in the developed areas of the Copermittes' jurisdictions are both an MS4 and receiving water.~~ Numerous receiving water bodies and water body segments have been designated as impaired by the San Diego Water Board pursuant to CWA section 303(d).

Comment [A4]: See discussion in section 3.1.2 of the comment letter.

Pollutants in Runoff. The most common pollutants in runoff discharged from the MS4s include total suspended solids, sediment, pathogens (e.g., bacteria, viruses, protozoa), heavy metals (e.g., cadmium, copper, lead, and zinc), petroleum products and polynuclear aromatic hydrocarbons, synthetic organics (e.g., pesticides, herbicides, and PCBs), nutrients (e.g., nitrogen and phosphorus), oxygen-demanding substances (e.g., decaying vegetation, animal waste), detergents, and trash. ~~As operators of the MS4s, the Copermittes cannot passively receive and discharge pollutants from third parties. By providing free and open access to an MS4 that conveys discharges to waters of the U.S., the operator essentially accepts responsibility for discharges into the MS4 that it does not effectively prohibit or otherwise control.~~ These discharges may cause or contribute to a condition of pollution or a violation of water quality standards. California law requires downstream landowners, including owners and operators of MS4, to accept upstream flows, even if that flow contains Pollutants. Failure to do can create conditions.

Comment [A5]: See discussion in section 3.1.2 of the comment letter.

Limitation on Powers of Copermittes. This Order regulates the discharge of non-stormwater into and Pollutants from non-agricultural Anthropogenic sources from the MS4s owned and/or operated by the Copermittes. The Copermittes lack legal

Comment [A6]: This finding is based on Findings I.B and I.C in Order R8-2010-33, applicable to portions of Riverside County within the Santa Ana region.

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jurisdiction over discharges into their MS4 from agricultural activities, State and federal facilities, public schools and hospitals, utilities, railroads, special districts, Native American tribal lands, wastewater management agencies and other point and non-point source discharges otherwise permitted by the Water Board. The Water Board recognizes that the Copermitttees should not be held responsible for discharges from such facilities or Pollutants in those discharges. Also, certain activities and sources that generate pollutants present in urban runoff may be beyond the ability of the Copermitttees to prevent or eliminate. Examples of these activities and sources include, but are not limited to: emissions from internal combustion engines, brake pad wear and tear, atmospheric deposition, non-Anthropogenic sources of bacteria (including wildlife and feral cats and dogs), the regulation of pesticides and leaching of naturally occurring nutrients and minerals from local soils. This Order is not intended to address background or naturally occurring Pollutants or flows.

12.

13. Human Health and Aquatic Life Impairment. Pollutants in runoff discharged from the MS4s can threaten and adversely affect human health and aquatic organisms. Adverse responses of organisms to chemicals or physical agents in runoff range from physiological responses such as impaired reproduction or growth anomalies to mortality. Increased volume, velocity, rate, and duration of storm water runoff greatly accelerate the erosion of downstream natural channels. This alters stream channels and habitats and can adversely affect aquatic and terrestrial organisms.

14. Water Quality Effects. The Copermitttees' water quality monitoring data submitted to date documents various persistent exceedances of Basin Plan water quality objectives for runoff-related pollutants at various watershed monitoring stations. Persistent toxicity has also been observed at several watershed monitoring stations. In addition, bioassessment data indicate that the majority of the monitored receiving waters have Poor to Very Poor Index of Biological Integrity (IBI) ratings. ~~These findings indicate that runoff discharges are causing or contributing to water quality impairments, and are a leading cause of such impairments in the San Diego Region. Non-storm water discharges from the MS4s have been shown to contribute significant levels of pollutants and flow in arid, developed Southern California watersheds, and contribute significantly to exceedances of applicable receiving water quality objectives.~~

Comment [A7]: These statements are completely unsubstantiated.

15. ~~Non-Storm Water and Storm Water Discharges.~~ ~~Non-storm water discharges from the MS4s are not considered storm water discharges and therefore are not subject to the MEP standard of CWA section 402(p)(3)(B)(iii), which is explicitly for "Municipal ... Stormwater Discharges (emphasis added)" from the MS4s. Pursuant to CWA 402(p)(3)(B)(ii), non-storm water discharges into the MS4s must be effectively prohibited.~~

Comment [A8]: See discussion in section 3.1.2 of the comment letter.

16. Best Management Practices. Waste and pollutants which are deposited and accumulate in MS4 drainage structures maywill be discharged from these structures

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to waters of the U.S. unless they are removed. These discharges may cause or contribute to, or threaten to cause or contribute to, a condition of pollution in receiving waters. For this reason, pollutants in storm water discharges from the MS4s can be and must be effectively reduced in runoff by the application of a combination of pollution prevention, source control, and treatment control BMPs. Pollution prevention is the reduction or elimination of pollutant generation at its source and is the best “first line of defense”. Source control BMPs (both structural and non-structural) minimize the contact between pollutants and runoff, therefore keeping pollutants onsite and out of receiving waters. Treatment control BMPs remove pollutants that have been mobilized by storm water or non-storm water flows.

17. BMP Implementation. Runoff needs to be addressed during the three major phases of development (planning, construction, and use) in order to reduce the discharge of storm water pollutants to the MEP, effectively prohibit non-storm water discharges, and protect receiving waters. Development which is not guided by water quality planning policies and principles can result in increased pollutant load discharges, flow rates, and flow durations which can negatively affect receiving water beneficial uses. Construction sites without adequate BMP implementation result in sediment runoff rates which greatly exceed natural erosion rates of undisturbed lands, causing siltation and impairment of receiving waters. Existing development can generate substantial pollutant loads which are discharged in runoff to receiving waters. Retrofitting areas of existing development with storm water pollutant control and hydromodification management BMPs **may in many cases be is** necessary to address storm water discharges from existing development that may cause or contribute to a condition of pollution or a violation of water quality standards.

Comment [A9]: It is not necessary in all cases.

18. Long Term Planning and Implementation. Federal regulations require municipal storm water permits to expire 5 years from adoption, after which the permit must be renewed and reissued. The San Diego Water Board recognizes that the degradation of water quality and impacts to beneficial uses of the waters in the San Diego Region occurred over several decades. The San Diego Water Board further recognizes that a decade or more may be necessary to realize demonstrable improvement to the quality of waters in the Region. This Order includes a long term planning and implementation approach that will require more than a single permit term to complete.

WATER QUALITY STANDARDS

19. Basin Plan. The San Diego Water Board adopted the Water Quality Control Plan for the San Diego Basin (Basin Plan) on September 8, 1994 that designates beneficial uses, establishes water quality objectives, and contains implementation programs and policies to achieve those objectives for receiving waters addressed through the plan. The Basin Plan was subsequently approved by the State Water

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Resources Control Board (State Water Board) on December 13, 1994. Subsequent revisions to the Basin Plan have also been adopted by the San Diego Water Board and approved by the State Water Board. Requirements of this Order implement the Basin Plan.

The Basin Plan identifies the following existing and potential beneficial uses for inland surface waters in the San Diego Region: Municipal and Domestic Supply (MUN), Agricultural Supply (AGR), Industrial Process Supply (PROC), Industrial Service Supply (IND), Ground Water Recharge (GWR), Contact Water Recreation (REC1), Non-contact Water Recreation (REC2), Warm Freshwater Habitat (WARM), Cold Freshwater Habitat (COLD), Wildlife Habitat (WILD), Rare, Threatened, or Endangered Species (RARE), Freshwater Replenishment (FRSH), Hydropower Generation (POW), and Preservation of Biological Habitats of Special Significance (BIOL). The following additional existing and potential beneficial uses are identified for coastal waters of the San Diego Region: Navigation (NAV), Commercial and Sport Fishing (COMM), Estuarine Habitat (EST), Marine Habitat (MAR), Aquaculture (AQUA), Migration of Aquatic Organisms (MIGR), Spawning, Reproduction, and/or Early Development (SPWN), and Shellfish Harvesting (SHELL).

20. Ocean Plan. The State Water Board adopted the Water Quality Control Plan for Ocean Waters of California, California Ocean Plan (Ocean Plan) in 1972 and amended it in 1978, 1983, 1988, 1990, 1997, 2000, and 2005. The State Water Board adopted the latest amendment on April 21, 2005 and it became effective on February 14, 2006. The Ocean Plan is applicable, in its entirety, to point source discharges to the ocean. Requirements of this Order implement the Ocean Plan.

The Ocean Plan identifies the following beneficial uses of ocean waters of the state to be protected: Industrial water supply; water contact and non-contact recreation, including aesthetic enjoyment; navigation; commercial and sport fishing; mariculture; preservation and enhancement of designated Areas of Special Biological Significance; rare and endangered species; marine habitat; fish spawning and shellfish harvesting

21. Sediment Quality Control Plan. On September 16, 2008, the State Water Board adopted the Water Quality Control Plan for Enclosed Bays and Estuaries – Part 1 Sediment Quality (Sediment Quality Control Plan). The Sediment Quality Control Plan became effective on August 25, 2009. The Sediment Quality Control Plan establishes: 1) narrative sediment quality objectives for benthic community protection from exposure to contaminants in sediment and to protect human health, and 2) a program of implementation using a multiple lines of evidence approach to interpret the narrative sediment quality objectives. Requirements of this Order implement the Sediment Quality Control Plan.

22. National Toxics Rule and California Toxics Rule. USEPA adopted the National Toxics Rule (NTR) on December 22, 1992, and later amended it on May 4, 1995 and November 9, 1999. About forty criteria in the NTR applied in California. On May 18, 2000, USEPA adopted the California Toxics Rule (CTR). The CTR promulgated

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new toxics criteria for California and, in addition, incorporated the previously adopted NTR criteria that were applicable in the state. The CTR was amended on February 13, 2001. These rules contain water quality criteria for priority pollutants.

23. Antidegradation Policy. This Order is in conformance with the federal Antidegradation Policy described in 40 CFR 131.12, and State Water Board Resolution No. 68-16, *Statement of Policy with Respect to Maintaining High Quality Waters in California*. Federal regulations at 40 CFR 131.12 require that the State water quality standards include an antidegradation policy consistent with the federal policy. The State Water Board established California's antidegradation policy in State Water Board Resolution No. 68-16. State Water Board Resolution No. 68-16 incorporates the federal antidegradation policy where the federal policy applies under federal law. State Water Board Resolution No. 68-16 requires that existing quality of waters be maintained unless degradation is justified based on specific findings. The Basin Plan implements, and incorporates by reference, both the State and federal antidegradation policies.

CONSIDERATIONS UNDER FEDERAL AND STATE LAW

24. Coastal Zone Act Reauthorization Amendments. Section 6217(g) of the Coastal Zone Act Reauthorization Amendments of 1990 (CZARA) requires coastal states with approved coastal zone management programs to address non-point source pollution impacting or threatening coastal water quality. CZARA addresses five sources of non-point source pollution: agriculture, silviculture, urban, marinas, and hydromodification. This Order addresses the management measures required for the urban category, with the exception of septic systems. The runoff management programs developed pursuant to this Order fulfills the need for coastal cities to develop a runoff non-point source plan identified in the Non-Point Source Program Strategy and Implementation Plan. The San Diego Water Board addresses septic systems through the administration of other programs.

25. Endangered Species Act. This Order does not authorize any act that results in the taking of a threatened or endangered species or any act that is now prohibited, or becomes prohibited in the future, under either the California Endangered Species Act (Fish and Game Code sections 2050 to 2097) or the Federal Endangered Species Act (16 USC sections 1531 to 1544). This Order requires compliance with receiving water limits, and other requirements to protect the beneficial uses of waters of the State. The Copermittees are responsible for meeting all requirements of the applicable Endangered Species Act.

26. Report of Waste Discharge Process. The waste discharge requirements set forth in this Order are based upon the Report of Waste Discharge submitted by the San Diego County Copermittees prior to the expiration of Order No. R9-2007-0001 (NPDES No. CAS0109266). The Orange County and Riverside County Copermittees are not immediately covered by the waste discharge requirements in this Order. The San Diego Water Board understands that each municipality is

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unique although the Counties share watersheds and geographical boundaries. The Order will continue to use the Report of Waste Discharge process prior to initially making Orange County or Riverside County Copermittees subject to the requirements of this Order.

The federal regulations (40 CFR 122.21(d)(2)) and CWC section 13376 impose a duty on the Copermittees to reapply for continued coverage through submittal of a Report of Waste Discharge no later than 180 days prior to expiration of a currently effective permit. This requirement is set forth in the Orange County Copermittees' and Riverside County Copermittees' currently effective permits at Provisions K.2.b and K.2.c, respectively. The Orange County Permit, Order No. R9-2009-0002 (NPDES No. CAS0108740) expires on December 16, 2014 and the Riverside County MS4 Permit, Order No. R9-2010-0016 (NPDES No. CAS0108766) expires on November 10, 2015.

Unless the Orange County or Riverside County Copermittees apply for and receive early coverage under this Order, the Orange County Copermittees' and the Riverside County Copermittees' respective permits will be superseded by this Order upon expiration of their respective permits, subject to any necessary revisions to the requirements of this Order made after the San Diego Water Board considers their respective Reports of Waste Discharge through the public process provided in 40 CFR 124.

Comment [A10]: Please see Comment Letter and Legal Comments regarding regional permit authority.

27. Integrated Report and Clean Water Act Section 303(d) List. The San Diego Water Board and State Water Board submit an Integrated Report to USEPA to comply with the reporting requirements of CWA sections 303(d), 305(b) and 314, which lists the attainment status of water quality standards for water bodies in the San Diego Region. USEPA issued its *Guidance for 2006 Assessment, Listing and Reporting Requirements Pursuant to Sections 303(d), 305(b) and 314 of the Clean Water Act* on July 29, 2005, which advocates the use of a five category approach for classifying the attainment status of water quality standards for water bodies in the Integrated Report. Water bodies included in Category 5 in the Integrated Report indicate at least one beneficial use is not being supported or is threatened, and a TMDL is required. Water bodies included in Category 5 in the Integrated Report are placed on the 303(d) List.

Water bodies with available data and/or information that indicate at least one beneficial use is not being supported or is threatened, but a TMDL is not required, are included in Category 4 in the Integrated Report. Impaired surface water bodies may be included in Category 4 if a TMDL has been adopted and approved (Category 4a); if other pollution control requirements required by a local, state or federal authority are stringent enough to implement applicable water quality standards within a reasonable period of time (Category 4b); or, if the failure to meet an applicable water quality standard is not caused by a pollutant, but caused by other types of pollution (Category 4c).

Implementation of the requirements of this Order may allow the San Diego Water Board to include surface waters impaired by discharges from the Copermittees'

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MS4s in Category 4 in the Integrated Report for consideration during the next 303(d) List submittal by the State to USEPA.

28. Economic Considerations. The California Supreme Court has ruled that although CWC section 13263 requires the State and Regional Water Boards (collectively Water Boards) to consider factors set forth in CWC section 13241 when issuing an NPDES permit, the Water Board may not consider the factors to justify imposing pollutant restrictions that are less stringent than the applicable federal regulations require. (*City of Burbank v. State Water Resources Control Bd.* (2005) 35 Cal.4th 613, 618, 626-627.) However, when pollutant restrictions in an NPDES permit are more stringent than federal law requires, CWC section 13263 requires that the Water Boards consider the factors described in CWC section 13241 as they apply to those specific restrictions.

Comment [A11]: See discussion in section 3.1.2 of the Comment Letter and also Legal Comments..

As noted in the following finding, the San Diego Water Board finds that the requirements in this permit are not more stringent than the minimum federal requirements. Therefore, a CWC section 13241 analysis is not required for permit requirements that implement the effective prohibition on the discharge of non-storm water into the MS4 or for controls to reduce the discharge of pollutants ~~in-storm water~~ to the MEP, or other provisions that the San Diego Water Board has determined appropriate to control such pollutants, as those requirements are mandated by federal law. Notwithstanding the above, the San Diego Water Board has developed an economic analysis of the requirements in this Order. The economic analysis is provided in the Fact Sheet.

29. ~~Unfunded Mandates.~~ ~~This Order does not constitute an unfunded local government mandate subject to subvention under Article XIII B, Section (6) of the California Constitution for several reasons, including, but not limited to, the following:~~

Comment [A12]: See discussion in section 3.1.2 of the comment letter and in the Legal Comments.

- ~~a. This Order implements federally mandated requirements under CWA section 402 (33- USC section 1342(p)(3)(B)).~~
- ~~b. The local agency Copermitttees' obligations under this Order are similar to, and in many respects less stringent than, the obligations of non-governmental and new dischargers who are issued NPDES permits for storm water and non-storm water discharges.~~
- ~~c. The local agency Copermitttees have the authority to levy service charges, fees, or assessments sufficient to pay for compliance with this Order.~~
- ~~d. The Copermitttees have requested permit coverage in lieu of compliance with the complete effective prohibition against the discharge of pollutants contained in CWA section 301(a) (33- USC section 1311(a)) and in lieu of numeric restrictions on their MS4 discharges (i.e. effluent limitations).~~
- ~~e. The local agencies' responsibility for preventing discharges of waste that can create conditions of pollution or nuisance from conveyances that are within their ownership or control under State law predates the enactment of Article XIII B, Section (6) of the California Constitution.~~

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~~f. The provisions of this Order to implement TMDLs are federal mandates. The CWA requires TMDLs to be developed for water bodies that do not meet federal water quality standards (33 USC section 1313(d)). Once the USEPA or a state develops a TMDL, federal law requires that permits must contain water quality based effluent limitations consistent with the assumptions and requirements of any applicable wasteload allocation (40 CFR 122.44(d)(1)(vii)(B)).~~

~~See the Fact Sheet for further discussion of unfunded mandates.~~

30. California Environmental Quality Act. The issuance of waste discharge requirements and an NPDES permit for the discharge of runoff from MS4s to waters of the U.S. is exempt from the requirement for preparation of environmental documents under the California Environmental Quality Act (CEQA) (Public Resources Code, Division 13, Chapter 3, section 21000 et seq.) in accordance with CWC section 13389.

STATE WATER BOARD DECISIONS

31. Compliance with Prohibitions and Limitations. The receiving water limitation language specified in this Order is consistent with language recommended by the USEPA and established in State Water Board Order WQ 99-05, *Own Motion Review of the Petition of Environmental Health Coalition to Review Waste Discharge Requirements Order No. 96-03, NPDES Permit No. CAS0108740*, adopted by the State Water Board on June 17, 1999. The receiving water limitation language in this Order requires storm water discharges from MS4s to not cause or contribute to a violation of water quality standards, which is to be achieved through an iterative approach requiring the implementation of improved and better-tailored BMPs over time. Implementation of the iterative approach to comply with receiving water limitations based on applicable water quality standards is necessary to ensure that ~~Pollutant storm water~~ discharges from the MS4 will not ultimately cause or contribute to violations of water quality standards and will not create conditions of pollution, contamination, or nuisance.

Comment [A13]: See discussion in section 3.1.2 of the comment letter.

Comment [A14]: Please see discussion in section 3.1.2 of the Comment Letter and Legal Comments.

32. Special Conditions for Areas of Special Biological Significance. On March 20, 2012, the State Water Board approved Resolution No. 2012-0012 approving an exception to the Ocean Plan effective prohibition against discharges to Areas of Special Biological Significance (ASBS) for certain nonpoint source discharges and NPDES permitted municipal storm water discharges. State Water Board Resolution No. 2012-0012 requires monitoring and testing of marine aquatic life and water quality in several ASBS to protect California's coastline during storms when rain water overflows into coastal waters. Specific terms, effective prohibitions, and special conditions were adopted to provide special protections for marine aquatic life and natural water quality in ASBS. The City of San Diego's municipal storm water discharges to the San Diego Marine Life Refuge in La Jolla, and the City of Laguna Beach's municipal storm water discharges to the Heisler Park ASBS are subject terms and conditions of State Water Board Resolution No. 2012-0012. The Special

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Protections contained in Attachment B to Resolution No. 2012-0012, applicable to these discharges, are hereby incorporated into this Order as if fully set forth herein.

ADMINISTRATIVE FINDINGS

- 33. Executive Officer Delegation of Authority.** The San Diego Water Board by prior resolution has delegated all matters that may legally be delegated to its Executive Officer to act on its behalf pursuant to CWC section 13223. Therefore, the Executive Officer is authorized to act on the San Diego Water Board's behalf on any matter within this Order unless such delegation is unlawful under CWC section 13223 or this Order explicitly states otherwise.
- 34. Standard Provisions.** Standard Provisions, which apply to all NPDES permits in accordance with 40 CFR 122.41, and additional conditions applicable to specified categories of permits in accordance with 40 CFR 122.42, are provided in [Attachment B](#) to this Order.
- 35. Fact Sheet.** The Fact Sheet for this Order contains background information, regulatory and legal citations, references and additional explanatory information and data in support of the requirements of this Order. The Fact Sheet is hereby incorporated into this Order and constitutes part of the Findings of this Order.
- 36. Public Notice.** In accordance with State and federal laws and regulations, the San Diego Water Board notified the Copermitttees, and interested agencies and persons of its intent to prescribe waste discharge requirements for the control of discharges into and from the MS4s to waters of the U.S. and has provided them with an opportunity to submit their written comments and recommendations. Details of notification are provided in the Fact Sheet.
- 37. Public Hearing.** The San Diego Water Board held a public hearing on Month Day, 2013 and heard and considered all comments pertaining to the terms and conditions of this Order. Details of the public hearing are provided in the Fact Sheet.
- 38. Effective Date.** This Order serves as an NPDES permit pursuant to CWA section 401 or amendments thereto, and becomes effective fifty (50) days after the date of its adoption, provided that the Regional Administrator, USEPA, Region IX, does not object to this Order.
- 39. Review by the State Water Board.** Any person aggrieved by this action of the San Diego Water Board may petition the State Water Board to review the action in accordance with CWC section 13320 and California Code of Regulations, title 23, sections 2050, et seq. The State Water Board must receive the petition by 5:00 p.m., 30 days after the San Diego Water Board action, except that if the thirtieth day following the action falls on a Saturday, Sunday or State holiday, the petition must be received by the State Water Board by 5:00 p.m. on the next business day. Copies of the law and regulations applicable to filing petitions may be found on the

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Internet at: http://www.waterboards.ca.gov/public_notices/petitions/water_quality or will be provided upon request.

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THEREFORE, IT IS HEREBY ORDERED that the Copermitttees, in order to meet the provisions contained in division 7 of the CWC and regulations adopted thereunder, and the provisions of the CWA and regulations adopted thereunder, must each comply with the following:

II. PROVISIONS

A. PROHIBITIONS AND LIMITATIONS

Comment [A15]: See discussion in section 3.2.2 of the comment letter.

The purpose of this provision is to describe the conditions under which storm water and non-storm water discharges into and from MS4s are to be effectively prohibited or limited. The goal of the prohibitions and limitations is to protect the water quality and designated beneficial uses of waters of the state from adverse impacts caused or contributed to by MS4 discharges. This goal will be accomplished through the implementation of water quality improvement strategies and runoff management programs that effectively prohibit non-storm water discharges into the Copermitttees' MS4s, and reduce pollutants in ~~storm water~~ discharges from the Copermitttees' MS4s to the MEP. The process for determination of compliance with the Discharge Prohibitions (A.1), Receiving Water Limitations (A.2), and Effluent Limitations (A.3) is defined in Provisions A.3.b and A.4.

1. Discharge Prohibitions

- a. Discharges from MS4s in a manner causing, or threatening to cause, a condition of pollution, contamination, or nuisance in receiving waters ~~of the state~~ are to be prohibited, effectively prohibited, unless the Regional Board determines such discharges are addressed by the Copermitttee through A.3.b or A.4, including any modifications, prohibited.
- b. Non-storm water discharges into MS4s are to be effectively prohibited through a program consistent with the requirements of provision E.2. of this order, including inspections, to implement and enforce an ordinance, orders or similar means to prevent illicit discharges to the MS4, unless such discharges are either authorized by a separate NPDES permit, or the discharge is a category of non-storm water discharges or flows that must be addressed pursuant to Provisions E.2.a.(1)-(5) of this Order.
- c. Discharges from MS4s are subject to all applicable waste discharge prohibitions in the Basin Plan, included in Attachment A to this Order, unless the Regional Board determines such discharges are addressed by the Copermitttee through A.3.b or A.4, including any modifications.
- d. Storm water discharges from the City of San Diego's MS4 to the San Diego Marine Life Refuge in La Jolla, and the City of Laguna Beach's MS4 to the Heisler Park ASBS are authorized under this Order subject to the Special Protections contained in Attachment B to State Water Board Resolution No.

Comment [A16]: See discussion in section 3.2.2 of the comment letter.

Comment [A17]: See discussion in section 3.2.2 of the comment letter.

Comment [A18]: See discussion in section 3.2.2 of the comment letter.

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2012-0012 applicable to these discharges, included in [Attachment A](#) to this Order. All other discharges from the Copermitttees' MS4s to ASBS are ~~to be effectively~~ prohibited.

2. **Receiving Water Limitations**

Comment [A19]: See discussion in section 3.2.2 of the comment letter.

- a. Discharges from MS4s must not cause or contribute to the violation of water quality standards in any receiving waters, including but not limited to all applicable provisions ~~contained in:~~below, unless the Regional Board determines such discharges are addressed by the Copermitttee through A.3.b or A.4::contained in:

- (1) The San Diego Water Board's Basin Plan, including beneficial uses, water quality objectives, and implementation plans;
- (2) State Water Board plans for water quality control including the following:
 - (a) Water Quality Control Plan for Control of Temperature in the Coastal and Interstate Waters and Enclosed Bays and Estuaries (Thermal Plan), and
 - (b) The Ocean Plan, including beneficial uses, water quality objectives, and implementation plans;
- (3) State Water Board policies for water and sediment quality control including the following:
 - (a) Water Quality Control Policy for the Enclosed Bays and Estuaries of California,
 - (b) Sediment Quality Control Plan which includes the following narrative objectives for bays and estuaries:
 - (i) Pollutants in sediments shall not be present in quantities that, alone or in combination, are toxic to benthic communities, and
 - (ii) Pollutants shall not be present in sediments at levels that will bioaccumulate in aquatic life to levels that are harmful to human health,
 - (c) The Statement of Policy with Respect to Maintaining High Quality of Waters in California;¹
- (4) Priority pollutant criteria promulgated by the USEPA through the following:

¹ State Water Board Resolution No. 68-16

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- (a) National Toxics Rule (NTR)² (promulgated on December 22, 1992 and amended on May 4, 1995), and
 - (b) California Toxics Rule (CTR).^{3,4}
- b.** Discharges from MS4s composed of storm water runoff must not alter natural ocean water quality in an ASBS.

² 40 CFR 131.36

³ 65 Federal Register 31682-31719 (May 18, 2000), adding Section 131.38 to 40 CFR

⁴ If a water quality objective and a CTR criterion are in effect for the same priority pollutant, the more stringent of the two applies.

Riverside Copermittee Redlines**3. Effluent Limitations****a. TECHNOLOGY BASED EFFLUENT LIMITATIONS**

Pollutants in ~~storm water~~ discharges from MS4s must be reduced to the MEP.⁵

Comment [A20]: See discussion in section 3.2.2 of the comment letter.

b. WATER QUALITY BASED EFFLUENT LIMITATIONS

This Order establishes water quality based effluent limitations (WQBELs) consistent with the assumptions and requirements of all available TMDL waste load allocations (WLAs) assigned to discharges from the Copermittees' MS4s. Each Copermittee must comply with applicable WQBELs established for the TMDLs in [Attachment E](#) to this Order, pursuant to the applicable TMDL compliance schedules.

4. Compliance with Discharge Prohibitions and Receiving Water Limitations

Comment [A21]: See discussion in section 3.2.2 of the comment letter.

Each Copermittee must achieve compliance with Provisions [A.1.a](#), ~~through~~ [A.1.c](#) and [A.2.a](#) of this Order through timely implementation of control measures and other actions as specified in Provisions [B](#) and [E](#) of this Order, including any modifications. The Water Quality Improvement Plans required under Provision [B](#) must be designed and adapted to ultimately achieve compliance with Provisions [A.1.a](#), ~~through~~ [A.1.c](#) and [A.2.a](#), ~~as described in Provision B.2.~~

- a.** If exceedance(s) of water quality standards persist in receiving waters notwithstanding implementation of this Order, the Copermittees must comply with the following procedures:
- (1) For exceedance(s) of a water quality standard in the process of being addressed by the Water Quality Improvement Plan, the Copermittee(s) must implement the Water Quality Improvement Plan as accepted by the San Diego Water Board, and update the Water Quality Improvement Plan, as necessary, pursuant to Provision [F.2.c](#);
 - (2) Upon a determination by either the Copermittees or the San Diego Water Board that discharges from the MS4 are causing or contributing to a new exceedance of an applicable water quality standard not addressed by the Water Quality Improvement Plan, the Copermittees must submit the following updates to the Water Quality Improvement Plan pursuant to Provision [F.2.c](#) or as part of the Annual Report required under Provision [F.3.b](#), unless the San

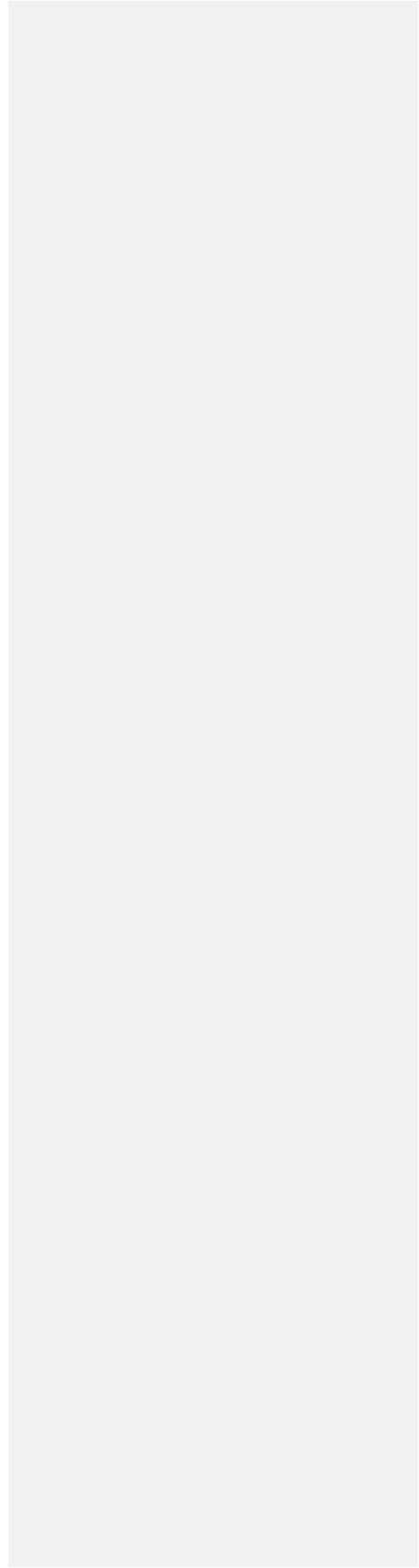
⁵ This does not apply to MS4 discharges which receive subsequent treatment to reduce pollutants in storm water discharges to the MEP prior to entering receiving waters (e.g., low flow diversions to the sanitary sewer). Runoff treatment must occur prior to the discharge of runoff into receiving waters per Finding [7](#).

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Diego Water Board directs an earlier submittal:

- (a) The water quality improvement strategies being implemented that are effective and will continue to be implemented,
 - (b) Water quality improvement strategies (i.e. BMPs, retrofitting projects, stream and/or habitat rehabilitation or restoration projects, adjustments to jurisdictional runoff management programs, etc.) that will be implemented to reduce or eliminate any pollutants or conditions that are causing or contributing to the exceedance of water quality standards,
 - (c) Updates to the schedule for implementation of the existing and additional water quality improvement strategies, and
 - (d) Updates to the monitoring and assessment program to track progress toward achieving compliance with Provisions [A.1.a](#), [A.1.c](#) and [A.2.a](#) of this Order;
- (3) The San Diego Water Board may require the incorporation of additional modifications to the Water Quality Improvement Plan required under Provision [B](#). The applicable Copermitttees must submit any modifications to the update to the Water Quality Improvement Plan within 90 days of notification that additional modifications are required by the San Diego Water Board, or as otherwise directed;
- (4) Within 90 days of the San Diego Water Board determination that the update to the Water Quality Improvement Plan meets the requirements of this Order, the applicable Copermitttees must revise the jurisdictional runoff management program documents to incorporate the updated water quality improvement strategies that have been and will be implemented, the implementation schedule, and any additional monitoring required; and
- (5) Each Copermitttee must implement the updated Water Quality Improvement Plan.
- b.** The procedure set forth above to achieve compliance with Provisions [A.1.a](#), [A.1.c](#) and [A.2.a](#) of this Order do not have to be repeated for continuing or recurring exceedances of the same water quality standard(s) following implementation of scheduled actions unless directed to do otherwise by the San Diego Water Board.
- c.** Nothing in Provisions [A.4.a](#) and [A.4.b](#) prevents the San Diego Water Board from enforcing any **of provisions [B through I](#)** of this Order while the applicable Copermitttees prepare and implement the above update to the Water Quality Improvement Plan and jurisdictional runoff management programs.

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B. WATER QUALITY IMPROVEMENT PLANS

Comment [A22]: See section 3.3 of the comment letter for discussions of the changes requested herein.

The purpose of this provision is to develop Water Quality Improvement Plans (WQIPs) that guide the Copermittees' jurisdictional runoff management programs towards achieving the outcome of improved water quality in MS4 discharges and receiving waters. The goal of the Water Quality Improvement Plans is to ~~protect, preserve, enhance, and restore~~ address the impacts of MS4 discharges so that such discharges do not impair water quality and designated beneficial uses of receiving waters. ~~of the state. Therefore, implementation of the WQIPs also provides the basis for complying with Provisions II.A.1, II.A.2, and II.A.3, as described in Provision II.A.4.~~ This goal will be accomplished through an adaptive planning and management process that identifies the highest priority water quality conditions within a watershed and implements strategies through the jurisdictional runoff management programs to achieve improvements in the quality of discharges from the MS4s ~~and to~~ receiving waters. As such, the requirements outlined in Provision E may be modified for consistency with the WQIP priorities for the applicable Watershed Management Area, if appropriate justification is provided approved within the WQIP.

Comment [A23]: See discussion in section 3.3.2 of the comment letter.

1. Watershed Management Areas

Comment [A24]: See discussion in section 3.3.2 of the comment letter.

The Copermittees must develop a Water Quality Improvement Plan for each of the Watershed Management Areas in [Table B-1](#). A total of ten Water Quality Improvement Plans must be developed for the San Diego Region.

Development of the Water Quality Improvement Plan for the Santa Margarita River Watershed Management Area shall commence upon notification of coverage of the Riverside County Copermittees under this Order. Until this time, the County of San Diego shall use the water quality priorities in the Santa Margarita River Watershed Urban Runoff Management Plan, developed pursuant to Order No. R9-2007-0001, to guide implementation of Provisions D and E within its jurisdiction

Table B-1. Watershed Management Areas

Hydrologic Unit(s)	Watershed Management Area	Major Surface Water Bodies	Responsible Copermittees
San Juan (901.00)	South Orange County	<ul style="list-style-type: none"> - Aliso Creek - San Juan Creek - San Mateo Creek - Pacific Ocean - Heisler Park ASBS 	<ul style="list-style-type: none"> - City of Aliso Viejo¹ - City of Dana Point¹ - City of Laguna Beach¹ - City of Laguna Hills¹ - City of Laguna Niguel¹ - City of Laguna Woods¹ - City of Lake Forest¹ - City of Mission Viejo¹ - City of Rancho Santa Margarita¹ - City of San Clemente¹ - City of San Juan Capistrano¹ - County of Orange¹ - Orange County Flood Control District¹

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Table B-1. Watershed Management Areas

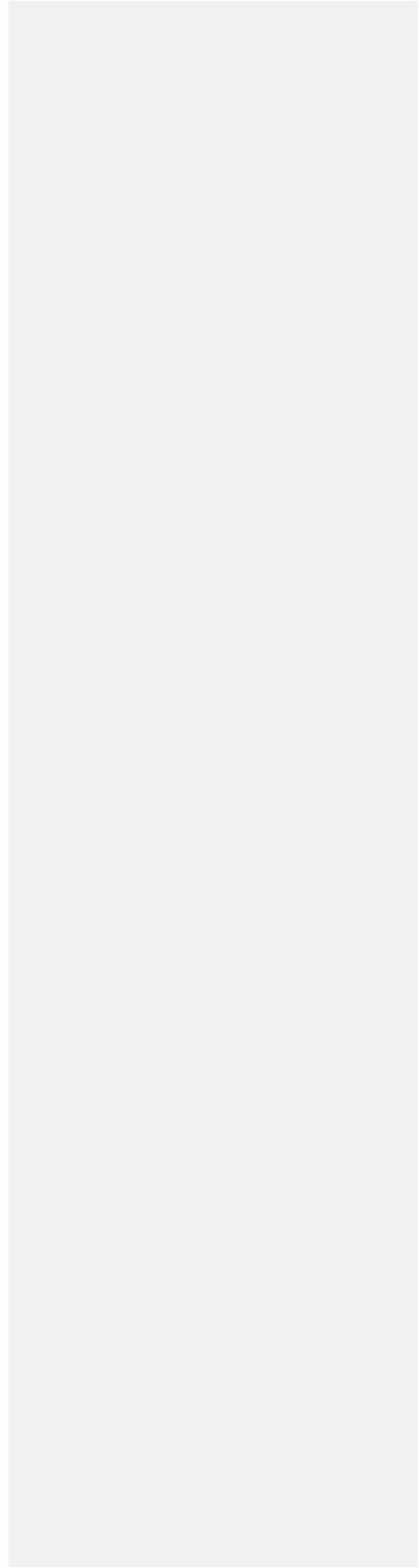
Hydrologic Unit(s)	Watershed Management Area	Major Surface Water Bodies	Responsible Copermitees
Santa Margarita (902.00)	Santa Margarita River	- Murrieta Creek - Temecula Creek - Santa Margarita River - Santa Margarita Lagoon - Pacific Ocean	- City of Murrieta ² - City of Temecula ² - City of Wildomar ² - County of Riverside ² - County of San Diego ³ - Riverside County Flood Control and Water Conservation District ²
San Luis Rey (903.00)	San Luis Rey River	- San Luis Rey River - San Luis Rey Estuary - Pacific Ocean	- City of Oceanside - City of Vista - County of San Diego
Carlsbad (904.00)	Carlsbad	- Loma Alta Slough - Buena Vista Lagoon - Agua Hedionda Lagoon - Batiquitos Lagoon - San Elijo Lagoon - Pacific Ocean	- City of Carlsbad - City of Encinitas - City of Escondido - City of Oceanside - City of San Marcos - City of Solana Beach - City of Vista - County of San Diego
San Dieguito (905.00)	San Dieguito River	- San Dieguito River - San Dieguito Lagoon - Pacific Ocean	- City of Del Mar - City of Escondido - City of Poway - City of San Diego - City of Solana Beach - County of San Diego
Penasquitos (906.00)	Penasquitos	- Los Penasquitos Lagoon - Pacific Ocean	- City of Del Mar - City of Poway - City of San Diego - County of San Diego
	Mission Bay	- Mission Bay - Pacific Ocean - San Diego Marine Life Refuge ASBS	- City of San Diego
San Diego (907.00)	San Diego River	- San Diego River - Pacific Ocean	- City of El Cajon - City of La Mesa - City of San Diego - City of Santee - County of San Diego
Pueblo San Diego (908.00) Sweetwater (909.00) Otay (910.00)	San Diego Bay	- Sweetwater River - Otay River - San Diego Bay - Pacific Ocean	- City of Chula Vista - City of Coronado - City of Imperial Beach - City of La Mesa - City of Lemon Grove - City of National City - City of San Diego - County of San Diego - San Diego County Regional Airport Authority - San Diego Unified Port District
Tijuana (911.00)	Tijuana River	- Tijuana River - Tijuana Estuary - Pacific Ocean	- City of Imperial Beach - City of San Diego - County of San Diego

Notes:

1. The Orange County Copermitees will be covered under this Order after expiration of Order No. R9-2009-0002, or earlier if the Orange County Copermitees meet the conditions in Provision F.6.
2. The Riverside County Copermitees will be covered under this Order after expiration of Order No. R9-2010-0016, or earlier if the Riverside County Copermitees meet the conditions in Provision F.6.
3. The County of San Diego is required to implement the requirements of Provision B for its jurisdiction within the Santa

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Margarita River Watershed Management Area until the Riverside County Copermitttees have been notified of coverage under this Order.



2. Priority Water Quality Conditions

The Copermittees must identify the water quality priorities within each Watershed Management Area that will be addressed by the Water Quality Improvement Plan. Where appropriate, Watershed Management Areas may be separated into subwatersheds to focus water quality prioritization and jurisdictional runoff management program implementation efforts by receiving water.

a. ASSESSMENT OF RECEIVING WATER CONDITIONS

The Copermittees must consider the following, at a minimum, to identify water quality priorities based on impacts of MS4 discharges on receiving water beneficial uses:

- (1) Receiving waters listed as impaired on the CWA Section 303(d) List of Water Quality Limited Segments (303(d) List);
- (2) TMDLs adopted and under development by the San Diego Water Board;
- (3) Receiving waters recognized as sensitive or highly valued by the Copermittees, including estuaries designated under the National Estuary Program under CWA section 320, wetlands defined by the State or U.S. Fish and Wildlife Service's National Wetlands Inventory as wetlands, and receiving waters identified as ASBS subject to the provisions of Attachment B to State Water Board Resolution No. 2012-0012 ([Attachment A](#));
- (4) The receiving water limitations of Provision [A.2](#);
- (5) Known historical versus current physical, chemical, and biological water quality conditions;
- (6) Available, relevant, and appropriately collected and analyzed physical, chemical, and biological receiving water monitoring data, including, but not limited to, data describing:
 - (a) Chemical constituents,
 - (b) Water quality parameters (i.e. pH, temperature, conductivity, etc.),
 - (c) Toxicity Identification Evaluations for both receiving water column and sediment,
 - (d) Trash impacts,
 - (e) Bioassessments, and
 - (f) Physical habitat;

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- (7) Available evidence of erosional impacts in receiving waters due to accelerated flows (i.e. hydromodification);
- (8) Available evidence of adverse impacts to the chemical, physical, and biological integrity of receiving waters; and
- (9) The potential improvements in the overall condition of the Watershed Management Area that can be achieved.

b. ASSESSMENT OF IMPACTS FROM MS4 DISCHARGES

The Copermitttees must consider the following, at a minimum, to identify the potential impacts to receiving waters that may be caused or contributed to by discharges from the Copermitttees' MS4s:

- (1) The discharge prohibitions of Provision [A.1](#) and effluent limitations of Provision [A.3](#); and
- (2) Available, relevant, and appropriately collected and analyzed storm water and non-storm water monitoring data from the Copermitttees' MS4 outfalls;
- (3) Locations of each Copermitttee's MS4 outfalls that discharge to receiving waters;
- (4) Locations of MS4 outfalls that are known to persistently discharge non-storm water to receiving waters likely causing or contributing to impacts on receiving water beneficial uses;
- (5) Locations of MS4 outfalls that are known to discharge pollutants in storm water causing or contributing to impacts on receiving water beneficial uses; and
- (6) The potential improvements in the quality of discharges from the MS4 that can be achieved.

c. IDENTIFICATION OF PRIORITY WATER QUALITY CONDITIONS

- (1) The Copermitttees must use the information gathered for Provisions [B.2.a](#) and [B.2.b](#) to develop a list of priority water quality conditions as pollutants, stressors and/or receiving water conditions that are the highest threat to receiving water quality or that most adversely affect the physical, chemical, and biological integrity of receiving waters. The list must include the following information for each priority water quality condition:

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- (a) The beneficial use(s) associated with the priority water quality condition;
 - (b) The geographic extent of the priority water quality condition within the Watershed Management Area, if known;
 - (c) The temporal extent of the priority water quality condition (e.g., dry weather and/or wet weather);
 - (d) The Copermittees with MS4s discharges that may cause or contribute to the priority water quality condition; and
 - (e) An assessment of the adequacy of and data gaps in the monitoring data to characterize the conditions causing or contributing to the priority water quality condition, including a consideration of spatial and temporal variation.
- (2) The Copermittees must identify the highest priority water quality conditions to be addressed by the Water Quality Improvement Plan, and provide a rationale for selecting a subset of the water quality conditions identified pursuant to Provision [B.2.c.\(1\)](#) as the highest priorities.

d. IDENTIFICATION OF MS4 SOURCES OF POLLUTANTS AND/OR STRESSORS

The Copermittees must identify and prioritize known and suspected sources of storm water and non-storm water pollutants and/or other stressors within their jurisdiction, associated with MS4 discharges that cause or contribute to the highest priority water quality conditions identified under Provision [B.2.c](#). ~~The identification of known and suspected sources of pollutants and/or stressors that cause or contribute to the highest priority water quality conditions as identified for Provision B.2.c must~~ considering ing the following:

- (1) Pollutant generating facilities, areas, and/or activities within the Watershed Management Area, including:
 - (a) Each Copermittee's inventory of construction sites, commercial facilities or areas, industrial facilities, municipal facilities, and residential areas,
 - (b) Publicly owned parks and/or recreational areas,
 - (c) Open space areas,
 - (d) All currently operating or closed municipal landfills or other treatment, storage or disposal facilities for municipal waste,,, and
 - (e) Areas not within the Copermittees' jurisdictions (e.g., Phase II MS4s, tribal lands, state lands, federal lands) that are known or suspected to be discharging to the Copermittees' MS4s;

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(2) Locations of the Copermittees' MS4s, including the following:

(a) All major MS4 outfalls [per 40CFR 122.26 (b)(5)] that discharge to receiving waters, and

(b) Locations of major structural controls for storm water and non-storm water (e.g., retention basins, detention basins, major infiltration devices, etc.);

(3) Other known and suspected sources of non-storm water or pollutants in storm water discharges to receiving waters within the Watershed Management Area, including the following:

(a) Other MS4 outfalls (e.g., Phase II Municipal and Caltrans),

(b) Other NPDES permitted discharges,

(c) Any other discharges that may be considered point sources (e.g., private outfalls), and

(d) Any other discharges that may be considered non-point sources (e.g., agriculture, wildlife or other natural sources);

(4) Review of available data, including but not limited to:

(a) Findings from the Copermittees' illicit discharge detection and elimination programs,

(b) Findings from the Copermittees' MS4 outfall discharge monitoring,

(c) Findings from the Copermittees' receiving water monitoring,

(d) Findings from the Copermittees' MS4 outfall discharge and receiving water assessments, and

(e) Other available, relevant, and appropriately collected data, information, or studies related to pollutant sources and/or stressors that contribute to the highest priority water quality conditions as identified for Provision [B.2.c](#).

(5) The adequacy of the available data to identify and prioritize sources and/or stressors associated with MS4 discharges that cause or contribute to the highest priority water quality conditions identified under Provision [B.2.c](#).

Riverside Copermitttee Redlines**e. NUMERIC GOALS AND SCHEDULES**

Comment [A25]: See discussion in section 3.3.2 of the comment letter.

The Copermitttees must develop and incorporate action levels, interim and final numeric goals⁶ and schedules into the Water Quality Improvement Plan. Numeric goals must be used to support Water Quality Improvement Plan implementation and measure progress towards addressing the highest priority water quality conditions identified under Provision B.2.c. Action Levels, Numeric goals are not enforceable compliance standards, effluent limitations, or receiving water limitations. When establishing numeric goals and corresponding schedules, the Copermitttees must consider the following:

- (1) Final numeric goals must be based on measureable criteria or indicators, to be achieved in ~~the receiving waters and/or~~ MS4 discharges for the highest priority water quality conditions which will ~~be capable of demonstrating the achievement of the restoration and/or protection comply with the Receiving Water Limitations (A.2) of this Order; water quality standards in receiving waters;~~
- (2) Interim numeric goals must be based on measureable criteria or indicators capable of demonstrating incremental progress toward achieving the final numeric goals in the receiving waters and/or MS4 discharges; and
- (3) Schedules must be adequate for measuring progress toward achieving the interim and final numeric goals required for Provisions B.2.e.(1) and B.2.e.(2). Schedules must incorporate the following:
 - (a) Interim dates for achieving the interim numeric goals,
 - (b) Compliance schedules for any applicable TMDLs in [Attachment E](#) to this Order,
 - (c) Compliance schedules for any ASBS subject to the provisions of Attachment B to State Water Board Resolution No. 2012-0012 (see [Attachment A](#)),
 - (d) Achievement of the final numeric goals in the receiving waters and/or MS4 discharges for the highest water quality priorities must be as soon as possible, and

⁶ Interim and final numeric goals may take a variety of forms such as TMDL established WQBELs, action levels, pollutant concentration, load reductions, number of impaired water bodies delisted from the List of Water Quality Impaired Segments, Index of Biotic Integrity (IBI) scores, or other appropriate metrics. Interim and final numeric goals are not necessarily limited to one criterion or indicator, but may include multiple criteria and/or indicators. Except for TMDL established WQBELs, interim and final numeric goals and corresponding schedules may be revised through the adaptive management process under Provision B.5.

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(e) Final dates for achieving the final numeric goals must not initially extend more than 10 years beyond the effective date of this Order, unless a longer period of time is authorized by the San Diego Water Board Executive Officer through an approved WQIP or the schedule includes an applicable TMDL in Attachment E to this Order⁷.

Comment [A26]: Clarify that a longer period can be granted through the WQIP process.

⁷ Achievement of final numeric goals within 10 years represents progress towards attainment of water quality standards, but is not a requirement to fully attain all applicable water quality standards or all priority receiving water conditions within 10 years.

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3. **Water Quality Improvement Strategies and Schedules**

Comment [A27]: See discussion in section 3.3.2 of the comment letter.

The Copermitttees must develop specific water quality improvement strategies to address the highest priority water quality conditions identified within a Watershed Management Area. The water quality improvement strategies must address the highest priority water quality conditions by ~~ensuring the effective prohibition of preventing or eliminating~~ non-storm water discharges to and from the MS4, reducing pollutants in ~~storm water~~ discharges from the MS4 to the MEP, ~~as applicable to the priority water quality conditions established per provision B.2., and restoring and/or protecting the water quality standards of receiving waters.~~ as applicable to the priority water quality conditions established per provision B.2.

a. **WATER QUALITY IMPROVEMENT STRATEGIES**

The Copermitttees must identify and prioritize water quality improvement strategies based on their likely effectiveness and efficiency, and ~~design the JRMP programs to focus resources on those strategies to implement strategies to effectively prohibit non-storm water discharges to the MS4, reduce pollutants in storm water discharges from the MS4 to the MEP, improve the physical, chemical, and biological receiving water conditions, and~~ achieve the interim and final numeric goals in accordance with the schedules required for Provision B.2.e.(3). The following water quality improvement strategies must be included and described in the Water Quality Improvement Plan:

- (1) Specific strategies and/or activities that may be implemented by one or more Copermitttees within their jurisdictions through the jurisdictional runoff management programs that will address the highest priority water quality conditions within the Watershed Management Area, in accordance with the following requirements:
 - (a) Strategies and/or activities must, at a minimum, be described for each jurisdictional runoff management program component where strategies to address the highest priority water quality conditions are required under Provision E;
 - (b) The Water Quality Improvement Plan must describe the circumstances or conditions when and where the strategies or/activities should be or will be implemented, but specific details about how each Copermitttee will implement the strategies and/or activities within its jurisdiction are not required; and
 - (c) Descriptions of strategies and/or activities must include any monitoring, information collection, special studies, and/or data analysis that is necessary to assess the effectiveness of the strategy and/or activity toward addressing the highest priority water quality conditions.
- (2) Additional strategies and/or activities that may be implemented within the Watershed Management Area on a jurisdictional, sub-watershed, or watershed scale by one or more Copermitttees, not specifically required under

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Provision E, which are designed to achieve the interim and final numeric goals identified in Provisions B.2.e.(1) and B.2.e.(2);

b. IMPLEMENTATION SCHEDULES

- (1) The Copermitees must develop schedules for implementing the water quality improvement strategies identified under Provision B.3.a to achieve the interim and final numeric goals identified under Provision B.2.e.(1) and B.2.e.(2). Schedules must be developed for both the water quality improvement strategies implemented by each Copermitee within its jurisdiction and for strategies that the Copermitees choose to implement on a collaborative basis.
- (2) The Copermitees must incorporate the implementation compliance schedules for any ASBS subject to the provisions of Attachment B to State Water Board Resolution No. 2012-0012 (see Attachment A).

4. Water Quality Improvement Monitoring and Assessment Program

- a. The Copermitees in each Watershed Management Area must develop and incorporate an integrated monitoring and assessment program into the Water Quality Improvement Plan that assesses: 1) the progress toward achieving the numeric goals and schedules, 2) the progress toward addressing the highest priority water quality conditions for each Watershed Management Area, and 3) each Copermitee's overall efforts to implement the Water Quality Improvement Plan.
- b. The monitoring and assessment program must incorporate the monitoring and assessment requirements of Provision D, which may allow the Copermitees to modify the program to be consistent with and focus on the highest priority water quality conditions for each Watershed Management Area.
- c. For Watershed Management Areas with applicable TMDLs, the monitoring and assessment program must incorporate the specific monitoring and assessment requirements of Attachment E.
- d. For Watershed Management Areas with any ASBS, the water quality monitoring and assessment program must incorporate the monitoring requirements of Attachment B to State Water Board Resolution No. 2012-0012 (see Attachment A).

5. Iterative Approach and Adaptive Management Process

The Copermitees in each Watershed Management Area must implement the iterative approach pursuant to Provision A.4 to adapt the Water Quality Improvement Plan, monitoring and assessment program, and jurisdictional runoff management

Comment [A28]: See discussion in section 3.3.2 of the comment letter.

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programs to become more effective toward achieving compliance with Provisions A.1, A.2, and A.3.A.1.a, A.1.c and A.2.a, and must include the following:

a. RE-EVALUATION OF PRIORITY WATER QUALITY CONDITIONS

The priority receiving water quality conditions, and numeric goals and corresponding schedules, included in the Water Quality Improvement Plan pursuant to Provisions B.2.c and B.2.e, may be re-evaluated by the Copermitttees as needed during the term of this Order as part of the Annual Report. Re-evaluation and recommendations for modifications to the priority water quality conditions, and numeric goals and corresponding schedules must be provided in the Regional Monitoring and Assessment Report pursuant to F.3.c~~Report of Waste Discharge~~, and must consider the following:

- (1) Achieving the outcome of improved water quality in MS4 discharges and receiving waters through implementation of the water quality improvement strategies identified in the Water Quality Improvement Plan;
- (2) Progress toward achieving interim and final numeric goals in receiving waters and/or MS4 discharges for the highest priority water quality conditions in the Watershed Management Area,
- (3) Progress toward achieving outcomes according to established schedules;
- (4) New information developed when the requirements of Provisions B.2.a-c have been re-evaluated;
- (5) New policies or regulations that may affect identified numeric goals;
- (6) Spatial and temporal accuracy of monitoring data collected to inform prioritization of water quality conditions and implementation strategies to address the highest priority water quality conditions;
- (7) Availability of new information and data from sources other than the jurisdictional runoff management programs within the Watershed Management Area that informs the effectiveness of the actions implemented by the Copermitttees;
- (8) San Diego Water Board recommendations; and
- (9) Recommendations for modifications solicited through a public participation process.

b. ADAPTATION OF STRATEGIES AND SCHEDULES

The water quality improvement strategies and schedules, included in the Water Quality Improvement Plan pursuant to Provisions B.3, must be re-evaluated and adapted as new information becomes available to result in more effective and efficient measures to achieve the numeric goals established pursuant to

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Provision B.2.e. Re-evaluation of and modifications to the water quality improvement strategies, if determined to be necessary, must be provided in the applicable Annual Report per F.3.b.(3), and must consider the following:

- (1) Modifications to the priority water quality conditions, and numeric goals and corresponding schedules based on Provision B.5.a;
- (2) Measurable or demonstrable reductions of non-storm water discharges to and from each Copermittee's MS4;
- (3) Measurable or demonstrable reductions of pollutants in ~~storm water~~ discharges from each Copermittee's MS4 to the MEP;
- (4) New information developed when the requirements of Provisions B.2.b and B.2.d have been re-evaluated;
- (5) Efficiency in implementing the Water Quality Improvement Plan;
- (6) San Diego Water Board recommendations; and
- (7) Recommendations for modifications solicited through a public participation process.

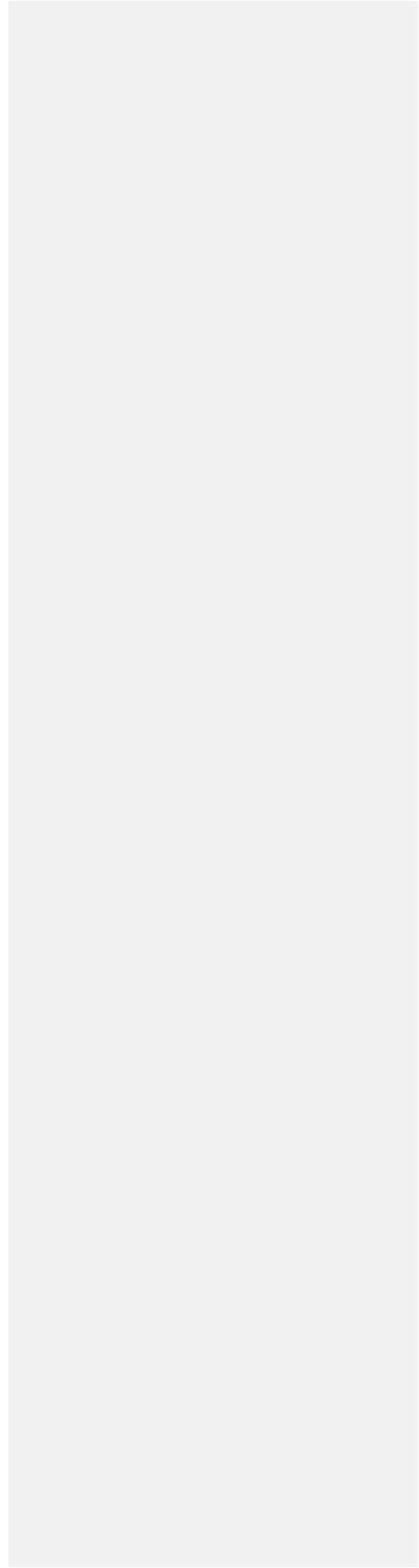
c. ADAPTATION OF MONITORING AND ASSESSMENT PROGRAM

The water quality improvement monitoring and assessment program, included in the Water Quality Improvement Plan pursuant to Provisions B.4, must be re-evaluated and adapted when new information becomes available. Re-evaluation and recommendations for modifications to the monitoring and assessment program, pursuant to the requirements of Provision D, may be provided in the Annual Report, but must be provided in the Report of Waste Discharge.

6. Water Quality Improvement Plan Submittal, Updates, and Implementation

- a. The Copermittees must submit the Water Quality Improvement Plans in accordance with the requirements of Provision F.1.
- b. The Copermittees must submit proposed updates to the Water Quality Improvement Plan for acceptance by the San Diego Water Board Executive Officer in accordance with the requirements of Provision F.2.c.
- c. The Copermittees must commence with implementation of the Water Quality Improvement Plans ~~immediately after acceptance by the San Diego Water Board, in accordance with the schedules, or subsequently updated schedules, within the Water Quality Improvement Plan in accordance with Provision F.1.b.(5).~~

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C. ACTION LEVELS

Comment [A29]: See comment letter section 3.4 for a discussion of the redlines shown herein.

The purpose of this provision is for the Copermitttees to incorporate numeric non-stormwater action levels (NALs) and stormwater action levels (SALs) in the Water Quality Improvement Plans (Provision B), and numeric non-stormwater action levels (NALs) in the Illicit Discharge Detection and Elimination (IDDE) program (Provision E.2.).

- For the purposes of the WQIPs, the goal of the action levels is to guide Water Quality Improvement Plan the implementation efforts and measure progress towards the protection of the identified high priority water quality conditions and associated designated beneficial uses of waters of the state from adverse impacts caused or contributed to by MS4 discharges. This goal will be accomplished through monitoring and assessing the quality of the MS4 discharges during the implementation of the Water Quality Improvement Plans.
- For the purposes of the IDDE program, the goal of the non-stormwater action levels is to assist in determining whether a persistent non-stormwater discharge into or from the MS4 contains pollutants at levels that have the potential to negatively affect the identified high priority water quality conditions.

Action levels will be developed and incorporated into the WQIP (Provision B) and the IDDE Program (Provision E). Depending upon the goals/objectives for the use of the action levels and the priority receiving water conditions, the constituents and values at which they are set may differ between watersheds. Copermitttees may develop Watershed Management Area specific numeric action levels for non-stormwater and stormwater MS4 discharges using an approach approved by the Regional Board or use the default non-stormwater and stormwater action levels prescribed in C.1 and C.2 below.

The Copermitttees will submit the action levels as a part of the WQIP and JRMP submittals. The action levels currently established will serve as the interim action levels until revised action levels are completed and approved. Exceedances of the action levels are not subject to enforcement or non-compliance actions under this Order.

1. Default Non-Storm Water Action Levels⁸

The Copermitttees must develop and incorporate numeric non-storm water action levels (NALs) into the Water Quality Improvement Plan to: 1) support the development and prioritization of water quality improvement strategies for addressing non-storm water discharges to and from the MS4s, 2) assess the effectiveness of the water quality improvement strategies toward addressing MS4

Comment [A30]: As discussed in section 2.4 of the Riverside comment letter.

⁸ NALs are not considered by the San Diego Water Board to be enforceable limitations under this Order.

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~~non-storm water discharges, required pursuant to Provision D.4.b.(1), and 3) support the detection and elimination of non-storm water and illicit discharges to and from the MS4, required pursuant to Provision E.2.⁹~~

- a. The following NALs must be incorporated as applicable to the WMA and the Copermitttees' MS4 discharges,; if the Copermitttees do not establish numeric action levels within the WQIP based on watershed priorities:

(1) Non-Storm Water Discharges from MS4s to Ocean Surf Zone

Table C-1. Non-Storm Water Action Levels for Discharges from MS4s to Ocean Surf Zone

Parameter	Units	AMAL	MDAL	Instantaneous Maximum	Basis
Total Coliform	MPN/100 ml	1,000	-	10,000/1,000 ¹	OP
Fecal Coliform	MPN/100 ml	200 ²	-	400	OP
<i>Enterococci</i>	MPN/100 ml	35	-	104 ³	OP

Abbreviations/Acronyms

AMAL – average monthly action level

OP – Ocean Plan water quality objective

MDAL – maximum daily action level

MPN/100 ml – most probable number per 100 milliliters

Notes:

1. Total coliform density NAL is 1,000 MPN/100 ml when the fecal/total coliform ratio exceeds 0.1.

2. Fecal coliform density NAL is 200 MPN per 100 ml during any 30 day period.

3. This value has been set to the Basin Plan water quality objective for saltwater “designated beach areas.”

~~⁹The Copermitttees may utilize NALs or other benchmarks currently established by the Copermitttees as interim NALs until the Water Quality Improvement Plans are accepted by the San Diego Water Board Executive Officer.~~

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(2) Non-Storm Water Discharges from MS4s to Bays, Harbors, and Lagoons/Estuaries

Table C-2. Non-Storm Water Action Levels for Discharges from MS4s to Bays, Harbors, and Lagoons/Estuaries

Parameter	Units	AMAL	MDAL	Instantaneous Maximum	Basis
Turbidity	NTU	75	-	225	OP
pH	Units	Within limit of 6.0 to 9.0 at all times			OP
Fecal Coliform	MPN/100 ml	200 ¹	-	400 ²	BP
Enterococci	MPN/100 ml	35	-	104 ³	BP
Priority Pollutants	ug/L	See Table C-3			

Abbreviations/Acronyms:

AMAL – average monthly action level
 OP – Ocean Plan water quality objective
 NTU – Nephelometric Turbidity Units
 ug/L – micrograms per liter

MDAL – maximum daily action level
 BP – Basin Plan water quality objective
 MPN/100 ml – most probable number per 100 milliliters

Notes:

1. Based on a minimum of not less than five samples for any 30-day period.
2. The NAL is reached if more than 10 percent of total samples exceed 400 MPN per 100 ml during any 30 day period.
3. This value has been set to the Basin Plan water quality objective for saltwater “designated beach areas” and is not applicable to waterbodies that are not designated with the water contact recreation (REC-1) beneficial use.

Table C-3. Non-Storm Water Action Levels for Priority Pollutants

Parameter	Units	Freshwater (CTR)		Saltwater (CTR)	
		MDAL	AMAL	MDAL	AMAL
Cadmium	ug/L	**	**	16	8
Copper	ug/L	*	*	5.8	2.9
Chromium III	ug/L	**	**	-	-
Chromium VI	ug/L	16	8.1	83	41
Lead	ug/L	*	*	14	2.9
Nickel	ug/L	**	**	14	6.8
Silver	ug/L	*	*	2.2	1.1
Zinc	ug/L	*	*	95	47

Abbreviations/Acronyms:

CTR – California Toxic Rule ug/L – micrograms per liter
 AMAL – average monthly action level MDAL – maximum daily action level

Notes:

- * Action levels developed on a case-by-case basis (see below)
- ** Action levels developed on a case-by-case basis (see below), but calculated criteria are not to exceed Maximum Contaminant Levels (MCLs) under the California Code of Regulations, Title 22, Division 4, Chapter 15, Article 4, Section 64431

The Cadmium, Copper, Chromium (III), Lead, Nickel, Silver and Zinc NALs for MS4 discharges to freshwater receiving waters will be developed on a case-by-case basis because the freshwater criteria are based on site-specific water quality data (receiving water hardness). For these priority pollutants, refer to the following equations (40 CFR 131.38.b.2 for details) will be required:

Cadmium (Total Recoverable) = $\exp(0.7852 \ln(\text{hardness})) - 2.715$
 Chromium III (Total Recoverable) = $\exp(0.8190 \ln(\text{hardness})) + 0.6848$
 Copper (Total Recoverable) = $\exp(0.8545 \ln(\text{hardness})) - 1.702$
 Lead (Total Recoverable) = $\exp(1.273 \ln(\text{hardness})) - 4.705$
 Nickel (Total Recoverable) = $\exp(-8.460 \ln(\text{hardness})) + 0.0584$
 Silver (Total Recoverable) = $\exp(1.72 \ln(\text{hardness})) - 6.52$
 Zinc (Total Recoverable) = $\exp(0.8473 \ln(\text{hardness})) + 0.884$

Comment [A31]: Consistent with SD Permittee recommendations.

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(3) Non-Storm Water Discharges from MS4s to Inland Surface Waters

Table C-4. Non-Storm Water Action Levels for Discharges from MS4s to Inland Surface Waters

Parameter	Units	AMAL	MDAL	Instantaneous Maximum	Basis
Dissolved Oxygen	mg/L	Not less than 5.0 in WARM waters and not less than 6.0 in COLD waters			BP
Turbidity	NTU	-	20	See MDAL	BP
pH	Units	Within limit of 6.5 to 8.5 at all times			BP
Fecal Coliform	MPN/100 ml	200 ¹	-	400 ²	BP
<i>Enterococci</i>	MPN/100 ml	33	-	61 ³	BP
Total Nitrogen	mg/L	-	1.0	See MDAL	BP
Total Phosphorus	mg/L	-	0.1	See MDAL	BP
MBAS	mg/L	-	0.5	See MDAL	BP
Iron	mg/L	-	0.3	See MDAL	BP
Manganese	mg/L	-	0.05	See MDAL	BP
Priority Pollutants	ug/L	See Table C-3			

Abbreviations/Acronyms:

- | | |
|---|---|
| AMAL – average monthly action level | MDAL – maximum daily action level |
| BP – Basin Plan water quality objective | WARM – warm freshwater habitat beneficial use |
| COLD – cold freshwater habitat beneficial use | MBAS – Methylene Blue Active Substances |
| NTU – Nephelometric Turbidity Units | MPN/100 ml – most probable number per 100 milliliters |
| mg/L – milligrams per liter | ug/L – micrograms per liter |

Notes:

1. Based on a minimum of not less than five samples for any 30-day period.
2. The NAL is reached if more than 10 percent of total samples exceed 400 MPN per 100 ml during any 30 day period.
3. This value has been set to the Basin Plan water quality objective for freshwater "designated beach areas" and is not applicable to waterbodies that are not designated with the water contact recreation (REC-1) beneficial use.

b. NALs must be identified, developed and incorporated in the Water Quality Improvement Plan for any pollutants or waste constituents that cause or contribute, or are threatening to cause or contribute to a condition of pollution or nuisance in Receiving waters ~~of the state~~ associated with the highest priority water quality conditions related to non-storm water discharges from the MS4s. NALs must be based on:

- (1) Applicable water quality standards which may be dependent upon site-specific or receiving water-specific conditions or assumptions to be identified by the Copermitttees; or
- (2) Applicable numeric WQBELs required to meet the WLAs established for the TMDLs in Attachment E to this Order.

c. ~~For the NALs incorporated into the Water Quality Improvement Plan, the Copermitttees may develop and incorporate secondary NALs specific to the Watershed Management Area at levels greater than the NALs required by Provisions C.1.a and C.1.b which can be utilized to further refine the prioritization and assessment of water quality improvement strategies for addressing non-~~

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~~storm water discharges to and from the MS4s, as well as the detection and elimination of non-storm water and illicit discharges to and from the MS4. The secondary NALs may be developed using an approach acceptable to the San Diego Water Board.~~

- d. Dry weather monitoring data from MS4 outfalls collected in accordance with Provision D.2.b may be utilized to develop or revise NALs based on watershed-specific data, subject to San Diego Water Board Executive Officer approval.

2. **Default Storm Water Action Levels**¹⁰

The Copermittees must develop and incorporate numeric storm water action levels (SALs) in the Water Quality Improvement Plans to: 1) support the development and prioritization of water quality improvement strategies for reducing pollutants in storm water discharges from the MS4s, and 2) assess the effectiveness of the water quality improvement strategies toward reducing pollutants in storm water discharges, required pursuant to Provision D.4.b.(2).¹¹

- a. The following SALs for discharges of storm water from the MS4 must be incorporated: if the Copermittees do not establish stormwater action levels within the WQIP based on watershed priorities:::

Table C-5. Storm Water Action Levels for Discharges from MS4s to Receiving Waters

Parameter	Units	Action Level
Turbidity	NTU	126
Nitrate & Nitrite (Total)	mg/L	2.6
Phosphorus (Total P)	mg/L	1.46
Cadmium (Total Cd)*	µg/L	3.0
Copper (Total Cu)*	µg/L	127
Lead (Total Pb)*	µg/L	250
Zinc (Total Zn)*	µg/L	976

Abbreviations/Acronyms:
 NTU – Nephelometric Turbidity Units
 mg/L – milligrams per liter
 ug/L – micrograms per liter

Notes:
 * The sampling must include a measure of receiving water hardness at each MS4 outfall. If a total metal concentration exceeds the corresponding metals SAL in Table C-5, that concentration must be compared to the California Toxics Rule criteria and the USEPA 1-hour maximum concentration for the detected level of receiving water hardness associated with that sample. If it is determined that the sample's total metal concentration for that specific metal exceeds that SAL, but does not exceed the applicable USEPA 1-hour maximum concentration criterion for the measured level of hardness, then the sample result will not be considered above the SAL for that measurement.

¹⁰ SALs are not ~~considered by the San Diego Water Board to be~~ enforceable limitations under this Order.

¹¹ The Copermittees may utilize SALs or other benchmarks currently established by the Copermittees as interim SALs until the Water Quality Improvement Plans are accepted by the San Diego Water Board Executive Officer.

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- b. SALs must be identified, developed and incorporated in the Water Quality Improvement Plan for pollutants or waste constituents that cause or contribute, or are threatening to cause or contribute to a condition of pollution or nuisance in Receiving waters ~~of the state~~ associated with the highest water quality priorities related to storm water discharges from the MS4s. SALs must be based on:
 - (1) Federal and State water quality guidance and/or water quality standards; and
 - (2) Site-specific or receiving water-specific conditions; or
 - (3) Applicable numeric WQBELs required to meet the WLAs established for the TMDLs in [Attachment E](#) to this Order.
- c. ~~For the SALs incorporated into the Water Quality Improvement Plan, the Copermitttees may develop and incorporate secondary SALs specific to the Watershed Management Area at levels greater than the SALs required by Provisions C.2.a and C.2.b which can be utilized to further refine the prioritization and assessment of water quality improvement strategies for reducing pollutants in storm water discharges from the MS4s. The secondary SALs may be developed based on the approaches recommended by the State Water Board's Storm Water Panel¹² or using an approach acceptable to the San Diego Water Board.~~
- d. Wet weather monitoring data from MS4 outfalls collected in accordance with Provision [D.2.c](#) may be used to develop or revise SALs based upon watershed-specific data, subject to San Diego Water Board Executive Officer approval.

¹²~~Storm Water Panel Recommendations to the California State Water Resources Control Board: The Feasibility of Numeric Effluent Limits Applicable to Discharges of Storm Water Associated with Municipal, Industrial and Construction Activities (June 2006)~~

Riverside Copermittee Redlines**D. MONITORING AND ASSESSMENT PROGRAM REQUIREMENTS**

Comment [A32]: See discussion in section 3.5 of the comment letter.

The purpose of this provision is for the Copermittees to monitor and assess the impact on the chemical, physical, and biological conditions of receiving waters caused by discharges from the Copermittees' MS4s under wet weather and dry weather conditions. The goal of the monitoring and assessment program is to inform the Copermittees about the nexus between the health of receiving waters and the water quality condition of the discharges from their MS4s to those receiving waters. This goal will be accomplished through monitoring and assessing the conditions of the receiving waters, discharges from the MS4s to those receiving waters, pollutant sources and/or stressors, and effectiveness of the water quality improvement strategies implemented as part of the Water Quality Improvement Plans.

1. Receiving Water Monitoring Requirements

The Copermittees must develop and conduct a program to monitor the condition of the receiving waters in each Watershed Management Area during dry weather and wet weather. Following acceptance of the Water Quality Improvement Plans for each Watershed Management Area, the Copermittees must conduct long-term receiving water monitoring during implementation of the Water Quality Improvement Plan to assess the long term trends and determine if water quality conditions in receiving waters are improving. Any available monitoring data not collected specifically for this Order that meet the quality assurance criteria of the Copermittees and the monitoring requirements of this Order may be utilized by the Copermittees. The Copermittees must conduct the following receiving water monitoring procedures:

a. TRANSITIONAL RECEIVING WATER MONITORING

Beginning October 1st or May 1st (whichever is sooner) following enrollment under this order and until the monitoring requirements of Provisions D.1.b-e are incorporated into a Water Quality Improvement Plan that is accepted by the San Diego Water Board pursuant to Provision F.1, the Copermittees must conduct the following receiving water monitoring in the Watershed Management Area:

- (1) Continue the receiving water monitoring programs required in Order Nos. R9-2007-0001, (Attachment A, Section II. A. 1-5), R9-2009-0002, and R9-2010-0016;
- (2) Continue the monitoring in the Hydromodification Management Plans approved by the San Diego Water Board;
- (3) Participate in the following regional receiving water monitoring programs, as applicable to the Watershed Management Area and each Copermittees' MS4 discharges:

Comment [A33]: See discussion in section 3.5.3 of the comment letter.

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- (a) Storm Water Monitoring Coalition Regional Monitoring,
- (b) Southern California Bight Regional Monitoring, and
- (c) Sediment Quality Monitoring;
- (4) Implement the monitoring programs developed as part of any implementation plans or load reduction plans (e.g. Bacteria Load Reduction Plans, Comprehensive Load Reduction Plans) for the TMDLs in [Attachment E](#) to this Order; and
- (5) For Watershed Management Areas with ASBS, implement the monitoring requirements of Attachment B to State Water Board Resolution No. 2012-0012, included in [Attachment A](#) to this Order.

b. LONG-TERM RECEIVING WATER MONITORING STATIONS

The Copermittees must select at least one long-term receiving water monitoring station from among the existing mass loading stations, temporary watershed assessment stations, bioassessment stations, and stream assessment stations previously established by the Copermittees to be representative of the receiving water quality in the Watershed Management Area. Additional or alternative long-term receiving water monitoring stations ~~may~~**must** be selected where necessary to support the implementation and adaptation of the Water Quality Improvement Plan.

Comment [A34]: See discussion in section 3.5.3 of the comment letter.

c. DRY WEATHER RECEIVING WATER MONITORING

During the term of the Order, the Copermittees must perform monitoring during at least three dry weather monitoring events at each of the long-term receiving water monitoring stations. At least one monitoring event must be conducted during the dry season (May 1 – September 30) and at least one monitoring event must be conducted during a dry weather period during the wet season (October 1 – April 30), after the first wet weather event of the season, with an antecedent dry period of at least 72 hours following a storm event producing measureable rainfall of greater than 0.1 inch.

(1) Dry Weather Receiving Water Field Observations

For each dry weather monitoring event, the Copermittees must record field observations consistent with [Table D-1](#) at each long-term receiving water monitoring station.

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Table D-1. Field Observations for Receiving Water Monitoring Stations

Field Observations
<ul style="list-style-type: none"> • Station identification and location • Presence of flow, or pooled or ponded water • If flow is present: <ul style="list-style-type: none"> - Flow estimation (i.e. width of water surface, approximate depth of water, approximate flow velocity, flow rate) - Flow characteristics (i.e. presence of floatables, surface scum, sheens, odor, color) • If pooled or ponded water is present: <ul style="list-style-type: none"> - Characteristics of pooled or ponded water (i.e. presence of floatables, surface scum, sheens, odor, color) • <u>Assessment of any observed connectivity of MS4 discharges to a flowing receiving water.</u> • Station description (i.e. deposits or stains, vegetation condition, structural condition, and observable biology) • Presence and assessment of trash in and around station

Comment [A35]: See discussion in section 3.5.3 of the comment letter.

(2) Dry Weather Receiving Water Field Monitoring

For each dry weather monitoring event, if conditions allow the collection of the data, the Copermittees must monitor and record the parameters in [Table D-2](#) at each long-term receiving water monitoring station.

Table D-2. Field Monitoring Parameters for Receiving Water Monitoring Stations

Parameters
<ul style="list-style-type: none"> • pH • Temperature • Specific conductivity • Dissolved oxygen • Turbidity

(3) Dry Weather Receiving Water Analytical Monitoring

For each dry weather monitoring event, the Copermittees must collect and analyze samples from each long-term receiving water monitoring station as follows:

- (a) Analytes that are field measured are not required to be analyzed by a laboratory;
- (b) The Copermittees must implement consistent sample collection methods for regional comparability of data, unless site-specific conditions indicate the need for alternate methods;
- (c) Grab samples may be collected for pH, temperature, specific conductivity,

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dissolved oxygen, turbidity, hardness, and indicator bacteria. **Grab samples may also be collected for the analyses described in (f) where MS4 discharge runoff constitutes less than ten percent of the flow;**

- (d) For all other constituents **where runoff constitutes more than ten percent of the flow**, composite samples must be collected for a duration adequate to be representative of changes in pollutant concentrations and runoff flows using one of the following techniques:
 - (i) Time-weighted composites composed of 24 discrete hourly samples, which may be collected through the use of automated equipment, or
 - (ii) Flow-weighted composites collected over a typical 24-hour period, which may be collected through the use of automated equipment;
- (e) Only one analysis of the composite of aliquots is required;
- (f) Analysis for the following constituents is required:
 - (i) Constituents contributing to the highest priority water quality conditions identified in the Water Quality Improvement Plan,
 - (ii) Constituents listed as a cause for impairment of receiving waters in the Watershed Management Area listed on the CWA section 303(d) List,
 - (iii) Constituents for implementation plans or load reduction plans (e.g. Bacteria Load Reduction Plans, Comprehensive Load Reduction Plans) developed for watersheds where the Copermittees are listed responsible parties under the TMDLs in **Attachment E** to this Order,
 - (iv) Applicable NAL constituents, and
 - (v) Constituents listed in **Table D-3**.

Comment [A36]: The receiving water stations in Riverside County either do not receive runoff from MS4 discharges or receive de minimus flows during dry weather conditions. The flow at these stations during dry weather consists virtually entirely of rising groundwater. Background receiving water quality conditions in such cases composite samples of receiving waters not affected by MS4 discharges is not warranted.

Table D-3. Analytical Monitoring Constituents for Receiving Water Monitoring Stations

Conventionals, Nutrients	Metals (Total and Dissolved)	Pesticides	Indicator Bacteria
<ul style="list-style-type: none"> • Total Dissolved Solids • Total Suspended Solids • Turbidity • Total Hardness • Total Organic Carbon • Dissolved Organic Carbon • Sulfate • Methylene Blue Active Substances (MBAS) • Total Phosphorus • Orthophosphate • Nitrite¹ 	<ul style="list-style-type: none"> • Arsenic • Cadmium • Chromium • Copper • Iron • Lead • Mercury • Nickel • Selenium • Thallium • Zinc 	<ul style="list-style-type: none"> • Organophosphate Pesticides • Pyrethroid Pesticides 	<ul style="list-style-type: none"> • Total Coliform • Fecal Coliform² • <i>Enterococcus</i>

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<ul style="list-style-type: none"> • Nitrate¹ • Total Kjeldhal Nitrogen • Ammonia 			
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Notes:
 1. Nitrite and nitrate may be combined and reported as nitrite+nitrate.
 2. *E. Coli* may be substituted for Fecal Coliform.

(4) Dry Weather Receiving Water Toxicity Monitoring

For each dry weather monitoring event, the Copermitttees must collect grab or composite samples from each long-term receiving water monitoring station to be analyzed for toxicity in accordance with [Table D-4](#):

Table D-4. Dry Weather Toxicity Testing for Receiving Water Monitoring Stations

Freshwater Organism	Test Approach	USEPA Protocol ²
<i>Pimephales promelas</i>	1 acute 1 chronic ¹	EPA-821-R-02-012
<i>Hyalella Azteca</i>	1 acute 1 chronic ¹	EPA-821-R-02-012
<i>Psuedokirchneriella subcapitata</i>	1 acute 1 chronic ¹	EPA-821-R-02-013

Notes:
 1. Chronic toxicity testing is not required at receiving water monitoring stations located at mass loading stations if the channel flows are diverted year-round during dry weather conditions to the sanitary sewer for treatment.
 2. USEPA protocols must be utilized for toxicity testing unless alternate toxicity testing protocols have been approved by the San Diego Water Board.

(5) Dry Weather Receiving Water Bioassessment Monitoring

Bioassessment monitoring for each long-term receiving water monitoring station is required at least once during the term of this Order. The Copermitttees must conduct bioassessment monitoring during at least one dry weather monitoring event at each long-term receiving water monitoring station as follows:

- (a) The following bioassessment samples and measurements must be collected:
 - (i) Macroinvertebrate samples must be collected in accordance with the “Reachwide Benthos (Multihabitat) Procedure” in the most current Surface Water Ambient Monitoring Program (SWAMP) Bioassessment Standard Operating Procedures (SOP), and amendments, as applicable;¹³
 - (ii) The “Full” suite of physical habitat characterization measurements

¹³ Ode, P.R.. 2007. Standard operating procedures for collecting macroinvertebrate samples and associated physical and chemical data for ambient bioassessments in California. California State Water Resources Control Board Surface Water Ambient Monitoring Program (SWAMP) Bioassessment SOP 001. http://www.swrcb.ca.gov/water_issues/programs/swamp/tools.shtml#monitoring

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must be collected in accordance with the most current SWAMP Bioassessment SOP, and as summarized in the SWAMP Stream Habitat Characterization Form – Full Version,¹⁴ and

(iii) Freshwater algae samples must be collected in accordance with the SWAMP Standard Operating Procedures for Collecting Algae Samples.¹⁵ Analysis of samples must include algal taxonomic composition (diatoms and soft algae) and algal biomass.

(b) The bioassessment samples, measurements, and appropriate water chemistry data must be used to calculate the following:

(i) An Index of Biological Integrity (IBI) for macroinvertebrates for each monitoring station where bioassessment monitoring was conducted, based on the most current calculation method;¹⁶ and

(ii) An IBI for algae for each monitoring station where bioassessment monitoring was conducted, when a calculation method is developed.¹⁷

(c) In lieu of the requirements of Provision [D.1.c.\(5\)\(a\)](#), the Copermittees may conduct the bioassessment monitoring in accordance with the “Triad” assessment approach¹⁸ to calculate the IBIs required for Provision [D.1.c.\(5\)\(b\)](#). The Copermittees must conduct sampling, analysis, and reporting of specified in-stream biological and habitat data according to the protocols specified in the SCCWRP Technical Report No. 539, or subsequent protocols, if developed.

(6) Dry Weather Receiving Water Hydromodification Monitoring

In addition to the hydromodification monitoring conducted as part of the Copermittees’ Hydromodification Management Plans, hydromodification monitoring for each long-term receiving water monitoring station is required at least once during the term of this Order. The Copermittees must collect the

¹⁴ Available at:

http://www.waterboards.ca.gov/water_issues/programs/swamp/docs/reports/fieldforms_fullversion052908.pdf

¹⁵ Fetscher et al. 2009. Standard Operating Procedures for Collecting Stream Algae Samples and Associated Physical Habitat and Chemical Data for Ambient Bioassessments in California.

¹⁶ The most current calculation method at the time the Order was adopted is outlined in “A Quantitative Tool for Assessing the Integrity of Southern California Coastal Streams” (Ode, et al. 2005. Environmental Management. Vol. 35, No. 1, pp. 1-13). If an updated or new calculation method is developed, either both (i.e. current and updated/new) methods must be used, or historical IBIs must be recalculated with the updated or new calculation method.

¹⁷ When a calculation method is developed, IBIs must be calculated for all available and appropriate historical data.

¹⁸ Stormwater Monitoring Coalition Model Monitoring Technical Committee, 2004. Model Monitoring Program for Municipal Separate Storm Sewer Systems in Southern California. Technical Report #419. August 2004.

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following hydromodification monitoring observations and measurements within an appropriate domain of analysis during at least one dry weather monitoring event for each long-term receiving water monitoring station:

- (a) Channel conditions, including:
 - (i) Channel dimensions,
 - (ii) Hydrologic and geomorphic conditions, and
 - (iii) Presence and condition of vegetation and habitat;
- (b) Location of discharge points;
- (c) Habitat integrity;
- (d) Photo documentation of existing erosion and habitat impacts, with location (i.e. latitude and longitude coordinates) where photos were taken;
- (e) Measurement or estimate of dimensions of any existing channel bed or bank eroded areas, including length, width, and depth of any incisions; and
- (f) Known or suspected cause(s) of existing downstream erosion or habitat impact, including flow, soil, slope, and vegetation conditions, as well as upstream land uses and contributing new and existing development.

d. WET WEATHER RECEIVING WATER MONITORING

During the term of the Order, the Copermitttees must perform monitoring during at least three wet weather monitoring events at each long-term receiving water monitoring station. At least one wet weather monitoring event must be conducted during the first wet weather event of the wet season (October 1 – April 30), and at least one wet weather monitoring event during a wet weather event that occurs after February 1.

(1) Wet Weather Receiving Water Field Observations

For each wet weather monitoring event, the following narrative descriptions and observations must be recorded at each long-term receiving water monitoring station:

- (a) A narrative description of the station that includes the location, date and duration of the storm event(s) sampled, rainfall estimates of the storm event, and the duration between the storm event sampled and the end of the previous measurable (greater than 0.1 inch rainfall) storm event;
- (b) The flow rates and volumes measured or estimated (data from nearby

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USGS gauging stations may be utilized, or flow rates may be measured or estimated in accordance with the [USEPA Storm Water Sampling Guidance Document](#) (EPA-833-B-92-001), section 3.2.1, or other method proposed by the Copermitttees that is acceptable to the San Diego Water Board);

(c) Station condition (i.e. deposits or stains, vegetation condition, structural condition, observable biology); and

(d) Presence and assessment of trash in and around station.

(2) Wet Weather Receiving Water Field Monitoring

For each wet weather monitoring event, the Copermitttees must monitor and record the parameters in [Table D-2](#) at each long-term receiving water monitoring station.

(3) Wet Weather Receiving Water Analytical Monitoring

For each wet weather monitoring event, the Copermitttees must collect and analyze samples from each long-term receiving water monitoring station as follows:

(a) Analytes that are field measured are not required to be analyzed by a laboratory;

(b) The Copermitttees must implement consistent sample collection methods for regional comparability of data, unless site-specific conditions indicate the need for alternate methods;

(c) Grab samples may be collected for pH, temperature, specific conductivity, dissolved oxygen, turbidity, hardness, and indicator bacteria;

(d) For all other constituents, composite samples must be collected for a duration adequate to be representative of changes in pollutant concentrations and runoff flows using one of the following techniques:

(i) Time-weighted composites composed of 24 discrete hourly samples, which may be collected through the use of automated equipment, or

(ii) Flow-weighted composites collected over the length of the storm event or a typical 24-hour period, which may be collected through the use of automated equipment;

(e) Only one analysis of the composite of aliquots is required;

(f) Analysis for the following constituents is required:

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- (i) Constituents contributing to the highest priority water quality conditions identified in the Water Quality Improvement Plan,
- (ii) Constituents listed as a cause for impairment of receiving waters in the Watershed Management Area listed on the CWA section 303(d) List,
- (iii) Constituents for implementation plans or load reduction plans (e.g. Bacteria Load Reduction Plans, Comprehensive Load Reduction Plans) developed for watersheds where the Copermitees are listed responsible parties under the TMDLs in Attachment E to this Order,
- (iv) Applicable SAL constituents, and
- (v) Constituents listed in Table D-3.

(4) Wet Weather Receiving Water Toxicity Monitoring

For each wet weather monitoring event, the Copermitees must collect grab or composite samples from each long-term receiving water monitoring station to be analyzed for toxicity in accordance with Table D-5:

Table D-5. Wet Weather Toxicity Testing for Receiving Water Monitoring Stations

Freshwater Organism	Test Approach	USEPA Protocol ¹
<i>Pimephales promelas</i>	1 acute	EPA-821-R-02-012
<i>Hyalella Azteca</i>	1 acute	EPA-821-R-02-012
<i>Psuedokirchneriella subcapitata</i>	1 acute	EPA-821-R-02-013

Notes:
 1. USEPA protocols must be utilized for toxicity testing unless alternate toxicity testing protocols have been approved by the San Diego Water Board.

e. OTHER RECEIVING WATER MONITORING REQUIREMENTS

(1) Regional Monitoring

The Copermitees must participate in the following regional receiving waters monitoring programs, as applicable to the Watershed Management Area and the Copermitee's MS4 discharges:

- (a) Storm Water Monitoring Coalition Regional Monitoring; and
- (b) Southern California Bight Regional Monitoring.

(2) Sediment Quality Monitoring

The applicable Copermitees must perform sediment monitoring to assess compliance with sediment quality receiving water limits applicable to MS4

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discharges to enclosed bays and estuaries. The monitoring may be performed either by individual or multiple affected Copermitees to assess compliance with receiving water limits, or through participation in a water body monitoring coalition. The Copermitees must identify sediment sampling stations that are spatially representative of the sediment within the water body segment or region of interest. Sediment quality monitoring must be conducted in conformance with the monitoring requirements set forth in the State Water Board Sediment Quality Control Plan.

(3) ASBS Monitoring

For Watershed Management Areas with ASBS, the applicable Copermitees must implement the monitoring requirements of Attachment B to State Water Board Resolution No. 2012-0012, included in Attachment A to this Order.

f. ALTERNATIVE WATERSHED MONITORING REQUIREMENTS

The San Diego Water Board may direct the Copermitees to participate in an effort to develop alternative watershed monitoring with other regulated entities, other interested parties, and the San Diego Water Board to refine, coordinate, and implement regional monitoring and assessment programs to determine the status and trends of water quality conditions in 1) coastal waters, 2) enclosed bays, harbors, estuaries, and lagoons, and/or 3) streams. As directed by the San Diego Water Board, such alternative watershed monitoring would be done in place and stead of the commensurate requirements set forth in Provision D.1.

2. MS4 Outfall Discharge Monitoring Requirements

The Copermitees must develop and conduct a program to monitor the discharges from the major MS4 outfalls to receiving waters in each Watershed Management Area during dry weather and wet weather. Following acceptance of the Water Quality Improvement Plans and schedule for implementation of monitoring for each Watershed Management Area, the Copermitees must conduct MS4 outfall discharge monitoring during implementation of the Water Quality Improvement Plan to assess the effectiveness of their jurisdictional runoff management programs toward effectively prohibiting non-storm water discharges into the MS4 and reducing pollutants in storm water discharges to and from their MS4s to the MEP. Any available monitoring data not collected specifically for this Order that meet the quality assurance criteria of the Copermitees and the monitoring requirements of this Order may be utilized by the Copermitees. The Copermitees must conduct the following MS4 outfall monitoring procedures:

Comment [A37]: Suggest same edits for SD and OC.

a. TRANSITIONAL MS4 OUTFALL DISCHARGE MONITORING

Beginning October 1st or May 1st (whichever is sooner) following enrollment under this order and until the monitoring requirements of Provisions D.2.b-c

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are incorporated into a Water Quality Improvement Plan and schedule for implementation of monitoring that is accepted by the San Diego Water Board pursuant to Provision F.1, the Copermitttees must conduct the following monitoring of MS4 outfall discharges to flowing receiving waters-monitoring in the Watershed Management Area:

(1) MS4 Outfall Discharge Monitoring Station Inventory

Each Municipal Copermitttee must identify all major MS4 outfalls (including those operated by a Special District Copermitttee) that discharge directly to receiving waters within its jurisdiction and geo-locate those outfalls on a map of the MS4 pursuant to Provision E.2.b.(1). This information must be compiled into a MS4 outfall discharge monitoring station inventory, and must include the following information:

- (a) Latitude and longitude of MS4 outfall point of discharge;
- (b) Watershed Management Area;
- (c) Hydrologic subarea;
- (d) Outlet size;
- (e) Accessibility (i.e. safety and without disturbance of critical habitat);
- (f) Approximate drainage area; and
- (g) Classification of whether the MS4 outfall is known to have persistent dry weather flows, transient dry weather flows, no dry weather flows, or unknown dry weather flows.

(2) Transitional Dry Weather MS4 Outfall ~~Discharge~~ Field Screening ~~Monitoring~~

Until the monitoring requirements of Provision D.2.b are incorporated into a Water Quality Improvement Plan that is accepted by the San Diego Water Board pursuant to Provision F.1, each Municipal Copermitttee must perform the following dry weather MS4 outfall field screening monitoring to identify non-storm water and illicit discharges being discharged from MS4s within its jurisdiction in accordance with Provision E.2.c, to determine which discharges are transient ~~flows~~ and which are persistent discharges to flowing receiving watersflows, and prioritize the dry weather MS4 discharges that will be investigated and eliminated in accordance with Provision E.2.d. Each Copermitttee must conduct the following dry weather MS4 outfall discharge field screening monitoring within its jurisdiction:

Comment [A38]: Suggested change of title to better characterize the requirements of this section, compared to that of D.2.b.

Comments in this section are discussed in section 3.5.3 of the comment letter.

Comment [A39]: Duplicative of previous sentence

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(a) Transitional Dry Weather MS4 Outfall Discharge Field Screening Monitoring Frequency

Each Municipal Copermitttee must field screen the accessible MS4 outfalls in its inventory developed pursuant to Provision D.2.a.(1) as follows:

- (i) ~~For Copermitttees with less than 125 major MS4 outfalls that discharge to receiving waters within a Watershed Management Area, at least 80 percent of the outfalls must be visually inspected two times per year during dry weather conditions.~~
- (ii) For Municipal Copermitttees with ~~125 major MS4 outfalls or more, but~~ less than or equal to 500 MS4 outfalls, that discharge to receiving waters within a Watershed Management Area, ~~all~~ at least 80 percent of the accessible outfalls must be visually inspected at least annually during dry weather conditions.
- (iii) For Municipal Copermitttees with more than 500 major MS4 outfalls that discharge to receiving waters within a Watershed Management Area, at least 500 outfalls must be visually inspected at least annually during dry weather conditions. Copermitttees with more than 500 major MS4 outfalls within a Watershed Management Area must identify and prioritize at least 500 outfalls to be inspected considering the following:
 - [a] Assessment of connectivity of the discharge to a flowing receiving water;
 - [b] Reported exceedances of NALs in water quality monitoring data;
 - [c] Surrounding land uses;
 - [d] Presence of constituents listed as a cause for impairment of receiving waters in the Watershed Management Area listed on the CWA section 303(d) List; and
 - [e] Flow rate.
- (iv) Municipal Copermitttees with more than 500 major MS4 outfalls within its jurisdiction that are located in more than one Watershed Management Area, at least 500 major MS4 outfalls within its inventory must be visually inspected at least annually during dry weather conditions. Copermitttees with more than 500 major MS4 outfalls in more than one Watershed Management Area must identify and prioritize at least 500 outfalls to be inspected considering the following:
 - [a] Assessment of connectivity of the discharge to a flowing receiving water;
 - [b] Reported exceedances of NALs in water quality monitoring data;
 - [c] Surrounding land uses;

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- [d] Presence of constituents listed as a cause for impairment of receiving waters in the Watershed Management Area listed on the CWA section 303(d) List; and
- [e] Flow rate.
- (v) Inspections of major MS4 outfalls conducted in response to public reports and staff or contractor reports and notifications may count toward the required visual inspections of MS4 outfall discharge monitoring stations.
- (b) Transitional Dry Weather MS4 Outfall Discharge Field Screening Visual Observations
 - (i) An antecedent dry period of at least 72 hours following any storm event producing measurable rainfall greater than 0.1 inch is required prior to conducting field screening visual observations during a field screening monitoring event.
 - (ii) During the field screening monitoring event, each Municipal Copermittee must record visual observations consistent with Table D-6 at each MS4 outfall discharge monitoring station inspected.

Table D-6. Field Screening Visual Observations for MS4 Outfall Discharge Monitoring Stations

Field Observations
<ul style="list-style-type: none"> • Station identification and location • Presence of flow, or pooled or ponded water • If flow is present: <ul style="list-style-type: none"> - Flow estimation (i.e. width of water surface, approximate depth of water, approximate flow velocity, flow rate) - Flow characteristics (i.e. presence of floatables, surface scum, sheens, odor, color) - Flow source(s) suspected or identified from non-storm water source investigation - Flow source(s) eliminated during non-storm water source identification • If pooled or ponded water is present: <ul style="list-style-type: none"> - Characteristics of pooled or ponded water (i.e. presence of floatables, surface scum, sheens, odor, color) - Known or suspected source(s) of pooled or ponded water • <u>Assessment of any observed MS4 discharge with-to a flowing receiving water.</u> • Station description (i.e. deposits or stains, vegetation condition, structural condition, observable biology) • Presence and assessment of trash in and around station • Evidence or signs of illicit connections or illegal dumping

- (iii) Each Municipal Copermittee must implement the requirements of Provisions E.2.d.(2)(c)-(e) based on the field observations.
- (iv) Each Copermittee must evaluate field observations together with existing information available from prior reports, inspections and monitoring results to determine whether any observed flowing,

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pooled, or ponded waters are likely to be transient or persistent flow.¹⁹

Comment [A40]: See footnote edits

(c) Transitional Dry Weather MS4 Outfall Discharge Field Screening
~~Monitoring~~ Records

Based upon the results of the transitional dry weather MS4 outfall discharge field screening monitoring conducted pursuant to Provisions D.2.a.(2)(a)-(b), each Municipal Copermittee must update its MS4 outfall discharge monitoring station inventory, compiled pursuant to Provision D.2.a.(1), with any new information on the classification of whether the MS4 outfall produces persistent flow, transient flow, or no dry weather flow.

(3) Transitional Wet Weather MS4 Outfall Discharge Monitoring

Comment [A41]: See discussion in section 3.5.3 of the comment letter.

Until the monitoring requirements of Provision D.2.c are incorporated into a Water Quality Improvement Plan that is accepted by the San Diego Water Board pursuant to Provision F.1, the Copermittees must conduct the following wet weather MS4 outfall discharge monitoring within the Watershed Management Area:

(a) Transitional Wet Weather MS4 Outfall Discharge Monitoring Stations

The Copermittees must select at least five wet weather MS4 outfall discharge monitoring stations from the inventories developed pursuant to Provision D.2.a.(1) that are representative of storm water discharges from areas consisting primarily of residential, commercial, industrial, and typical mixed-use land uses present within the Watershed Management Area.

(b) Transitional Wet Weather MS4 Outfall Discharge Monitoring Frequency

Each wet weather MS4 outfall discharge monitoring station selected pursuant to Provision D.2.a.(3)(a) must be monitored twice during the wet season (October 1 – April 30) ~~in the transitional period. The~~ ~~One~~ wet weather monitoring ~~event~~ events shall be selected to be representative of the range of hydrologic conditions experienced in the region. At least 10% of samples ~~event~~ must be conducted during the first wet weather event of the wet season, ~~and to include and one wet weather monitoring event at least one such sample in each Watershed Management Area, a month after the first wet weather event of the wet season.~~

¹⁹ Persistent flow, for the purposes of provision II.D.2.b.(2) is defined as the presence of an MS4 discharge that is hydraulically connected to a flowing receiving, pooled, or ponded water more than 72 hours after a measureable rainfall event of 0.1 inch or greater, during three consecutive monitoring and/or inspection events. All other flowing, pooled, or ponded water is considered transient.

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(c) Transitional Wet Weather MS4 Outfall Discharge Field Observations

For each wet weather monitoring event, the following narrative descriptions and observations must be recorded ~~of the flow from~~ each wet weather MS4 outfall discharge monitoring station:

- (i) A narrative description of the station that includes the location, date and duration of the storm event(s) sampled, rainfall estimates of the storm event, and the duration between the storm event sampled and the end of the previous measurable (greater than 0.1 inch rainfall) storm event; and
- (ii) The flow rates and volumes measured or estimated ~~from the outfall~~ (data from nearby USGS gauging stations may be utilized, or flow rates may be measured or estimated in accordance with the [USEPA Storm Water Sampling Guidance Document](#) (EPA-833-B-92-001), section 3.2.1, or other method proposed by the Copermitees that is acceptable to the San Diego Water Board);
- (iii) ~~Station condition (i.e. deposits or stains, vegetation condition, structural condition, observable biology); and~~
- (iv) Presence ~~and assessment~~ of trash in and around station.

Comment [A42]: This isn't appropriate for a wet weather event.

Comment [A43]: This isn't appropriate for a wet weather event.

(d) Transitional Wet Weather MS4 Outfall Discharge Field Monitoring

For each wet weather monitoring event, the Copermitees must monitor and record the parameters in [Table D-2](#) at each wet weather MS4 outfall discharge monitoring station.

(e) Transitional Wet Weather MS4 Outfall Discharge Analytical Monitoring

For each wet weather monitoring event, the Copermitees must collect and analyze samples from each wet weather MS4 outfall discharge monitoring station as follows:

- (i) Analytes that are field measured are not required to be analyzed by a laboratory;
- (ii) The Copermitees must implement consistent sample collection methods for regional comparability of data, unless site-specific conditions indicate the need for alternate methods;
- (iii) Grab samples may be collected for pH, temperature, specific conductivity, dissolved oxygen, turbidity, and indicator bacteria;
- (iv) For all other constituents, composite samples must be collected for a duration adequate to be representative of changes in pollutant

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concentrations and runoff flows using one of the following techniques:

- [a] Time-weighted composites composed of 24 discrete hourly samples, which may be collected through the use of automated equipment, or
 - [b] Flow-weighted composites collected over the length of the storm event or a typical 24 hour period, whichever is shorter, which may be collected through the use of automated equipment, or
 - [c] If automated compositing is not feasible, a composite sample may be collected using a minimum of 4 grab samples, collected during the first 24 hours of the storm water discharge, or for the entire storm water discharge if the storm event is less than 24 hours;
- (v) Only one analysis of the composite of aliquots is required;
- (vi) The samples must be analyzed for the following constituents:
- [a] Constituents listed as a cause for impairment of receiving waters in the Watershed Management Area listed on the CWA section 303(d) List,
 - [b] Constituents for implementation plans or load reduction plans (e.g. Bacteria Load Reduction Plans, Comprehensive Load Reduction Plans) developed for watersheds where the Copermitttees are listed responsible parties under the TMDLs in [Attachment E](#) to this Order, and
 - [c] Constituents listed in in [Table D-7](#).

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Table D-7. Analytical Monitoring Constituents for Wet Weather MS4 Outfall Discharge Monitoring Stations

Conventionals, Nutrients	Metals (Total and Dissolved)	Indicator Bacteria
<ul style="list-style-type: none"> • Total Dissolved Solids • Total Suspended Solids • Turbidity • Total Hardness • Total Organic Carbon • Dissolved Organic Carbon • Sulfate • Methylene Blue Active Substances (MBAS) • Total Phosphorus • Orthophosphate • Nitrite¹ • Nitrate¹ • Total Kjeldhal Nitrogen • Ammonia 	<ul style="list-style-type: none"> • Arsenic • Cadmium • Chromium • Copper • Iron • Lead • Nickel • Selenium • Thallium • Zinc 	<ul style="list-style-type: none"> • Total Coliform • Fecal Coliform² • <i>Enterococcus</i>

Notes:
 1. Nitrite and nitrate may be combined and reported as nitrite+nitrate.
 2. *E. Coli* may be substituted for Fecal Coliform.

(f) Other Transitional Wet Weather MS4 Outfall Discharge Monitoring

The San Diego County Copermittees must continue the wet weather MS4 outfall monitoring program developed under Order No. R9-2007-0001, as approved by the San Diego Water Board, through its planned completion.

b. DRY WEATHER MS4 OUTFALL DISCHARGE MONITORING

Each Municipal Copermittee must perform the following dry weather MS4 outfall monitoring within its jurisdiction to identify non-storm water and illicit discharges within its jurisdiction pursuant to Provision E.2.c, and to prioritize the dry weather MS4 discharges that will be investigated and eliminated pursuant to Provision E.2.d. ~~Each Copermittee must conduct the following dry weather MS4 outfall discharge monitoring within its jurisdiction:~~

Comment [A44]: Repetitive of previous sentence

(1) Dry Weather MS4 Outfall Discharge Field Screening Monitoring

Comment [A45]: See discussion in section 3.5.3 of the comment letter.

Each Municipal Copermittee must continue to perform the dry weather MS4 outfall discharge field screening monitoring in accordance with the requirements of Provision D.2.a.(2). ~~The~~ however the Municipal Copermittee may adjust the field screening monitoring frequencies and locations for the MS4 outfalls in its inventory, as needed, to identify and eliminate sources of persistent ~~flow~~ non-storm water illegal discharges from the MS4 to flowing receiving waters in accordance with the highest priority water quality conditions identified in the Water Quality Improvement Plan. ~~;~~ provided the

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~~number of visual inspections performed is equivalent to the number of visual inspections required under Provision D.2.a.(2)(a).~~

Comment [A46]: See comments in comment letter

(2) Non-Storm Water Persistent Flow MS4 Outfall Discharge Monitoring

Each Municipal Copermitttee must perform the following non-storm water monitoring of MS4 outfalls that ~~persistently flow MS4 outfall~~ discharge to flowing receiving waters monitoring to determine which persistent non-storm water discharges contain concentrations of pollutants below NALs, and which persistent non-storm water discharges impact receiving water quality during dry weather. ~~Each Copermitttee must conduct the following non-storm water persistent flow MS4 outfall discharge monitoring within its jurisdiction.~~

Comment [A47]: Repetitive of previous sentence.

(a) Prioritization of Non-Storm Water Persistent Flow MS4 Outfalls

Based upon the dry weather MS4 outfall discharge field screening monitoring records developed pursuant to Provision D.2.a.(2)(c), each Municipal Copermitttee must identify and prioritize the MS4 outfalls within its jurisdiction that have ~~with~~ persistent discharges to flowing receiving waters flows based on the highest priority water quality conditions identified in the Water Quality Improvement Plan and any additional criteria developed by the Copermitttee, which may include historical data and data from sources other than what the Copermitttee collects.

(b) Non-Storm Water Persistent Flow MS4 Outfall Discharge Monitoring Frequency

Comment [A48]: See comment letter section 3.5.3

(i) Based on the prioritization of major MS4 outfalls developed under Provision D.2.b.(2)(a), each Municipal Copermitttee must identify, at a minimum, the top 10 percent of the ~~40~~ highest priority major MS4 outfalls with non-storm water persistent flows that the Copermitttee will monitor within each Watershed Management Area within its jurisdiction, with a minimum of one persistent flow discharge outfall, and a maximum of 5 required per WMA. The location of the selected highest priority non-storm water persistent flow discharge MS4 outfall monitoring stations must be identified on the map required pursuant to Provision E.2.b.(1).

(ii) Each of the highest priority non-storm water persistent flow MS4 outfall monitoring stations identified pursuant to Provision D.2.b.(2)(b)(i) must be monitored under dry weather conditions at least ~~semi~~-annually until one of the following occurs:

[a] The non-storm water discharges have been effectively eliminated (i.e. no flowing, pooled, or ponded water) for three consecutive dry weather monitoring events; or

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- [b] The source(s) of the persistent flows has been identified as a category of non-storm water discharges that does not require an NPDES permit and does not have to be addressed as an illicit discharge because it was not identified as a source of pollutants (i.e. constituents in non-storm water discharge do not exceed NALs), and the persistent flow can be re-prioritized to a lower priority; or
 - [c] The constituents in the persistent flow non-storm water discharge do not exceed NALs, and the persistent flow _can be re-prioritized to a lower priority; or
 - [d] The source(s) of the persistent flows has been identified as a non-storm water discharge authorized by a separate NPDES permit.
- (iii) Where the criteria under Provision [D.2.b.\(2\)\(c\)\(ii\)](#) are not met, but the threat to water quality has been reduced by the Copermitttee, the highest priority persistent flow MS4 outfall monitoring stations may be reprioritized accordingly for continued dry weather MS4 outfall discharge field screening monitoring required pursuant to Provision [D.2.b.\(1\)](#).
- (iv) Each [Municipal](#) Copermitttee must document removal or re-prioritization of the highest priority persistent flow MS4 outfall monitoring stations identified under Provision [D.2.b.\(2\)\(b\)](#) in the Annual Report. Persistent flow MS4 outfall monitoring stations _that have been removed must be replaced with the next highest prioritized MS4 major outfall in the Watershed Management Area within its jurisdiction, unless there are no remaining qualifying major MS4 outfalls within the Copermitttee's jurisdiction in the Watershed Management Area.
- (c) Non-Storm Water Persistent Flow MS4 Outfall Discharge Field Observations
- During each semi-annual monitoring event, each [Municipal](#) Copermitttee must record field observations consistent with [Table D-6](#) at each of the highest priority persistent flow MS4 outfall monitoring stations within its jurisdiction.
- (d) Non-Storm Water Persistent Flow MS4 Outfall Discharge Field Monitoring
- During each ~~semi-annual~~ monitoring event, if conditions allow the collection of the data, each [Municipal](#) Copermitttee must monitor and record the parameters in [Table D-2](#) at each of the highest priority persistent flow MS4 outfall monitoring stations within its jurisdiction.
- (e) [Non-Storm Water Persistent Flow MS4 Outfall Discharge Analytical Monitoring](#)

Comment [A49]: See discussion in section 3.5.3 of the comment letter.

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During each semi-annual monitoring event in which measurable flow from the MS4 outfall to a flowing receiving water is present, each Municipal Copermitttee must collect and analyze samples from each of the highest priority persistent flow MS4 outfall monitoring stations within its jurisdiction as follows:

- (i) Analytes that are field measured are not required to be analyzed by a laboratory;
- (ii) The Copermitttees must implement consistent sample collection methods for regional comparability of data, unless site-specific conditions indicate the need for alternate methods;
- (iii) During development of the WQIP, for each WMA, consider the following sources to select constituents for collection of~~Collect~~ grab or composite samples to be analyzed at a qualified analytical laboratory::for the following constituents:
 - [a] Constituents contributing to the highest priority water quality conditions identified in the Water Quality Improvement Plan,
 - [b] Constituents listed as a cause for impairment of receiving waters in the Watershed Management Area listed on the CWA section 303(d) List,
 - [c] Constituents for implementation plans or load reduction plans (e.g. Bacteria Load Reduction Plans, Comprehensive Load Reduction Plans) developed for watersheds where the Copermitttees are listed responsible parties under the TMDLs in Attachment E to this Order,
 - [d] Applicable NAL constituents, and
 - [e] Constituents listed in Table D-8, unless the Copermitttee has historical data that can demonstrate or provide justification that the analysis of the constituent is not necessary.
- (iv) Copermitttees may adjust the analytical list for a given WMA in successive monitoring events to add or eliminate constituents based on data that can demonstrate or provide justification regarding need or lack of need for the analysis of specific constituents.

Table D-8. Analytical Monitoring Constituents for Persistent Flow MS4 Outfall Discharge Monitoring Stations

Conventionals, Nutrients	Metals (Total and Dissolved)	Indicator Bacteria
<ul style="list-style-type: none"> • Total Dissolved Solids • Total Suspended Solids • Total Hardness • Total Phosphorus • Orthophosphate • Nitrite¹ • Nitrate¹ • Total Kjeldhal Nitrogen 	<ul style="list-style-type: none"> • Cadmium • Copper • Lead • Zinc 	<ul style="list-style-type: none"> • Total Coliform² • Fecal Coliform² • <i>Enterococcus</i>

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• Ammonia		
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Notes:

1. Nitrite and nitrate may be combined and reported as nitrite+nitrate.
2. *E. Coli* may be substituted for Fecal Coliform.

(iv)(v) If the Copermittee identifies and eliminates the source of the persistent flow non-storm water discharge, analysis of the sample is not required.

c. WET WEATHER MS4 OUTFALL DISCHARGE MONITORING

The Copermittees must perform wet weather MS4 outfall monitoring to identify sources areas of pollutants in ~~storm water~~ discharges from the MS4s in the Watershed Management Area. The Copermittees must conduct the following wet weather MS4 outfall discharge monitoring within the Watershed Management Area:

(1) Wet Weather MS4 Outfall Discharge Monitoring Stations

The Copermittees may adjust the wet weather MS4 outfall discharge monitoring locations and frequencies in the Watershed Management Area, as needed, to identify sources of pollutants in storm water discharges from MS4s in the Watershed Management Area in accordance with the highest priority water quality conditions identified in the Water Quality Improvement Plan, provided the number of stations is at least equivalent to the number of stations required under Provision D.2.a.(3)(a).

(2) Wet Weather MS4 Outfall Discharge Monitoring Frequency

The Copermittees must monitor the wet weather MS4 outfall discharge monitoring stations in the Watershed Management Area at an appropriate frequency to identify source areas of pollutants in ~~storm water~~ discharges from the MS4s causing or contributing to the highest priority water quality conditions identified in the Water Quality Improvement Plan.

(3) Wet Weather MS4 Outfall Discharge Field Observations

For each wet weather monitoring event, the following narrative descriptions and observations must be recorded at each wet weather MS4 outfall discharge monitoring station:

- (a) A narrative description of the station that includes the location, date and duration of the storm event(s) sampled, rainfall estimates of the storm event, and the duration between the storm event sampled and the end of the previous measurable (greater than 0.1 inch rainfall) storm event; and
- (b) The flow rates and volumes measured or estimated (data from nearby USGS gauging stations may be utilized, or flow rates may be measured or

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estimated in accordance with the [USEPA Storm Water Sampling Guidance Document](#) (EPA-833-B-92-001), section 3.2.1, or other method proposed by the Copermitees that is acceptable to the San Diego Water Board);

~~(c) Station condition (i.e. deposits or stains, vegetation condition, structural condition, observable biology); and~~

~~(d) Presence and assessment of trash in and around station;~~

Comment [A50]: These are inappropriate for wet weather observations.

(4) Wet Weather MS4 Outfall Discharge Field Monitoring

For each wet weather monitoring event, the Copermitees must monitor and record the parameters in [Table D-2](#) at each wet weather MS4 outfall discharge monitoring station.

(5) Wet Weather MS4 Outfall Discharge Analytical Monitoring

For each wet weather monitoring event, the Copermitees must collect and analyze samples from each wet weather MS4 outfall discharge monitoring station as follows:

- (a) Analytes that are field measured are not required to be analyzed by a laboratory;
- (b) The Copermitees must implement consistent sample collection methods for regional comparability of data, unless site-specific conditions indicate the need for alternate methods;
- (c) Grab samples may be collected for pH, temperature, specific conductivity, dissolved oxygen, turbidity, hardness, and indicator bacteria;
- (d) For all other constituents, composite samples must be collected for a duration adequate to be representative of changes in pollutant concentrations and runoff flows using one of the following techniques:
 - (i) Time-weighted composites composed of 24 discrete hourly samples, which may be collected through the use of automated equipment, or
 - (ii) Flow-weighted composites collected over the length of the storm event or a typical 24 hour period, whichever is shorter, which may be collected through the use of automated equipment, or

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(iii) If automated compositing is not feasible, a composite sample may be collected using a minimum of 4 grab samples, collected during the first 24 hours of the storm water discharge, or for the entire storm water discharge if the storm event is less than 24 hours.

(e) Only one analysis of the composite of aliquots is required;

(f) Analysis for the following constituents is required:

- (i) Constituents contributing to the highest priority water quality conditions identified in the Water Quality Improvement Plan,
- (ii) Constituents listed as a cause for impairment of receiving waters in the Watershed Management Area listed on the CWA section 303(d) List,
- (iii) Constituents for implementation plans or load reduction plans (e.g. Bacteria Load Reduction Plans, Comprehensive Load Reduction Plans) developed for watersheds where the Copermitttees are listed responsible parties under the TMDLs in [Attachment E](#) to this Order, and
- (iv) Applicable SAL constituents.

3. Special Studies

Comment [A51]: See discussion in section 3.5.3 of the comment letter.

a. Within the term of this Order, the Copermitttees must ~~initiatedevelop and implement~~ the following special studies:

- (1) At least ~~twothree~~ special studies in each Watershed Management Area to address pollutant and/or stressor data gaps and/or develop information necessary to more effectively address the pollutants and/or stressors that cause or contribute to highest priority water quality conditions identified in the Water Quality Improvement Plan.
- (2) At least ~~onetwo~~ special ~~studystudies~~ for the San Diego Region to address pollutant and/or stressor data gaps and/or develop information necessary to more effectively address the pollutants and/or stressors that are impacting receiving waters on a regional basis in the San Diego Region.
- (3) One of the ~~twothree~~ special studies in each Watershed Management Area may be replaced by a special study implemented pursuant to Provision [D.3.a.\(2\)](#).

b. The special studies must, at a minimum, be in conformance with the following criteria:

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- (1) The special studies must be related to the highest priority water quality conditions identified by the Copermitttees in the Watershed Management Area and/or for the entire San Diego Region;
 - (2) The special studies developed pursuant to Provision [D.3.a.\(1\)](#) must:
 - (a) Be implemented within the applicable Watershed Management Area, and
 - (b) Require some form of participation by all the Copermitttees within the Watershed Management Area;
 - (3) The special studies developed pursuant to Provision [D.3.a.\(2\)](#) must:
 - (a) Be implemented within the San Diego Region, and
 - (b) Require some form of participation by all Copermitttees covered under the requirements of this Order.
- c.** Special studies developed to identify sources of pollutants and/or stressors should be pollutant and/or stressor specific and based on historical monitoring data and monitoring performed pursuant to Provisions [D.1](#) and [D.2](#). Development of source identification special studies should include the following:
- (1) A compilation of known information on the specific pollutant and/or stressor, including data on potential sources and movement of the pollutant and/or stressor within the watershed. Data generated by the Copermitttees and others, as well as information available from a literature research on the pollutant and/or stressor should be compiled and analyzed as appropriate.
 - (2) An identification of data gaps, based on the compiled information generated on the specific pollutant and/or stressor in Provision [D.3.d.\(1\)](#). Source identification special studies should be developed to fill identified data gaps.
 - (3) A monitoring plan that will collect and provide data the Copermitttees can utilize to do the following:
 - (a) Quantify the relative loading or impact of a pollutant and/or stressor from a particular source or pollutant generating activity;
 - (b) Improve understanding of the fate of a pollutant and/or stressor in the environment;
 - (c) Develop an inventory of known and suspected sources of a pollutant and/or stressor in the Watershed Management Area; and/or
 - (d) Prioritize known and suspected sources of a pollutant and/or stressor based on relative magnitude in discharges, geographical distribution (i.e.,

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regional or localized), frequency of occurrence in discharges, human health risk, and controllability.

- d. Special studies initiated prior to the ~~term~~acceptance of ~~the this Order~~the Water Quality Improvement Plan that meet the requirements of Provision D.3.b and are ~~implemented~~completed during the term of this Order may be utilized to fulfill the special study requirements of Provision D.3.a.
- e. The Copermitttees must submit the monitoring plans for the special studies in the Water Quality Improvement Plans required pursuant to Provision F.1.
- f. The Copermitttees are encouraged to share the results of the special studies regionally among the Copermitttees to provide information useful in improving and adapting the management of non-storm water and storm water runoff through the implementation of the Water Quality Improvement Plans.

4. Assessment Requirements

Each Copermitttee must evaluate the data collected pursuant to Provisions D.1, D.2 and D.3, and information collected during the implementation of the jurisdictional runoff management programs required pursuant to Provision E, to assess the progress of the water quality improvement strategies in the Water Quality Improvement Plan toward achieving compliance with Provisions A.1.a, A.1.c and A.2.a. Assessments must be performed as described in the following provisions:

a. RECEIVING WATERS ASSESSMENTS

- (1) The Copermitttees must assess and report the conditions of the receiving waters in the Watershed Management Area as follows:
 - (a) Based on data collected pursuant to Provision D.1.a, the assessments under Provision D.4.a.(2) must be included in the ~~transitional~~first Annual Report required pursuant to Provision F.3.b.(24).
 - (b) Based on the data collected pursuant to Provisions D.1.a-e, the assessments required under Provision D.4.a.(2) must be included in the Report of Waste Discharge required pursuant to Provision F.5.b.
- (2) The Copermitttees must assess the status and trends of receiving water quality conditions in 1) coastal waters, 2) enclosed bays, harbors, estuaries, and lagoons, and 3) streams under dry weather and wet weather conditions. ~~as those conditions are affected by discharges from the Copermitttees' MS4, to determine the progress towards meeting interim or final goals of the Water Quality Implementation Plan for the Watershed Management Area.~~ For each of the three types of receiving waters that are present in each Watershed Management Area the applicable Copermitttees must:

Comment [A52]: See our edits to that section

Comment [A53]: See discussion in section 3.5.3 of the comment letter.

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- (a) Determine whether or not the conditions of the receiving waters are meeting any applicable numeric goals established pursuant to provision B.2.e. protective of the designated beneficial uses;
- ~~(b) Identify the most critical beneficial uses that must be protected or restored to ensure overall health of the receiving water;~~
- ~~(c) Determine whether or not those critical beneficial uses are being protected and where those beneficial used must be restored;~~
- ~~(d)~~(b) Identify short-term and/or long-term improvements or degradation of Receiving Water conditions related to those numeric goals~~those critical beneficial uses~~;
- ~~(e)~~(c) Identify data gaps in the monitoring data necessary to assess Provisions D.4.a.(2)(a)-(d).

b. MS4 OUTFALL DISCHARGES ASSESSMENTS

(1) Non-Storm Water Discharges Reduction Assessments

- (a) ~~Each Copermitttee must assess and report the progress of its illicit discharge detection and elimination program, required to be implemented pursuant to Provision E.2, toward reducing and effectively prohibiting non-storm water and illicit discharges into the MS4 within its jurisdiction as follows:~~
 - ~~(i) Based on data collected pursuant to Provisions D.2.a.(2), the assessments under Provision D.4.b.(1)(b) must be included when complete in the Annual Report required pursuant to Provision F.3.b.(1).~~
 - ~~(ii) Based on the data collected pursuant to Provisions D.2.b, the assessments required under Provision D.4.b.(1)(c) must be included in the first Annual Report required pursuant to Provision F.3.b.(1), and annually thereafter.~~
 - ~~(iii) Based on the data collected pursuant to Provisions D.2.b, the assessment required under Provision D.4.b.(1)(c) must be included in the Report of Waste Discharge required pursuant to F.5.b.~~
- (b) Based on the transitional dry weather MS4 outfall discharge field screening monitoring required pursuant to Provision D.2.a.(2), each

Comment [A54]: See discussion in section 3.5.3 of the comment letter for key changes. Other changes are described in comments below.

Comment [A55]: For clarity and simplicity, these timelines were integrated into the following sections.

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Municipal Copermitttee must assess and report the following, as applicable to discharges from the MS4 (including Special District Copermitttee MS4s) to flowing receiving waters within their jurisdiction, in the Annual Report required pursuant to Provision F.3.b.(2)::

Comment [A56]: Per edits to that section

- (i) Identify the known and suspected controllable sources (e.g. facilities, areas, land uses, pollutant generating activities) of transient and persistent flow discharges to flowing receiving waters within the Copermitttee's jurisdiction in the Watershed Management Area;
 - (ii) Identify sources of transient and persistent flow discharges to flowing receiving waters within the Copermitttee's jurisdiction in the Watershed Management Area that have been reduced or eliminated; and
 - (iii) Identify modifications to the field screening monitoring locations and frequencies for the MS4 outfalls in its inventory necessary to identify and eliminate sources of persistent flow non-storm water discharges to flowing receiving waters, pursuant to Provision D.2.b.(1).
- (c) Based on the dry weather MS4 outfall discharge field screening monitoring required pursuant to Provision D.2.b, each Municipal Copermitttee must assess and report the following, as applicable to discharges from the MS4 (including Special District Copermitttee MS4s) within their jurisdiction, in each Annual Report required pursuant to F.3.b.(3) and in the Report of Waste Discharge required pursuant to Provision F.5.b:

Comment [A57]: Per edits to that section

- (i) The assessments required pursuant to Provision D.4.b.(1)~~(ab)~~;
- (ii) Based on the data collected and applicable NALs in the Water Quality Improvement Plan, rank the MS4 outfalls in the Copermitttee's jurisdiction according to potential threat to receiving water quality, and produce a prioritized list of major MS4 outfalls for follow-up action to update the Water Quality Improvement Plan, with the goal of eliminating persistent flow non-storm water discharges to flowing receiving waters and/or pollutant loads in order of the ranked priority list through targeted programmatic actions and source investigations;
- (iii) For the highest priority major MS4 outfalls with persistent flow discharges to a flowing receiving waterflows that are in exceedance of NALs, identify the known and suspected sources within the Copermitttee's jurisdiction in the Watershed Management Area that may cause or contribute to the NAL exceedances;
- (iv) Each Copermitttee must analyze the data collected pursuant to Provision D.2.b.(2), and: ~~utilize a model or other method, to calculate or estimate the non-storm water volumes and pollutant loads collectively discharged from all the major MS4s outfalls in its jurisdiction identified as having persistent dry weather flows during~~

Comment [A58]: Per edits above

Comment [A59]: Edits to this section (and sub-sections) is different than SD edits.

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~~the monitoring year. These calculations or estimates must be updated annually. Each Copermitttee must calculate or estimate:~~

[a] ~~Calculate or estimate annual~~ non-storm water volumes and pollutant loads ~~(associated with the priority constituents identified in the WQIP) collectively~~ discharged from the ~~monitored persistently flowing Copermitttee's~~ major MS4 outfalls ~~discharging to flowing~~ receiving waters within the Copermitttee's jurisdiction, ~~or discharged into another Copermitttee's MS4 as demonstrated through provision E.2.d.~~ ~~with an estimate of the percent contribution from each known and suspected source for each MS4 outfall;~~

[b] ~~Identify identify and quantify, where feasible, known sources of non-stormwater flows not [b]~~— ~~Annual non-storm water volumes and pollutant loads from areas or facilities~~ subject to the Copermitttee's legal authority that are discharged from the Copermitttee's major MS4 outfalls to downstream receiving waters.

(v) Each Copermitttee must review the data collected pursuant to Provision D.2.b and findings from the assessments required pursuant to Provision D.4.b.(1)(c)(i)-(iv) ~~once per Permit term on an annual basis, and then report within the Regional Monitoring and Assessment Report per Provision F.3.c., the following to:~~

[a] Identify reductions and progress in achieving reductions in non-storm water and illicit discharges to the Copermitttee's MS4 in the Watershed Management Area;

[b] Assess the effectiveness of water quality improvement strategies being implemented by the Copermitttees within the Watershed Management Area toward reducing or eliminating non-storm water and pollutant loads discharging from the MS4 to receiving waters within its jurisdiction, with an estimate, if possible, of the non-storm water volume and/or pollutant load reductions attributable to specific water quality strategies implemented by the Copermitttee; and

[c] Identify modifications necessary to increase the effectiveness of the water quality improvement strategies implemented by the Copermitttee in the Watershed Management Area toward reducing or eliminating non-storm water and pollutant loads discharging from the MS4 to receiving waters within its jurisdiction.

(vi) Identify data gaps in the monitoring data necessary to assess Provisions D.4.b.(2)(c)(i)-(v).

(2) Storm Water Pollutant Discharges Reduction Assessments

(a) ~~The Copermitttees must assess and report the progress of the water quality improvement strategies, required to be implemented pursuant to~~

Comment [A60]: This is to help ensure jurisdictional accountability for what is being discharged from their jurisdiction.

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~~Provisions B and E, toward reducing pollutants in storm water discharges from the MS4s within the Watershed Management Area as follows:~~

~~(i) Based on data collected pursuant to Provisions D.2.a.(3), the assessments under Provision D.4.b.(2)(b) must be included in the first Annual Report required pursuant to Provision F.3.b.(1).~~

~~Based on the data collected pursuant to Provisions D.2.c, the assessments required under Provision Provision_first Annual Report required pursuant to Provision F.3.b.(1), and annually thereafter.~~

~~Based on the data collected pursuant to Provisions D.2.c, the assessment required under Provisions D.4.b.(2)(c)-(d) must be included in the Report of Waste Discharge required pursuant to F.5.b.~~

(b) ~~Based on the transitional wet weather MS4 outfall discharge monitoring required pursuant to Provision D.2.a.(3) the Copermittees must assess and report the following in the Transitional Period Monitoring Report required pursuant to Provision F.3.b.(2):~~

Comment [A61]: See discussion in section 3.5.3 of the comment letter.

(i) The Copermittees must analyze the monitoring data collected pursuant to Provision D.2.a.(3), and utilize a watershed model or other method, to calculate or estimate: ~~storm water volumes and pollutant loads discharged from the MS4s in each Copermittee's jurisdiction within the Watershed Management Area. The Copermittees must calculate or estimate the following for each monitoring year:~~

Comment [A62]: Removed as this was confusing as it was duplicative of the subsections below.

- [a] The average storm water runoff coefficient for each land use type within the Watershed Management Area;
- [b] The volume of storm water ~~and pollutant loads~~ discharged from each of the Copermittee's ~~monitored~~ major MS4 outfalls in its jurisdiction to receiving waters within the Watershed Management Area for each ~~monitored~~ storm event with measurable rainfall greater than 0.1 inch, ~~for each of the priority water quality constituents identified in the WQIP;~~
- [c] ~~The total volume and pollutant loads potentially discharged from each Municipal Copermittee's jurisdiction within the watershed management area, for each monitored event, extrapolated from the data produced from the monitored outfalls.~~
~~The pollutant loads discharged from each of the Copermittee's major MS4 outfalls in its jurisdiction to receiving waters within the Watershed Management Area for each storm event with measurable rainfall greater than 0.1 inch; and~~
- [d] ~~The percent contribution of storm water volumes and pollutant loads discharged from each land use type within the drainage basin to each of the Copermittee's major MS4 outfalls in its~~

Comment [A63]: There is no need to perform this analysis for other pollutants not identified as priorities in the WQIP.

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~~jurisdiction to receiving waters within the Watershed Management Area for each storm event with measurable rainfall greater than 0.1 inch.~~

- (ii) Identify modifications to the wet weather MS4 outfall discharge monitoring locations and frequencies necessary to identify ~~sources~~ pollutants in storm water discharges from the MS4s in the Watershed Management Area pursuant to Provision [D.2.c.\(1\)](#).
- (c) **Based** on the wet weather MS4 outfall discharge monitoring required pursuant to Provision [D.2.c](#) the Copermitttees must assess and report [\(i\) and \(ii\) below in the annual reports required per F.3.b.\(3\)](#), and [\(i\) through \(iv\) below in the Regional Monitoring and Assessment Report required per F.3.c. the following:](#)
 - (i) The assessments required pursuant to Provision [D.4.b.\(2\)\(ab\)](#);
 - (ii) Based on the data collected and applicable SALs in the Water Quality Improvement Plan, [analyze and compare the monitoring data to the analyses and assumptions used to develop the Water Quality Improvement Plans, including strategies developed per Provision B.3, and evaluate whether rank the MS4 outfalls in the Watershed Management Area according to potential threat to receiving water quality, and produce a prioritized list of major MS4](#) ~~there is a need~~ to update the Water Quality Improvement Plan;
 - (iii) The Copermitttees must review the data collected pursuant to Provision [D.2.c](#) and findings from the assessments required pursuant to Provisions [D.4.b.\(2\)\(c\)\(i\)-\(ii\)](#) ~~on an annual basis to:~~
 - [a] Identify reductions and progress in achieving reductions in pollutant concentrations and/or pollutant loads from different land uses and/or drainage areas discharging from the Copermitttees' MS4s in the Watershed Management Area;
 - [b] Assess the effectiveness of water quality improvement strategies being implemented by the Copermitttees within the Watershed Management Area toward reducing pollutants in ~~storm water~~ discharges from the MS4s to receiving waters within the Watershed Management Area to the MEP, with an estimate, if possible, of the pollutant load reductions attributable to specific water quality strategies implemented by the Copermitttees; and
 - [c] Identify modifications necessary to increase the effectiveness of the water quality improvement strategies implemented by the Copermitttees in the Watershed Management Area toward reducing pollutants in ~~storm water~~ discharges from the MS4s to receiving waters in the Watershed Management Area to the MEP.
 - (iv) Identify data gaps in the monitoring data necessary to assess Provisions [D.4.b.\(2\)\(c\)\(i\)-\(iii\)](#).

Comment [A64]: See discussion in section 3.5.3 of the comment letter.

Comment [A65]: Per edits to that section

Comment [A66]: Per edits above

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- (d) Within the Regional Monitoring and Assessment report required pursuant to F.3.c. ~~The~~ Copermittees must evaluate all the data collected pursuant to Provision D.2.c, and incorporate new outfall monitoring data into time series plots for each long-term monitoring constituent for the Watershed Management Area, and perform statistical trends analysis on the cumulative long-term wet weather MS4 outfall discharge water quality data set.

c. SPECIAL STUDIES ASSESSMENTS

The Copermittees must in the applicable annual report required pursuant to F.3.b., annually evaluate the results and findings from the special studies developed and implemented pursuant to Provision D.3, and assess their relevance to the Copermittees' efforts to characterize receiving water conditions, understand sources of pollutants and/or stressors, and control and reduce the discharges of pollutants from the MS4 outfalls to receiving waters in the Watershed Management Area. The Copermittees must report the results of the special studies assessments applicable to the Watershed Management Area, and identify any necessary modifications or updates to the Water Quality Improvement Plan based on the results in the Annual Reports required pursuant to Provision F.3.b.

d. INTEGRATED ASSESSMENT OF WATER QUALITY IMPROVEMENT PLAN

As part of the iterative approach and adaptive management process required for the Water Quality Improvement Plan pursuant to Provision B.5, the Copermittees in each Watershed Management Area must integrate the data collected pursuant to Provisions D.1-D.3, the findings from the assessments required pursuant to Provisions D.4.a-c, and information collected during the implementation of the jurisdictional runoff management programs required pursuant to Provision E to assess the effectiveness of, and identify necessary modifications to, the Water Quality Improvement Plan as follows:

- (1) The Copermittees must re-evaluate the priority water quality conditions and numeric goals for the Watershed Management Area, as needed, during the term of this Order pursuant to Provision B.5.a. The re-evaluation and recommendations for modifications to the priority water quality conditions, and/or numeric goals and corresponding schedules may be provided in the Annual Reports required pursuant to Provision F.3.b, but must at least be provided in the Regional Monitoring and Assessment Report of Waste Discharge pursuant to Provision F.3.c5.b. The priority water quality conditions and numeric goals for the Watershed Management Area must be re-evaluated as follows:
 - (a) Re-evaluate the receiving water conditions in the Watershed Management Area in accordance with Provision B.2.a;

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- (b) Re-evaluate the impacts on receiving waters in the Watershed Management Area from MS4 discharges in accordance with Provision [B.2.b](#);
 - (c) Re-evaluate the identification of MS4 sources of pollutants and/or stressors in accordance with Provision [B.2.d](#);
 - (d) Identify beneficial uses of the receiving waters that are protected or must be restored in accordance with Provision [D.4.a](#);
 - (e) Evaluate the progress toward achieving the interim and final numeric goals for restoring impacted beneficial uses in the receiving waters.
- (2) The Copermitttees must re-evaluate the water quality improvement strategies for the Watershed Management Area during the term of this Order pursuant to Provision [B.5.b](#). The re-evaluation and recommendations for modifications to the water quality improvement strategies and schedules may be provided in the Annual Reports required pursuant to Provision F.3.b, but must at least be provided in the Regional Monitoring and Assessment Report pursuant to Provision F.3.c~~must be provided in the Annual Reports required pursuant to Provision F.3.b, and provided in the Report of Waste Discharge pursuant to Provision F.5.b~~. The water quality improvement strategies for the Watershed Management Area must be re-evaluated as follows:
- (a) Identify the non-storm water and storm water pollutant loads from the Copermitttees' MS4 outfalls in the Watershed Management Area, calculated or estimated pursuant to Provisions [D.4.b](#);
 - (b) Identify the non-storm water and storm water pollutant load reductions, or other improvements to receiving water or water quality conditions, that are necessary to attain the interim and final numeric goals identified in the WQIP~~for restoring impacted beneficial uses in the receiving waters~~;
 - (c) Identify any~~the~~ non-storm water and storm water pollutant load reductions, or other improvements to the quality of MS4 discharges, that are necessary for the Copermitttees to demonstrate that non-storm water and storm water reduce discharges of pollutants from their MS4s that have been demonstrated to bear not causing or contributing to exceedances of receiving water limitations;
 - (d) Evaluate the progress of the water quality improvement strategies toward achieving the interim and final numeric goals identified in the WQIP~~for restoring impacted beneficial uses in the receiving waters~~.
- (3) The Copermitttees must re-evaluate and adapt the water quality monitoring and assessment program for the Watershed Management Area when new information becomes available to improve the monitoring and assessment

Comment [A67]: See discussion in section 3.5.3 of the comment letter.

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program pursuant to Provision [B.5.c](#). The re-evaluation and recommendations for modifications to the monitoring and assessment program may be provided in the Annual Reports required pursuant to Provision [F.3.b](#), but must at least be provided in the [Regional Monitoring and Assessment Report of Waste Discharge](#) pursuant to Provision [F.3.c5.b](#). Modifications to the water quality monitoring and assessment program must be consistent with the requirements of Provision [D.1-D.3](#). The re-evaluation of the water quality monitoring and assessment program for the Watershed Management Area must consider the data gaps identified by the assessments required pursuant to Provisions [D.4.a-b](#), and results of the special studies implemented pursuant to Provision [D.4.c](#).

5. Monitoring Provisions

Each Copermitttee must comply with all the monitoring, reporting, and recordkeeping provisions of the Standard Permit Provisions and General Provisions contained in [Attachment B](#) to this Order.

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E. JURISDICTIONAL RUNOFF MANAGEMENT PROGRAMS

The purpose of this provision is for each Copermitttee to implement a program to control the contribution of pollutants to and the discharges from the MS4 with~~in~~ its jurisdiction. The goal of the jurisdictional runoff management programs is to implement strategies that effectively prohibit non-storm water discharges to the MS4 and reduce the discharge of pollutants in ~~storm water~~ to the MEP. This goal will be accomplished through implementing the jurisdictional runoff management programs in accordance with the strategies identified in the Water Quality Improvement Plans.

Each Copermitttee must update its jurisdictional runoff management program document, in accordance with Provision F.2.a, to incorporate all the requirements of Provision E, consistent with their legal authority. Until the Copermitttee has updated its jurisdictional runoff management program document with the applicable requirements of Provision E, the Copermitttee must continue implementing its current jurisdictional runoff management program.

Modification of Jurisdictional Runoff Management Program Requirements

Modifications shall be considered and where selected, proposed according to the process in Provision B.5. Proposed modifications may increase, decrease, and/or replace minimum requirements identified in Provision E.

1. Legal Authority Establishment and Enforcement

a. Each Copermitttee must establish, maintain, and enforce adequate legal authority within its jurisdiction to control pollutant discharges into and from its MS4 through statute, ordinance, permit, or series of contracts, order, or similar means which. ~~This legal authority must~~, at a minimum, authorize the Copermitttee to:

- (1) Effectively prohibit through ordinance, order or other similar means~~Prohibit and eliminate all~~ illicit discharges ~~and illicit connections~~ to its MS4;
- (2) Control, through ordinance, permit, contract, order or similar means the contribution of pollutants in discharges to the MS4 by storm water discharges of runoff associated with industrial and construction activity ~~to its MS4~~, and ~~control~~ the quality of storm water discharges runoff from sites of industrial and construction activitiesites, whose discharges have not been separately authorized through that do not, including industrial and construction sites which have coverage under the statewide General Permit for Discharges of Storm Water Associated with Industrial Activities (Industrial General Permit) or General Permit for Discharges of Storm Water Associated with Construction Activities (Construction General Permit), ~~as well as to those sites which do not~~;
- (3) Control, through ordinance, order or similar means the discharge to the MS4 of spills, dumping, or disposal of materials other than storm water ~~into its~~

Comment [A68]: See discussion in section 3.6 of the comment letter.

Comment [A69]: See discussion in section 3.6.2 of the comment letter.

Comment [A70]: See discussion in section 3.6.2 of the comment letter.

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MS4;

- (4) Control through interagency agreements among Copermittees the contribution of pollutants from one portion of the MS4 to another portion of the MS4;
- (5) ~~Control, by coordinating and cooperating with other owners of the MS4 such as Caltrans, the U.S. federal government, or sovereign Native American Tribes through interagency agreements, where possible, the contribution of from their portion of the MS4 to the portion of the MS4 within the Copermittee's jurisdiction;~~
- (6) Require compliance with conditions in its ~~statutes, ordinances, permits, contracts, or orders, or similar means~~ to hold dischargers to its MS4 accountable for their contributions of pollutants and flows;
- (7) ~~Require the use of BMPs to prevent or reduce the discharge of pollutants in storm water from its MS4 to the MEP;~~
- (8) ~~Require documentation on the effectiveness of BMPs implemented to prevent or reduce the discharge of pollutants in storm water from its MS4 to the MEP;~~
- (9) ~~Utilize enforcement mechanisms to require compliance with its statutes, ordinances, permits, contracts, orders, or similar means; and~~
- (10) Carry out all inspections, surveillance, and monitoring procedures necessary to determine compliance and noncompliance with ~~permit conditionsits statutes, ordinances, permits, contracts, orders, or similar means and with the requirements of this Order~~, including the prohibition of illicit discharges and connections to its MS4; ~~the Copermittee must also have authority to enter, monitor, inspect, take measurements, review and copy records, and require regular reports from industrial facilities, including construction sites, discharging into its MS4.~~

Comment [A71]: See discussion in section 3.6.2 of the comment letter.

Comment [A72]: See discussion in section 3.6.2 of the comment letter.

Comment [A73]: See discussion in section 3.6.2 of the comment letter.

Comment [A74]: See discussion in section 3.6.2 of the comment letter.

- b. With the first Annual Report required pursuant to Provision F.3.b, each Copermittee must submit a statement certified by its Principal Executive Officer, Ranking Elected Official, or Duly Authorized Representative that the Copermittee has taken the necessary steps to obtain and maintain full legal authority within its jurisdiction to implement and enforce each of the requirements contained in this Order.

2. Illicit Discharge Detection and Elimination

Comment [A75]: See discussion in section 3.7 of the comment letter.

Each Copermittee must implement a program to actively detect and eliminate illicit discharges and improper disposal into the MS4, or otherwise require the discharger

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to apply for and obtain a separate NPDES permit. The illicit discharge detection and elimination program must be implemented in accordance with the strategies identified in the Water Quality Improvement Plan and include, at a minimum, the following requirements:

STRATEGIES TO ADDRESS THE HIGHEST PRIORITY WATER QUALITY CONDITIONS

Each Copermittee must describe in its jurisdictional runoff management program document the strategies and/or activities that will be implemented as part of the illicit discharge detection and elimination program to address ~~non-storm water and~~ illicit discharges and connections that the Copermittee has identified as potential sources of pollutants and/or stressors that contribute to the highest priority water quality conditions in the Watershed Management Area as follows:

- (1) Provide specific details about how the strategies and/or activities will be implemented (e.g. designate ~~additional~~ BMPs, focus education, and/or increase/decrease frequency of inspections in specific areas); and
- (2) The strategies and/or activities ~~must~~ may be ~~modified from consistent with the default~~ requirements of Provisions E.2. ~~b-ea-d and to be consistent with the~~ strategies identified in the Water Quality Improvement Plan;
- (3) The requirements of the programs as outlined in the following sub-provisions may be modified and prioritized as appropriate for consistency with the highest water quality priorities and strategies as identified in the corresponding Water Quality improvement Plan(s).

a. NON-STORM WATER DISCHARGES

To the extent allowable by law, each Each Copermittee must address all non-storm water discharges ~~from into the MS4~~ as illicit discharges, where the likelihood exists that they are a source of pollutants to the Receiving Waters, unless ~~a non-storm water~~ the discharge is either identified as a discharge authorized by a separate NPDES permit, or identified as a category of non-storm water discharges or flows that is consistent with ~~must be addressed pursuant to~~ the following requirements:

- (1) Discharges of non-storm water to the MS4 from the following categories must be addressed as illicit discharge unless the discharge has coverage under NPDES Permit No. CAG919001 (Order No. R9-2007-0034, or subsequent order) for discharges to San Diego Bay, or NPDES Permit No. CAG919002 (Order No. R9-2008-0002, or subsequent order) for discharges to surface waters other than San Diego Bay.

Comment [A76]: See discussion in section 3.7.2 of the comment letter.

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~~(a) Uncontaminated pumped ground water;~~

~~(b) Discharges from foundation drains;²⁰~~

~~(c) Water from crawl space pumps; and~~

~~(d) Water from footing drains.¹⁹~~

- (2) Discharges of non-storm water from water line flushing and water main breaks to the MS4 must be addressed as illicit discharges unless the discharge has coverage under a valid NPDES Permit, ~~No. CAG 679001~~ (Order No. R9-2010-0003, or a subsequent order). This category includes potable water line flushing ~~and water main break~~ discharges from water purveyors issued a water supply permit by the California Department of Public Health or federal military installations. Discharges from recycled or reclaimed water lines to the MS4 must be addressed as illicit discharges, unless the discharges have coverage under a separate NPDES permit.

Comment [A77]: See discussion in section 3.7.2 of the comment letter.

- (3) Discharges of non-storm water into the MS4 from the following categories must be addressed by the Copermittee as illicit discharges only if the Copermittee or the San Diego Water Board identifies the individual discharge as a source of pollutants to receiving waters:

Comment [A78]: See discussion in section 3.7.2 of the comment letter.

(a) Diverted stream flows;

(b) Rising ground waters;

~~(c) Uncontaminated ground water infiltration to MS4s;~~

~~(d) Uncontaminated pumped ground water;~~

~~(e) Springs;~~

~~(f) Water from crawl space pumps;~~

~~(g) Flows from riparian habitats and wetlands;~~

~~(h) Landscape irrigation;~~

~~(i) Irrigation water;~~

~~(j) Lawn watering;~~

Comment [A79]: See Legal Comments discussion.

²⁰ Provision E.2.a.(1) only applies to this category on non-storm water if the system is designed to be located at or below the highest historical groundwater table to actively or passively extract groundwater during any part of the year.

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~~(d)~~(k) Discharges from potable water sources;

~~(e)~~(l) Discharges from foundation drains,²¹ and

(m) Discharges from footing drains.²¹

- (4) Discharges of non-storm water into the MS4 from the following categories must be controlled by the requirements given below through statute, ordinance, permit, contract, order, or similar means. ~~Discharges of non-storm water to the MS4 from the following categories not controlled by the requirements given below through~~ If such statutes, ordinances, permits, contracts, orders, or similar means ~~have not been enacted by the Copermittee, the applicable categories below~~ must be addressed by the Copermittee as illicit discharges.

Comment [A80]: See discussion in section 3.7.2 of the comment letter.

(a) Air conditioning condensation

The discharge of air conditioning condensation ~~should~~ **must** be directed to landscaped areas or other pervious surfaces where feasible.

(b) Individual residential vehicle washing

- (i) The discharge of wash water ~~must~~ **should** be directed to landscaped areas or other pervious surfaces where feasible; and
- (ii) Minimize the use of water for vehicle washing, use as little washing detergent and other vehicle wash products as possible, wash vehicles at commercial wash facilities, and implement other practices or behaviors that will prevent the discharge of pollutants associated with individual residential vehicle washing from entering the MS4.

(c) Dechlorinated swimming pool discharges

- (i) Eliminate residual chlorine, algaecide, filter backwash, or other pollutants from swimming pools prior to discharging to the MS4; and
- (ii) The discharge of saline swimming pool water must be directed to the sanitary sewer, landscaped areas, or other pervious surfaces that can accommodate the volume of water, unless the saline swimming pool water can be discharged via a pipe or concrete channel directly to a naturally saline water body (e.g. Pacific Ocean).

- (5) **Firefighting** discharges to the MS4 must be addressed by the Copermittee as

Comment [A81]: See discussion in section 3.7.2 of the comment letter.

~~²¹ Provision E.2.a.(3) only applies to this category of non-storm water discharge if the system is designed to be located above the highest historical groundwater table at all times of the year, and the system is only expected to discharge non-storm water under unusual circumstances.~~

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~~follows: illicit discharges only if the Copermitttee or the San Diego Water Board identifies the discharge as a significant source of pollutants to receiving waters. Firefighting discharges to the MS4 not identified as a significant source of pollutants to receiving waters, must be addressed, at a minimum, as follows:~~

(a) Non-emergency firefighting discharges

- (i) Building fire suppression system maintenance discharges (e.g., sprinkler line flushing) to the MS4 must be addressed as illicit discharges unless appropriate BMPs are implemented.
- (ii) Non-emergency firefighting discharges (i.e., discharges from controlled or practice blazes, firefighting training, and maintenance activities not associated with building fire suppression systems) must be addressed by a program, to be developed and implemented by the Copermitttee in conjunction with the local Fire Authority/District, to reduce or eliminate pollutants in such discharges from entering the MS4.

(b) Emergency firefighting discharges (i.e., flows necessary for the protection of life or property) do not require BMPs and need not be prohibited.

~~Each Copermitttee should develop and encourage implementation of BMPs to reduce or eliminate pollutants in emergency firefighting discharges to the MS4s and receiving waters within its jurisdiction. During emergency situations, priority of efforts should be directed toward life, property, and the environment (in descending order). BMPs should not interfere with immediate emergency response operations or impact public health and safety.~~

(6) If the Copermitttee or San Diego Water Board identifies any category of non-storm water discharges listed under Provisions E.2.a.(1)-(4) as a source of pollutants to receiving waters, the category must be effectively prohibited through ordinance, order, or similar means and addressed as an illicit discharge.

(7) ~~Each Copermitttee must, where feasible, reduce or eliminate non-storm water discharges listed under Provisions E.2.a.(1)-(4) into its MS4 whether or not the non-storm water discharge has been identified as an illicit discharge, unless a non-storm water discharge is identified as a discharge authorized by a separate NPDES permit.~~

Comment [A82]: See discussion in section 3.7.2 of the comment letter.

b. PREVENT AND DETECT ILLICIT DISCHARGES AND CONNECTIONS

Each Copermitttee must include the following measures within its program to prevent and detect illicit discharges to the MS4:

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- (1) Each Copermitttee must maintain an updated map of its entire MS4 and the corresponding drainage areas. The accuracy of the MS4 map must be confirmed during the field screening required pursuant to Provision [E.2.c](#). The MS4 map must be included as part of the jurisdictional runoff management program document. Any geographic information system (GIS) layers or files used by the Copermitttee to maintain the MS4 map must be made available to the San Diego Water Board upon request. The MS4 map must identify the following:
 - (a) All segments of the MS4 owned, operated, and maintained by the Copermitttee;
 - (b) All known locations of inlets that discharge and/or collect runoff into the Copermitttee's MS4;
 - (c) All known locations of connections with other MS4s not owned or operated by the Copermitttee (e.g. Caltrans MS4s);
 - (d) ~~All known locations of major MS4 outfalls as defined by 40 CFR §122.26(b)(5-6) and private outfalls,~~ that discharge runoff collected from areas within the Copermitttee's jurisdiction;
 - (e) All segments of receiving waters within the Copermitttee's jurisdiction that receive and convey runoff discharged from the Copermitttee's MS4 outfalls;
 - (f) Locations of the MS4 outfalls, identified pursuant to Provision [D.2.a.\(1\)](#), within its jurisdiction; and
 - (g) Locations of the non-storm water persistent flow MS4 outfall discharge monitoring stations, identified pursuant to Provision [D.2.b.\(2\)\(b\)](#), within its jurisdiction.
- (2) Each Copermitttee must use Copermitttee personnel and contractors to assist in identifying and reporting illicit discharges and connections during their daily employment activities.
- (3) Each Copermitttee must promote, publicize, and facilitate public reporting of the presence of illicit discharges or water quality impacts associated with discharges to or from the MS4, including the following methods for public reporting:
 - (a) Operate a public hotline, which can be Copermitttee-specific or shared by the Copermitttees, and must be capable of receiving reports in both English and Spanish 24 hours per day and seven days per week; and

Comment [A83]: See discussion in section 3.7.2 of the comment letter.

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(b) Designate an e-mail address for receiving electronic reports from the public, which can be Copermitttee-specific or shared by the Copermitttees, and must be prominently displayed on the Copermitttee's webpage and the Regional Clearinghouse required pursuant to Provision F.4.

(4) Each Copermitttee must implement practices and procedures (including a notification mechanism) to prevent, respond to, contain, and clean up any spills that may discharge into the MS4 within its jurisdiction from any source. Such practices and procedures may include the coordination with other parties, such as sanitary sewer operators. The Copermitttee must coordinate, to the extent possible, with spill response teams to prevent entry of spills into the MS4, ~~and prevent contamination of surface water, ground water, and soil.~~ The Copermitttee must coordinate spill prevention, containment, and response activities throughout all appropriate ~~internal Copermitttee~~ departments, programs, and agencies.

Comment [A84]: See discussion in section 3.7.2 of the comment letter.

(5) Each Copermitttee must implement practices and procedures to ~~prevent control~~ and limit infiltration of seepage from sanitary sewers owned by a Copermitttee agency (including private laterals and failing septic systems) to the MS4.

(6) Each Copermitttee ~~shall~~must coordinate, when necessary, with upstream Copermitttees and/or entities to prevent illicit discharges from upstream sources into the MS4 within its jurisdiction.

c. FIELD SCREENING

Each Copermitttee must conduct field screening (i.e. visual observations, field testing, and/or analytical testing) of MS4 outfalls and other portions of its MS4 within its jurisdiction to detect non-storm water and illicit discharges and connections to the MS4 in accordance with the dry weather MS4 outfall discharge monitoring requirements in Provisions D.2.a.(2) and D.2.b.(1).

d. INVESTIGATE AND ELIMINATE ILLICIT DISCHARGES AND CONNECTIONS

Each Copermitttee must include the following measures within its program to investigate and eliminate illicit discharges to the MS4 to comply with provision A.1.b:

(1) Each Copermitttee must prioritize and determine when follow-up investigations will be performed in response to visual observations and/or water quality monitoring data collected during an investigation of a detected non-storm water ~~or~~ illicit discharge into or from the MS4. The criteria for prioritizing investigations must consider the following:

(a) Pollutants identified as causing or contributing to the highest water quality

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priorities identified in the Water Quality Improvement Plan;

- (b) Pollutants identified as causing or contributing, or threatening to cause or contribute to impairments in water bodies on the 303(d) List and/or in environmentally sensitive areas (ESAs), located within its jurisdiction;
- (c) Pollutants identified from sources or land uses known to exist within the area, drainage basin, or watershed that discharges to the portion of the MS4 within its jurisdiction included in the investigation;
- (d) Pollutants identified as causing or contributing to an exceedance of a NAL in the Water Quality Improvement Plan, where the source has not been identified as natural or otherwise permitted; and
- (e) Pollutants identified as an immediate and significant threat to human health or the environment.

(2) Each Copermittee must implement procedures to investigate and inspect portions of its MS4 that, based on reports or notifications, field screening, or other appropriate information, indicate a reasonable potential of receiving, containing, or discharging pollutants due to illicit discharges, or illicit connections, ~~or other sources of non-storm water~~. The procedures must include the following:

- (a) Each Copermittee must develop criteria to:
 - (i) Assess the validity of each report or notification received; and
 - (ii) Prioritize the response to each report or notification received.
- (b) Each Copermittee must prioritize and respond to each valid report or notification (e.g., public reports, staff or contractor reports and notifications, etc.) of an incident in a timely manner.
- (c) ~~Each~~ In accordance with the procedures defined in Provision E.2.d.(1), each Copermittee must investigate and seek to identify the source(s) of discharges of non-storm water illicit discharges or illicit connections ~~where flows are~~ observed in ~~to~~ and from the MS4 during the field screening required pursuant to Provision D.2.b.(1) as follows:
 - (i) Obvious illicit discharges (i.e., unusual color or odor) must be immediately investigated to identify the source(s) of non-storm water illegal discharges;
 - (ii) The investigation must include field investigations to identify sources or potential sources for the discharge, unless the source or potential source has already been identified during previous investigations; and

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- (iii) The investigation may include follow-up field investigations and/or reviewing Copermitttee inventories and other land use data to identify potential sources of the discharge.
- (d) Each Copermitttee must maintain records and a database of the following information:
 - (i) Location of incident, including hydrologic subarea, portion of MS4 receiving the non-storm water ~~or~~ illicit discharge, and point of discharge or potential discharge from MS4 to receiving water;
 - (ii) Source of information initiating the investigation (e.g., public reports, staff or contractor reports and notifications, field screening, etc.);
 - (iii) Date the information used to initiate the investigation was received;
 - (iv) Date the investigation was initiated;
 - (v) Dates of follow-up investigations;
 - (vi) Identified or suspected source of the illicit discharge or connection, if determined;
 - (vii) Known or suspected related incidents, if any;
 - (viii) Result of the investigation; and
 - (ix) If a source cannot be identified and the investigation is not continued, a rationale for why a discharge does not pose a threat to water quality and/or does not require additional investigation.
- (e) Each Copermitttee must ~~track document, and where feasible quantify, any readily and seek to identify~~ track document, and where feasible quantify, any readily and seek to identify the source(s) of non-storm water illegal discharges from the MS4 where there is evidence of non-storm water having been discharged ~~illegal discharges or connections~~ into or from the MS4 (e.g., pooled water), in accordance with MS4 outfall discharge monitoring requirements in Provisions D.2.a.(2) and D.2.b.
- (3) Each Copermitttee must initiate the implementation of procedures, in a timely manner, to eliminate all detected and identified illicit discharges and connections within its jurisdiction. The procedures must include the following responses:
 - (a) Each Copermitttee must enforce its legal authority, as required under Provision E.1, to eliminate illicit discharges and connections to the MS4.
 - (b) If the Copermitttee identifies the source as a controllable source of non-storm water ~~or~~ illicit discharge or connection, the Copermitttee must implement its Enforcement Response Plan pursuant to Provision E.6 and enforce its legal authority to effectively prohibit and with the goal of eliminate ~~ing~~ illicit discharges and connections to its MS4.

Comment [A85]: See discussion in section 3.7.2 of the comment letter.

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- (c) If the Copermitttee identifies the source of the discharge as a category of non-storm water discharges in Provision E.2.a, and the discharge is in exceedance of NALs in the Water Quality Improvement Plan, then the Copermitttee must determine if: (1) this is an isolated incident or set of circumstances that will be addressed through its Enforcement Response Plan pursuant to Provision E.6, or (2) the category of discharge must be addressed through the effective prohibition of that category of discharge as an illicit discharge pursuant to Provision E.2.a.(6).
- (d) If the Copermitttee suspects the source of the non-storm water discharge as natural in origin (i.e. non-anthropogenically influenced) and in conveyance into the MS4, then the Copermitttee must document and provide the data and evidence necessary to demonstrate to the San Diego Water Board that it is natural in origin and does not require further investigation.
- (e) If the Copermitttee identifies that the discharge is coming from another Copermitttees' jurisdiction, the receiving Copermitttee must document and provide the findings to the upstream Copermitttee. The obligation to implement the requirements of provision E.2.d.(3) are thenceforth the responsibility of the upstream Copermitttee.
- (f) If the Copermitttee identifies the source as a non-storm water discharge that has been separately authorized by the San Diego Water Board, or that is contributing pollutants to the MS4 and that may require coverage under a WDR from the San Diego Water Board, the Copermitttee shall provide all relevant findings to the San Diego Water Board and may back charge the Regional Board for the entire cost of conducting the source investigation.
- ~~(e)(g)~~ If the Copermitttee is unable to identify and document the source of a recurring non-storm water discharge to or from the MS4, then the Copermitttee must ~~address the discharge as an illicit discharge and~~ update its jurisdictional runoff management program to address the common and suspected sources of the non-storm water discharge within its jurisdiction in accordance with the Copermitttee's priorities.
- (4) Each Copermitttee must submit a summary of the non-storm water discharges and illicit discharges and connections investigated and eliminated within its jurisdiction with each Annual Report required under Provision F.3.b of this Order.

Comment [A86]: See discussion in section 3.7.2 of the comment letter.

3. Development Planning

Each Copermitttee must, within their jurisdiction, use their land use and planning

Comment [A87]: See discussion in section 3.8 of the comment letter.

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authorities, to the extent that they may lawfully impose requirements, to implement a development planning program in accordance with the strategies identified in the Water Quality Improvement Plan and includes, at a minimum, the following requirements:

STRATEGIES TO ADDRESS THE HIGHEST PRIORITY WATER QUALITY CONDITIONS

Comment [A88]: See discussion in section 3.8.2 of the comment letter.

Each Copermitttee must describe in its jurisdictional runoff management program document the strategies and/or activities that will be implemented as part of the development planning program to address development and redevelopment projects that may become sources of pollutants and/or stressors that contribute to the highest priority water quality conditions in the Watershed Management Area as follows:

- (1) Provide specific details about how the strategies and/or activities will be implemented (e.g. designate additional or alternative BMPs, focus education, increase frequency of verifications and/or inspections, alternative compliance options);
- (2) Each Copermitttee must identify areas within its jurisdiction where Priority Development Projects may be allowed or should be encouraged to implement or contribute toward the implementation of alternative compliance retrofitting and/or stream, channel, or habitat rehabilitation projects;
- (3) Each Copermitttee should collaborate and cooperate with other Copermitttees and/or entities in the Watershed Management Area to identify regional alternative compliance projects that Priority Development Projects may be allowed or should be encouraged to implement or participate in implementing; and
- (4) The requirements of the programs as outlined in the following sub-provisions may be modified and prioritized as appropriate for consistency with the highest water quality priorities and strategies as identified in the corresponding Water Quality improvement Plan(s). The strategies and/or activities must be consistent with the requirements of Provisions E.3.a-c and E.3.e-f and the strategies identified in the Water Quality Improvement Plan.

a. BMP REQUIREMENTS FOR ALL DEVELOPMENT PROJECTS

Each Copermitttee, as practical and feasible, must prescribe the following BMP requirements during the planning process (i.e. prior to project approval and issuance of local permits) for all development projects (regardless of project type or size), where local permits are issued, including unpaved roads and flood management projects, except emergency / public safety projects implemented for the protection of persons and property:

- (1) General Requirements

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(a) Onsite BMPs must be located so as to remove pollutants from runoff prior to its discharge to any receiving waters, and as close to the source as possible; and

(b) Structural BMPs must not be constructed within a waters of the U.S. ~~or waters of the state.~~

(2) Source Control BMP Requirements

The following source control BMPs must be implemented at all development projects where applicable and feasible:

- (a) Prevention of illicit discharges into the MS4;
- (b) Storm drain system stenciling or signage;
- (c) Properly designed outdoor material storage areas;
- (d) Properly designed outdoor work areas;
- (e) Properly designed trash storage areas; and

(f) Any additional BMPs determined necessary by the Copermitttee to minimize pollutant generation at each project.

(3) Low Impact Development (LID) ~~BMP Requirements~~Principles

The following LID ~~BMPs~~Principles must be implemented at all development projects where applicable and feasible:

- (a) Maintenance or restoration of natural storage reservoirs and drainage corridors (including topographic depressions, areas of permeable soils, natural swales, and ephemeral and intermittent streams);²²
- (b) Buffer zones for natural water bodies (where buffer zones are technically infeasible, require project applicant to include other buffers such as trees, access restrictions, etc.);
- (c) Conservation of natural areas within the project footprint including existing trees, other vegetation, and soils;

Comment [A89]: See discussion in section 3.8.2 of the comment letter.

²² Development projects proposing to dredge or fill materials in waters of the U.S. must obtain a CWA Section 401 Water Quality Certification. Projects proposing to dredge or fill waters of the state must obtain waste discharge requirements.

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- (d) Construction of streets, sidewalks, or parking lot aisles to the minimum widths necessary, provided public safety is not compromised;
- (e) Minimization of the impervious footprint of the project;
- (f) Minimization of soil compaction to landscaped areas;
- (g) Disconnection of impervious surfaces through distributed pervious areas;
- (h) Landscaped or other pervious areas designed and constructed to effectively receive and infiltrate, retain and/or treat runoff from impervious areas, prior to discharging to the MS4;
- (i) Small collection strategies located at, or as close as possible to, the source (i.e. the point where storm water initially meets the ground) to minimize the transport of runoff and pollutants to the MS4 and receiving waters;
- (j) Use of permeable materials for projects with low traffic areas and appropriate soil conditions;
- (k) Landscaping with native or drought tolerant species; and
- (l) Harvesting and using precipitation.

b. PRIORITY DEVELOPMENT PROJECTS

(1) Definition of Priority Development Project

Priority Development Projects include the following:

- (a) All new development projects that fall under the Priority Development Project categories listed under Provision [E.3.b.\(2\)](#) (where a new development project feature, such as a parking lot, falls into a Priority Development Project category, the entire project footprint is subject to Priority Development Project requirements); and
- (b) Those redevelopment projects that create, add, or replace at least 5,000 square feet of impervious surfaces on an already developed site, and the redevelopment project is a Priority Development Project category listed under Provision [E.3.b.\(2\)](#) (where redevelopment results in an increase of less than fifty percent of the impervious surfaces of a previously existing development, and the existing development was not subject to Priority Development Project requirements, the performance requirements of Provisions [E.3.c.\(1\)](#) and [E.3.c.\(2\)](#) apply only to the addition or replacement, and not to the entire development; where redevelopment

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results in an increase of more than fifty percent of the impervious surfaces of a previously existing development, the performance requirements of Provisions E.3.c.(1) and E.3.c.(2) apply to the entire development).

(c) Projects where redevelopment results in an increase of more than fifty percent of impervious surfaces of a previously existing development, and the existing development was subject to previous Priority Project Development Requirements, only the altered portion of development is subject to the new Priority Development Project requirements.

Comment [A90]: See discussion in section 3.8.2 of the comment letter.

(2) Priority Development Project Categories

Comment [A91]: See discussion in section 3.8.2 of the comment letter.

(a) New development projects that create 10,000 square feet or more of impervious surfaces (collectively over the entire project site). This category includes commercial, industrial, residential, mixed-use, and public development projects on public or private land which fall under the planning and building authority of the Copermitttee.

(b) New development projects that create 5,000 square feet or more of impervious surfaces (collectively over the entire project site), and are designed for support one or more of the following uses (see Appendix for definitions):

- (i) Automotive repair shop
- (ii) Restaurant
- (iii) Parking lot²³
- (iv) Street, road, highway, freeway
- (v) Retail gasoline outlet (RGO)

Comment [A92]: See footnote

~~(b) Automotive repair shops. This category is defined as a facility that is categorized in any one of the following Standard Industrial Classification (SIC) codes: 5013, 5014, 5541, 7532-7534, or 7536-7539.~~

~~(c) Restaurants. This category is defined as a facility that sells prepared foods and drinks for consumption, including stationary lunch counters and refreshment stands selling prepared foods and drinks for immediate consumption (SIC code 5812), where the land area for development is 5,000 square feet or more.~~

~~(d) Hillside development projects. This category includes any development which creates 5,000 square feet or more of impervious surface which is~~

²³ Excluding parking lots that are not subject to runoff, such as but not limited to covered or subterranean parking lots

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~~located in an area with known erosive soil conditions, where the development will grade on any natural slope that is twenty-five percent or greater.~~

~~(e)(c) _____ New development projects that create 2,500 square feet or more of impervious surfaces (collectively over the entire project site), and are Environmentally sensitive areas (ESAs). This category includes any development located within, directly adjacent to, or discharging directly to an ESA, which either creates 2,500 square feet of impervious surface on a proposed project site or increases the area of imperviousness of a proposed project site to 10 percent or more of its naturally occurring condition. "Directly adjacent to" means situated within 200 feet of the ESA. "Discharging directly to" means outflow from a drainage conveyance system that collects runoff from the subject development or redevelopment site and terminates at or in receiving waters within the ESA and is not commingled with flows from adjacent or other upstream lands.~~

~~(f) Parking lots. This category is defined as a land area or facility for the temporary parking or storage of motor vehicles used personally, for business, or for commerce that has 5,000 square feet or more of impervious surface.~~

~~(g) Streets, roads, highways, freeways, and driveways. This category is defined as any paved impervious surface that is 5,000 square feet or more used for the transportation of automobiles, trucks, motorcycles, and other vehicles.~~

~~(h) Retail gasoline outlets (RGOs). This category includes RGOs that meet the following criteria: (a) 5,000 square feet or more or (b) a projected Average Daily Traffic (ADT) of 100 or more vehicles per day.~~

~~(j)(d) _____ Large development projects. This category includes any post-construction pollutant-generating new development projects that result in the permanent disturbance of one acre or more of land.~~

(3) Priority Development Project Exemptions

Each Copermitttee has the discretion to exempt the following projects from being defined as Priority Development Projects:

(a) New paved sidewalks, driveways, parking lots, bicycle lanes, or trails that meet the following criteria:

(i) Designed and constructed to direct storm water runoff to adjacent vegetated areas, or other non-erodible permeable areas; OR

Comment [A93]: See discussion in section 3.8.2 of the comment letter.

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- (ii) Designed and constructed to be hydraulically disconnected from paved streets or roads; OR
 - (iii) Designed and constructed with permeable pavements or surfaces in accordance with USEPA Green Streets guidance.²⁴
- (b) ~~Any impervious surface that is 5,000 square feet or more used for the transportation of automobiles, trucks, motorcycles, and other vehicles that is designed and constructed to the Maximum Extent Practicable in accordance with the USEPA Green Streets Guidance "Managing Wet Weather with Green Infrastructure: Green Streets"²⁵. Retrofitting of existing paved alleys, streets or roads that meet the following criteria:~~
- ~~(i) — Must be two lanes or less; AND~~
 - ~~(ii) — Must be a retrofitting project implemented as part of an alternative compliance project option under Provision E.3.c.(3)(b)(v) to achieve the performance requirements of Provisions E.3.c.(1) and/or E.3.c.(2) for a Priority Development Project; AND~~
 - ~~(iii) — Designed and constructed in accordance with the USEPA Green Streets guidance.²⁶~~
- (c) ~~Single-family residential projects that meet the following criteria:~~
- ~~(i) — Must not be constructed as part of a larger development or proposed subdivision;~~
 - ~~(ii) — Successfully incorporate and document that they have incorporated, each of the applicable Source Control and LID BMP strategies identified in provisions E.3.a.(2)-(3) to the MEP.~~
- (c) ~~New single family residences that meet the following criteria:~~
- ~~(i) — Must not be constructed as part of a larger development or proposed subdivision; AND~~
 - ~~(ii) — Designed and constructed to be certified under the U.S. Green Building Council (USGCB) Leadership in Energy and Environmental Design (LEED) for Homes green building certification program, receiving at least four (4) Surface Water Management credits under the Sustainable Sites category²⁷. OR~~
- ~~Designed and constructed with structural BMPs that will achieve the~~

²⁴ USEPA. 2008. http://water.epa.gov/infrastructure/greeninfrastructure/upload/gi_municipalhandbook_green_streets.pdf and http://water.epa.gov/infrastructure/greeninfrastructure/gi_policy.cfm#municipalhandbook. See "Managing Wet Weather with Green Infrastructure — Municipal Handbook: Green Streets" (USEPA, 2008).

²⁶ Ibid.

²⁷ See LEED for Homes rating system at <http://www.usgbc.org>

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~~performance requirements of Provisions E.3.c.(1) and E.3.c.(2) onsite~~
(d) ~~Redevelopment of existing single family residences that meet the following criteria:~~

- ~~(i) Designed and constructed to be certified under the USGCB LEED for Homes green building certification program, receiving at least four (4) Surface Water Management credits under the Sustainable Sites category;²⁸ OR~~
- ~~(ii) Designed and constructed with structural BMPs that will achieve the performance requirements of Provisions E.3.c.(1) and E.3.c.(2) onsite.~~

~~(d) Watershed Protection Projects that meet the following criteria:~~

~~(i) Projects undertaken to rehabilitate or prevent environmental, social, and economic damage to the watershed, including receiving waters, by providing one or more of the following:~~

- ~~• Water quality protection by the proper management of stormwater and floodplains~~
- ~~• Flood risk reduction to adjacent land uses, stored matter and stockpiled material~~
- ~~• Elimination of the comingling of stormwater and hazardous materials~~
- ~~• Erosion Mitigation~~
- ~~• Restoration of Rivers and Ecosystems~~
- ~~• Groundwater Recharge~~
- ~~• Creation of new open space and wetlands~~
- ~~• Programs for water conservation, stormwater capture and management~~
- ~~• Retrofit projects constructed to improve water quality or address hydromodification.~~

~~(ii) AND are not expected to be pollutant generating or are designed to reduce existing pollutant loads~~

~~(iii) AND incorporate and document that they have incorporated, each of the applicable Source Control and LID BMP strategies identified in provisions E.3.a.(2)-(3) to the MEP.~~

~~(e) Emergency public safety projects in any of the Priority Development Categories may be excluded if the delay caused due to the requirement for a SSMP compromises public safety, public health and/or environmental protection~~

²⁸ See LEED for Homes rating system at <http://www.usgbc.org>

Riverside Copermitttee Redlines**c. PRIORITY DEVELOPMENT PROJECT STRUCTURAL BMP PERFORMANCE REQUIREMENTS**

In addition to the BMP requirements listed for all development projects under Provision E.3.a, Priority Development Projects must also implement structural BMPs that conform to performance requirements below. ~~If watershed-specific performance requirements are may be developed as part of a Water Quality Improvement Plan; these requirements would take precedence over the general performance requirements below. The watershed-specific requirement must provide at least equal protection as the general performance requirements below.~~

(1) Storm Water Pollutant Control BMP Requirements

Comment [A94]: See discussion in section 3.8.2 of the comment letter.

Each Copermitttee must require each Priority Development Project to implement onsite structural BMPs to control pollutants in storm water that may be discharged from a project as follows:

(a) Each Priority Development Project must be required to implement LID BMPs that are designed to retain (i.e. intercept, store, infiltrate, evaporate, and evapotranspire) onsite the pollutants contained in the design capture volume. The design capture volume is equivalent to:

- (i) The volume of storm water runoff produced from a 24-hour 85th percentile storm event;²⁹ OR
- (ii) The volume of storm water runoff produced from a 24-hour 85th percentile storm event, that would be retained onsite ~~if-in~~ the pre-project condition, ~~site was fully undeveloped and naturally vegetated, as determined using continuous simulation modeling techniques based on site-specific soil conditions and typical native vegetative cover.~~

(b) A Priority Development Project may be allowed to utilize alternative compliance under Provision E.3.c.(3) in lieu of~~complying~~ with the storm water pollutant control BMP performance requirements of Provision E.3.c.(1)(a).

~~(c) If a Priority Development project is allowed to utilize alternative compliance pursuant to Provisions E.3.c.(1)(b), flow-thru conventional~~

²⁹ This volume is not a single volume to be applied to all areas covered by this Order. The size of the 85th percentile storm event is different for various parts of the San Diego Region. The Copermitttees are encouraged to calculate the 85th percentile storm event for each of its jurisdictions using local rain data pertinent to its particular jurisdiction. In addition, isopluvial maps may be used to extrapolate rainfall data to areas where insufficient data exists in order to determine the volume of the local 85th percentile storm event in such areas. Where the Copermitttees will use isopluvial maps to determine the 85th percentile storm event in areas lacking rain data, the Copermitttees must describe their method for using isopluvial maps in its BMP Design Manuals. The volume is a single event-based volume that occurs after an extended dry period.

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~~treatment control BMPs must be implemented to treat the portion of the design capture volume that is not retained onsite. Additionally, project applicants must mitigate for the portion of the pollutant load in the design capture volume that is not retained onsite through one or more alternative compliance options under Provision E.3.c.(3). Conventional treatment control BMPs must be sized and designed to:~~

- ~~(i) Remove pollutants from storm water to the MEP;~~
- ~~(ii) Filter or treat either: 1) the maximum flow rate of runoff produced from a rainfall intensity of 0.2 inch of rainfall per hour, for each hour of a storm event, or 2) the maximum flow rate of runoff produced by the 85th percentile hourly rainfall intensity (for each hour of a storm event), as determined from the local historical rainfall record, multiplied by a factor of two;~~
- ~~(iii) Be ranked with high or medium pollutant removal efficiency for the Priority Development Project's most significant pollutants of concern. Conventional treatment control BMPs with a low removal efficiency ranking must only be approved by a Copermitttee when a feasibility analysis has been conducted which exhibits that implementation of conventional treatment control BMPs with high or medium removal efficiency rankings are infeasible for a Priority Development Project or portion of a Priority Development Project.~~

(2) Hydromodification Management BMP Requirements

Comment [A95]: See discussion in section 3.8.2 of the comment letter.

Each Copermitttee must require each Priority Development Project ~~disturbing greater than one acre~~ to implement ~~management measures onsite structural BMPs to ensure manage hydromodification that may be caused by storm water runoff discharged from thea project won't cause adverse Hydromodification impacts in the downstream receiving waters~~ as follows:

~~The Copermitttees in each Watershed Management Area may establish within the WQIP, watershed specific mitigation requirements that will apply to priority development projects, based on the susceptibility of the receiving waters to Hydromodification impacts caused by the project, and consistent with the priorities and strategies identified in the WQIP. Such requirements may be uniform across a Hydrologic Unit, or identified at an appropriate smaller scale to ensure that receiving waters are properly protected.~~

- (a) Post-project runoff flow rates and durations must not exceed pre-~~project development (naturally occurring)~~ runoff flow rates and durations by more than 10 percent (for the range of flows that result in increased potential for erosion, or degraded instream habitat conditions downstream of Priority Development Projects).
 - (i) In evaluating the range of flows that results in increased potential for

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erosion of natural (non-hardened) channels, the lower boundary must correspond with the critical channel flow that produces the critical shear stress that initiates channel bed movement or that erodes the toe of channel banks.

~~(ii) For artificially hardened channels, analysis to identify the lower boundary must use characteristics of a natural stream segment similar to that found in the watershed. The lower boundary must correspond with the critical channel flow that produces the critical shear stress that initiates channel bed movement or erodes the toe of the channel banks.~~

~~(iii)(ii)~~ The Copermitttees may use monitoring results collected pursuant to Provision [D.1.a.\(2\)](#) to re-define the range of flows resulting in increased potential for erosion, or degraded instream habitat conditions, as warranted by the data.

(b) ~~Priority Development Projects. Post-project runoff flow rates and durations must implement appropriate measures to minimize the compensate for the loss of sediment supply delivered due to the Receiving Waters, consistent with WQIP priorities, development project,~~ should loss of sediment supply be anticipated to occur as a result of the development project.

(c) A Priority Development Project may be allowed to utilize alternative compliance under Provision [E.3.c.\(3\)](#) ~~in lieu of to comply with~~ the performance requirements of Provisions [E.3.c.\(2\)\(a\)-\(b\)](#).

(d) Exemptions

Each Copermitttee has the discretion to exempt a Priority Development Project from the hydromodification management BMP performance requirements of Provisions [E.3.c.\(2\)\(a\)-\(b\)](#) where the project:

(i) Discharges storm water runoff into existing underground storm drains discharging directly to water storage reservoirs, lakes, enclosed embayments, or the Pacific Ocean;

(ii) Discharges of storm water into conveyance channels whose bed and bank are engineered and maintained for the 10-year ultimate development flow rate all the way from the point of discharge from the project to an water body that is sufficiently resistant to hydromodification (water storage reservoirs, lakes, enclosed embayments, pacific ocean, or other water bodies identified in the WQIP);

~~(iii)(iii)~~ Is a redevelopment Priority Development Project that meets the alternative compliance requirements of Provision [E.3.c.\(3\)\(b\)\(ii\)](#); or

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~~(iii)~~(iv) Discharges storm water runoff into other areas identified by the San Diego Water Board as exempt from the requirements of Provisions E.3.c.(2)(a)-(b), through an approved WQIP.

(3) Alternative Compliance to Onsite Structural BMP Performance Requirements

Comment [A96]: See discussion in section 3.8.2 of the comment letter.

(a) Applicability

At the discretion of each Copermittee, Priority Development Projects may be allowed to implement one or more of the alternative compliance project options described in E.3.c.(3)(b) below, in lieu of complying with the onsite structural BMP performance requirements of Provisions E.3.c.(1) and E.3.c.(2), under the following conditions:

- (i) The Copermittee must determine that implementation of the alternative compliance option will have an equal or greater overall water quality benefit for the Watershed Management Area than fully complying with the performance requirements of Provisions E.3.c.(1) and E.3.c.(2) onsite;
- (ii) The alternative compliance options must be designed by a registered professional engineer, geologist, architect, biologist, hydrologist, landscape architect, or other appropriate certified professional;
- (iii) The alternative compliance option must be consistent with the strategies developed within the WQIP, for the highest priority water quality conditions.
- (iv) The alternative compliance options must be implemented within the same Watershed Management Area as the Priority Development Project, and preferably within the same hydrologic subarea;
- (v) The alternative compliance options must have reliable sources of funding for operation and maintenance.

(b) Alternative Compliance Options

(i) LID Biofiltration Treatment Control BMPs

LID biofiltration treatment control BMPs may be used as an alternative compliance option if the BMPs are sized and designed to:

- [a] Remove pollutants from storm water to the MEP; AND
- [b] Have an appropriate surface loading rate to prevent erosion, scour and channeling; AND
- [c] Biofilter at least 1.0 times the design capture volume that is not reliably retained onsite

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(ii) LEED Certified Redevelopment Projects

Priority Development Projects that are designed and constructed to be certified under the USGCB LEED for New Construction and Major Renovations green building certification program, or other locally accepted certification of equivalent effectiveness, may be considered as an acceptable alternative compliance option if the project meets the following criteria:

- [a] The project is designed to receive at least: One (1) Site Design credit, and Two (2) Stormwater Design credits under the Sustainable Sites category.³⁰, and
- [b] The existing and future configuration of the receiving water must not be unnaturally altered or adversely impacted by the project.

(iii) Watershed-Based Planned Development Projects

Priority Development Projects greater than 100 acres in total project size (or smaller than 100 acres in size yet part of a larger common plan of development that is over 100 acres) may be considered as an acceptable alternative compliance option if the project meets the following conditions:

- [a] The Priority Development Project was planned utilizing watershed and/or subwatershed based water quality, hydrologic, and fluvial geomorphologic planning principles that implement regional LID BMPs in accordance with the performance and location criteria of this Order and acceptable to the San Diego Water Board;
- [b] Regional LID BMPs may be used provided that the BMPs capture and retain the volume of runoff produced from the design capture volume defined in Provision E.3.c.(1)(a)(i) and that such controls are located upstream of receiving waters;
- [c] Regional LID BMPs must clearly exhibit that they will not result in a net impact from pollutant loadings over and above the impact caused by capture and retention of the design capture volume;
- [d] Any portion of the design capture volume that is not retained by the regional LID BMPs must be treated using biofiltration BMPs; and
- [e] Where regional LID BMPs are demonstrated to the Copermitttee as technically infeasible to retain the entire design capture volume, any volume up to and including the design capture volume not retained by regional LID BMPs, nor treated by biofiltration BMPs, must be treated using conventional treatment control BMPs and the project applicant must implement additional alternative compliance project, in-lieu fee and/or water quality

³⁰ See LEED for New Construction and Major Renovations rating system at <http://www.usgbc.org>

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credit system options below.

(iv) Offsite Projects

Offsite Projects, such as but not limited to Regional BMPs;

Retrofitting Projects; Channel, Stream or Habitat Rehabilitation Projects; Water Supply Augmentation Projects; or other Offsite Projects proposed by a project proponent, may be considered as an acceptable alternative compliance option if the offsite project meets the following requirements:

- The project must provide a net result of at least the same level of pollutant removal, and/or protection from potential downstream and upstream erosion in the receiving water as would be required to meet the performance requirements of Provision E.3.c.(1) and E.3.c.(2), as applicable.
- The project must be consistent with the strategies identified in the WQIP.
- The project must be constructed and operational prior to occupancy being granted for the PDP.

(v) Conventional Treatment Control BMPs

Onsite Conventional Treatment Control BMPs may be used as an alternative compliance option, only if the following criteria have been met:

[a] It has been demonstrated to the satisfaction of the Copermittee that it is technically infeasible to comply with the onsite requirements of E.3.c.(1), AND

[b] It has been demonstrated to the satisfaction of the Copermittee that it is technically infeasible to implement onsite Biofiltration Treatment Control BMPs, AND

[c] The Conventional Treatment Control BMPs will remove pollutants from storm water to the MEP; AND

[d] The Conventional Treatment Control BMPs will filter or treat either: 1) the maximum flow rate of runoff produced from a rainfall intensity of 0.2 inch of rainfall per hour, for each hour of a storm event, or 2) the maximum flow rate of runoff produced by the 85th percentile hourly rainfall intensity (for each hour of a storm event), as determined from the local historical rainfall record, multiplied by a factor of two; AND

[e] The Conventional Treatment Control BMPs are ranked with high or medium pollutant removal efficiency for the Priority Development Project's most significant pollutants of concern. Conventional treatment control BMPs with a low removal

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efficiency ranking must only be approved by a Copermitttee when a feasibility analysis has been conducted which exhibits that implementation of conventional treatment control BMPs with high or medium removal efficiency rankings are infeasible for a Priority Development Project or portion of a Priority Development Project.

(a) Applicability

At the discretion of each Copermitttee, Priority Development Projects may be allowed to utilize an alternative option to comply with the onsite structural BMP performance requirements of Provisions E.3.c.(1) and E.3.c.(2) under the following conditions:

- (i) The Copermitttee must determine that implementation of the alternative compliance option will have a greater overall water quality benefit for the Watershed Management Area than fully complying with the performance requirements of Provisions E.3.c.(1) and E.3.c.(2) onsite;
- (ii) The alternative compliance options must be designed by a registered professional engineer, geologist, architect or landscape architect;
- (iii) The alternative compliance options must be implemented within the same hydrologic unit as the Priority Development Project, and preferably within the same hydrologic subarea;
- (iv) Receiving waters must not be utilized to convey storm water runoff to the alternative compliance options;
- (v) The pollutants in storm water runoff from the Priority Development Project must be treated to the MEP by the alternative compliance options prior to being discharged to receiving waters;
- (vi) Unless otherwise allowed by Provision E.3.c.(3)(b), the alternative compliance options must have a net result of at least the same level of pollutant removal as would have been achieved if the Priority Development Project had fully complied with the storm water pollutant control BMP performance requirements of Provision E.3.c.(1) onsite;
- (vii) Unless otherwise allowed by Provision E.3.c.(3)(b), the alternative compliance options must have a net result of at least the same level of protection from potential downstream and upstream erosion in the receiving water as would have been achieved if the Priority Development Project had fully complied with the hydromodification management BMP performance requirements of Provision E.3.c.(2) onsite; and
- (viii) The alternative compliance options utilized by the Priority Development Project must have reliable sources of funding for operation and maintenance.

Riverside Copermitttee Redlines~~(b) Alternative Compliance Project Options~~

~~The Copermitttee may allow implementation of one or more of the following project options as part of an alternative approach to complying with the onsite structural BMP performance requirements of Provisions E.3.c.(1) and E.3.c.(2):~~

~~(i) *Onsite LID Biofiltration Treatment Control BMPs*~~

~~The Copermitttee may allow Priority Development Projects to utilize onsite LID biofiltration treatment control BMPs to comply with the storm water pollutant control BMP performance requirements of Provision E.3.c.(1). Onsite LID biofiltration treatment control BMPs must be sized and designed to:~~

- ~~[a] Remove pollutants from storm water to the MEP; AND~~
- ~~[b] Have an appropriate surface loading rate to prevent erosion, scour and channeling within the BMP; AND~~
- ~~[c] Biofilter at least 1.5 times the design capture volume that is not reliably retained onsite; OR~~
- ~~[d] Biofilter up to the design capture volume that is not reliably retained onsite, AND 1) treat the remaining portion of the design capture volume not retained onsite with conventional treatment control BMPs in accordance with Provision E.3.c.(1)(c), and 2) if necessary, mitigate for the portion of the pollutant load in the design capture volume not retained onsite through one or more alternative compliance project, in-lieu fee and/or water quality credit system options below.~~

~~(ii) *LEED Certified Redevelopment Projects*~~

~~The Copermitttee may allow redevelopment Priority Development Projects to comply with designed and constructed to be certified under the USGCB LEED for New Construction and Major Renovations green building certification program. The Priority Development Project must receive at least one (1) Site Design credit and two (2) Stormwater Design credits under the Sustainable Sites category.³⁴ In addition, the existing and future configuration of the receiving water must not be unnaturally altered or adversely impacted by storm water flow rates and durations discharged from the site.~~

~~(iii) *Watershed Based Planned Development Projects*~~

~~The Copermitttee may allow Priority Development Projects greater than 100 acres in total project size (or smaller than 100 acres in size~~

³⁴ See LEED for New Construction and Major Renovations rating system at <http://www.usgbc.org>

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yet part of a larger common plan of development that is over 100 acres) to comply with the onsite structural BMP performance requirements of Provisions E.3.c.(1) and E.3.c.(2). The Priority Development Project must comply with the following conditions:

- [a] ~~The Priority Development Project was planned utilizing watershed and/or subwatershed based water quality, hydrologic, and fluvial geomorphologic planning principles that implement regional LID BMPs in accordance with the performance and location criteria of this Order and acceptable to the San Diego Water Board;~~
- [b] ~~Regional LID BMPs may be used provided that the BMPs capture and retain the volume of runoff produced from the design capture volume defined in Provision E.3.c.(1)(a)(i) and that such controls are located upstream of receiving waters;~~
- [c] ~~Regional LID BMPs must clearly exhibit that they will not result in a net impact from pollutant loadings over and above the impact caused by capture and retention of the design capture volume;~~
- [d] ~~Any portion of the design capture volume that is not retained by the regional LID BMPs must be treated using biofiltration BMPs; and~~
- [e] ~~Where regional LID BMPs are demonstrated to the Copermitttee as technically infeasible to retain the entire design capture volume, any volume up to and including the design capture volume not retained by regional LID BMPs, nor treated by biofiltration BMPs, must be treated using conventional treatment control BMPs and the project applicant must implement additional alternative compliance project, in lieu fee and/or water quality credit system options below.~~

~~(iv) Offsite Regional BMPs~~

- [a] ~~The Copermitttee may allow Priority Development Projects to utilize offsite regional BMPs to comply with the storm water pollutant control BMP performance requirements of Provision E.3.c.(1) if the offsite regional BMPs have the capacity to receive and retain at least 1.1 times the design capture volume that is not reliably retained onsite.~~
- [b] ~~The Copermitttee may allow Priority Development Projects to utilize offsite regional BMPs to comply with the hydromodification management BMP performance requirements of Provision E.3.c.(2) if the offsite regional BMPs have the capacity to manage the storm water flows rates and durations from the site such that the receiving waters are protected from the potential for increased erosion that would be caused if the unmanaged portion of the runoff was discharged from the site.~~

~~(v) Offsite Retrofitting Projects~~

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~~The Copermitttee may allow Priority Development Projects to utilize offsite retrofitting projects to comply with the storm water pollutant control and hydromodification management BMP performance requirements of Provisions E.3.c.(1) and E.3.c.(2) if the retrofitting projects have been identified within the strategies included in the Water Quality Improvement Plan, or identified as potential retrofitting projects by the Copermitttee pursuant to Provision E.5.~~

~~(vi) *Offsite Channel, Stream, or Habitat Rehabilitation Projects*~~

~~The Copermitttee may allow Priority Development Projects to utilize offsite channel, stream, or habitat rehabilitation projects to comply with the hydromodification management BMP performance requirements of Provision E.3.c.(2) if the rehabilitation projects have been identified within the strategies included in the Water Quality Improvement Plan, or identified as potential channel rehabilitation projects by the Copermitttee pursuant to Provision E.5. The channel, stream, or habitat rehabilitation project cannot be utilized for pollutant treatment except where artificial wetlands are and located upstream of receiving waters.~~

~~(vii) *Offsite Regional Water Supply Augmentation Projects*~~

~~The Copermitttee may allow Priority Development Projects to utilize offsite regional water supply augmentation projects (i.e. groundwater recharge, recycled water, storm water harvesting) to comply with the storm water pollutant control and hydromodification management BMP performance requirements of Provisions E.3.c.(1) and E.3.c.(2) if the projects have been identified within the strategies included in the Water Quality Improvement Plan.~~

~~(viii) *Project Applicant Proposed Alternative Compliance Projects*~~

~~The Copermitttee may allow one or more Priority Development Project applicant(s) to propose and implement alternative compliance projects to comply with the storm water pollutant control and hydromodification management BMP performance requirements of Provisions E.3.c.(1) and E.3.c.(2) if the alternative compliance projects are consistent with, and will address the highest water quality priorities of the Water Quality Improvement Plan, and comply with the requirements of Provision E.3.c.(3)(a).~~

(c) Alternative Compliance In-Lieu Fee Option

The Copermitttee may develop and implement an alternative compliance in-lieu fee option, individually or with other Copermitttees and/or entities, as a means for designing, developing, constructing, operating and/or maintaining offsite alternative compliance projects under Provision [E.3.c.\(3\)\(b\)](#). Priority Development Projects allowed to utilize the

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alternative compliance in-lieu fee option must comply with the following conditions:

- (i) The in-lieu fee must be ~~collected and held in accordance with the Mitigation Fee Act and all other applicable development fee laws, transferred to the Copermitttee (for public projects) or an escrow account (for private projects) prior to the date construction of the Priority Development Project is initiated.~~
- (ii) If the in-lieu fee is applied to the development, design, ~~and~~ construction, operation and maintenance of offsite alternative compliance projects, the following conditions must be met:
 - [a] The offsite alternative compliance projects must ~~meet allow~~ the criteria identified within E.3.c.(3)(b)-, for each Priority Development Project ~~relying onto comply with~~ the alternative compliance project; onsite BMP performance requirements of Provisions E.3.c.(1) and E.3.c.(2);
 - [b] The offsite alternative compliance projects must be constructed as soon as possible, but no later than 4 years after the certificate of occupancy is granted for the first Priority Development Project that contributed funds toward the construction of the offsite alternative compliance projects, unless a longer period of time is ~~provided for in an approved WQI~~ authorized by the San Diego Water Board Executive Officer;
 - ~~[c] The in-lieu fee for the Priority Development Project must include mitigation of the pollutant loads and increased storm water flow rates and durations that are allowed to discharge from the site before the offsite alternative compliance projects are constructed; and~~
 - [d] The in-lieu fee must also include the cost to operate and maintain the offsite alternative compliance projects for the anticipated life of the constructed priority development project.
- (iii) If the in-lieu fee ~~applies only is applied~~ to the operation and maintenance of offsite alternative compliance projects that have already been constructed, the offsite alternative compliance projects must ~~meet allow~~ the requirements of E.3.c.(3)(a)(iv) and (v) as applicable, for each Priority Development Project ~~relying onto comply with~~ the alternative compliance project; onsite structural BMP performance requirements of Provisions E.3.c.(1) and E.3.c.(2).

Comment [A97]: Please see Legal Comments.

(d) Alternative Compliance Water Quality Credit System Option

The Copermitttee may develop and implement an alternative compliance water quality credit system option, individually or with other Copermitttees

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and/or entities, provided that such a credit system clearly exhibits that it will not allow discharges from Priority Development Projects to cause or contribute to a net impact over and above the impact caused by projects meeting the onsite structural BMP performance requirements of Provisions E.3.c.(1) and E.3.c.(2). Any credit system that a Copermitttee chooses to implement must be submitted to the San Diego Water Board Executive Officer for review and acceptance as part of the Water Quality Improvement Plan.

(4) Long-Term Structural BMP Maintenance

Each Copermitttee must require the project applicant to submit proof of the mechanism under which ongoing long-term maintenance of all structural BMPs will be conducted.

(5) Infiltration and Groundwater Protection

- (a) Structural BMPs designed to primarily function as large, centralized infiltration devices (such as large infiltration trenches and infiltration basins) must not cause or contribute to an exceedance of an applicable groundwater quality objective. At a minimum, such infiltration BMPs must be in conformance with the design criteria listed below, unless the development project applicant demonstrates to the Copermitttee that one or more of the specific design criteria listed below are not necessary to protect groundwater quality. The design criteria listed below do not apply to small infiltration systems dispersed throughout a development project.
- (i) Runoff must undergo pretreatment such as sedimentation or filtration prior to infiltration;
 - (ii) Pollution prevention and source control BMPs must be implemented at a level appropriate to protect groundwater quality at sites where infiltration BMPs are to be used;
 - (iii) Infiltration BMPs must be adequately maintained to remove pollutants in storm water to the MEP;
 - (iv) The vertical distance from the base of any infiltration BMP to the seasonal high groundwater mark must be at least 10 feet. Where groundwater basins do not support beneficial uses, this vertical distance criteria may be reduced, provided groundwater quality is maintained;
 - (v) The soil through which infiltration is to occur must have physical and chemical characteristics (e.g., appropriate cation exchange capacity, organic content, clay content, and infiltration rate) which are adequate for proper infiltration durations and treatment of runoff for the protection of groundwater beneficial uses;
 - (vi) Infiltration BMPs must not be used for areas of industrial or light

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industrial activity, and other high threat to water quality land uses and activities as designated by each Copermitee, unless first treated or filtered to remove pollutants prior to infiltration; and

- (vii) Infiltration BMPs must be located a minimum of 100 feet horizontally from any water supply wells.

- (b) The Copermitee may develop, individually or with other Copermitees, alternative mandatory design criteria to that listed above for infiltration BMPs which are designed to primarily function as centralized infiltration devices. Before implementing the alternative design criteria in the development planning process the Copermitee(s) must:
 - (i) Notify the San Diego Water Board of the intent to implement the alternative design criteria submitted; and
 - (ii) Comply with any conditions set by the San Diego Water Board.

d. BMP DESIGN MANUAL UPDATE

Each Copermitee must update and implement its BMP Design Manual³² pursuant to Provision F.2.b. ~~Until the Copermitee has updated its BMP Design Manual with the requirements of Provisions E.3.a-c, the Copermitee must continue implementing its current BMP Design Manual. Unless directed otherwise by the San Diego Water Board, the Copermitee must implement the BMP Design Manual within 180 days of completing the update.~~ The update of the BMP Design Manual must include the following:

Comment [A98]: This info was incorporated into F.2.b.

- (1) Updated procedures to determine the nature and extent of storm water requirements applicable to a potential development or redevelopment projects. These procedures must inform project applicants of the storm water management requirements applicable to their project including, but not limited to, general requirements for all development projects, structural BMP design procedures and requirements, hydromodification management requirements, requirements specific to phased projects, and procedures specific to private developments and public improvement projects;

- (2) Updated procedures to identify ~~pollutants and conditions of concern for selecting~~ the most appropriate structural BMPs that consider, at a minimum, the following:

(a) The requirements of E.3.c.(1) and (2)

~~(a)(b)~~ Receiving water quality (including pollutants for which receiving waters are listed as impaired under the CWA section 303(d) List);

³² The BMP Design Manual was formerly known as the Standard Storm Water Mitigation Plan under Order Nos. R9-2007-0001, R9-2009-0002, and R9-2010-0016.

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| ~~(b)~~(c) _____ Pollutants, stressors, and/or receiving water conditions that cause or contribute to the highest priority water quality conditions identified in the Water Quality Improvement Plan;

| ~~(e)~~(d) _____ Land use type of the project and pollutants associated with that land use type; and

| ~~(d)~~(e) _____ Pollutants expected to be present onsite.

- (3) Updated procedures for designing structural BMPs, including any updated performance requirements to be consistent with the requirements of Provision [E.3.c](#) for all structural BMPs listed in the BMP Design Manual;
- (4) Long-term maintenance criteria for each structural BMP listed in the BMP Design Manual; and
- (5) Alternative compliance criteria, in accordance with the requirements under Provision [E.3.c.\(3\)](#), if the Copermitttee elects to allow Priority Development Projects within its jurisdiction to utilize alternative compliance.

e. PRIORITY DEVELOPMENT PROJECT BMP IMPLEMENTATION AND OVERSIGHT

Each Copermitttee must implement a program that requires and confirms structural BMPs on all Priority Development Projects are designed, constructed, and maintained to remove pollutants in storm water to the MEP.

(1) Structural BMP Approval and Verification Process

- (a) Each Copermitttee must require and confirm that for all Priority Development Project applications that have not received prior lawful approval by the Copermitttee by 18 months after the commencement of coverage under this Order, the requirements of Provision [E.3](#) are implemented. For project applications that have received prior lawful approval by 18 months after the commencement of coverage under this Order, the Copermitttee may allow previous land development requirements to apply.
- | (b) Each Copermitttee must identify the roles and responsibilities of [their](#) various municipal departments in implementing the structural BMP requirements, including each stage of a project from application review and approval through BMP maintenance and inspections.
- (c) Each Copermitttee must require and confirm that appropriate easements and ownerships are properly recorded in public records and the information is conveyed to all appropriate parties when there is a change in project or site ownership.

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- (d) Each Copermitttee must require and confirm that prior to occupancy and/or intended use of any portion of the Priority Development Project, each structural BMP is inspected to verify that it has been constructed and is operating in compliance with all of its specifications, plans, permits, ordinances, and the requirements of this Order.

(2) Priority Development Project Inventory and Prioritization

- (a) Each Copermitttee must develop, maintain, and update ~~at regularly at least annually,~~ a watershed-based database to track and inventory all ~~constructed~~ Priority Development Projects and associated structural BMPs within its jurisdiction. Inventories must be accurate and complete beginning from January 2002 for the San Diego County Copermitttees, February 2003 for the Orange County Copermitttees, and July 2005 for the Riverside County Copermitttees, ~~where data is available.~~ The use of an automated database system, such as GIS, is highly recommended. The database must include, at a minimum, the following information:

- (i) Priority Development Project location (address and hydrologic subarea);
- (ii) Descriptions of structural BMP type(s);
- (iii) Date(s) of construction;
- (iv) Party responsible for structural BMP maintenance;
- (v) Dates and findings of structural BMP maintenance verifications; and
- (vi) Corrective actions and/or resolutions ~~when applicable.~~

- (b) Each Copermitttee must prioritize the Priority Development Projects with structural BMPs within its jurisdiction. The designation of Priority Development Projects as high priority must consider the following:

- (i) The highest water quality priorities identified in the Water Quality Improvement Plan;
- (ii) Receiving water quality;
- (iii) Number and sizes of structural BMPs;
- (iv) Recommended maintenance frequency of structural BMPs;
- (v) Likelihood of operation and maintenance issues of structural BMPs;
- (vi) Land use and expected pollutants generated; and
- (vii) Compliance record.

(3) Structural BMP Maintenance Verifications and Inspections

Each Copermitttee is required to verify that structural BMPs on each Priority

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Development Project are adequately maintained, and continue to operate effectively to remove pollutants in storm water to the MEP through inspections, self-certifications, surveys, or other equally effective approaches.

- (a) All (100 percent) of the structural BMPs at Priority Development Projects that are designated as high priority must be inspected directly by the Copermitttee annually prior to each rainy season;
- (b) For verifications performed through a means other than direct Copermitttee inspection, adequate documentation must be required by the Copermitttee to provide assurance that the required maintenance of structural BMPs at each Priority Development Project has been completed; and
- (c) Appropriate follow-up measures (including re-inspections, enforcement, etc.) must be conducted to ensure that structural BMPs at each Priority Development Project continue to reduce pollutants in storm water to the MEP as originally designed.

f. DEVELOPMENT PROJECT ENFORCEMENT

Each Copermitttee must enforce its legal authority established pursuant to Provision E.1 for all development projects, as necessary, to achieve compliance with the requirements of this Order, in accordance with its Enforcement Response Plan pursuant to Provision E.6.

g. ~~STRATEGIES TO ADDRESS THE HIGHEST PRIORITY WATER QUALITY CONDITIONS~~

Comment [A99]: This section was moved to the beginning of provision E.3.

~~Each Copermitttee must describe in its jurisdictional runoff management program document the strategies and/or activities that will be implemented as part of the development planning program to address development and redevelopment projects that may become sources of pollutants and/or stressors that contribute to the highest priority water quality conditions in the Watershed Management Area as follows:~~

- ~~(5) Provide specific details about how the strategies and/or activities will be implemented (e.g. designate additional BMPs, focus education, increase frequency of verifications and/or inspections, alternative compliance options);~~
- ~~(6) Each Copermitttee must identify areas within its jurisdiction where Priority Development Projects may be allowed or should be encouraged to implement or contribute toward the implementation of alternative compliance retrofitting and/or stream, channel, or habitat rehabilitation projects;~~
- ~~(7) Each Copermitttee should collaborate and cooperate with other Copermitttees and/or entities in the Watershed Management Area to identify regional alternative compliance projects that Priority Development Projects may be allowed or should be encouraged to implement or participate in implementing; and~~

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~~(8) The strategies and/or activities must be consistent with the requirements of Provisions E.3.a-c and E.3.e-f and the strategies identified in the Water Quality Improvement Plan.~~

4. Construction Management

Each Copermittee must implement a construction management program in accordance with the strategies identified in the Water Quality Improvement Plan and includes, at a minimum, the following requirements:

STRATEGIES TO ADDRESS THE HIGHEST PRIORITY WATER QUALITY CONDITIONS

Comment [A100]: This section was moved from provision E.4.f. Changes are shown in Redline

Each Copermittee must describe in its jurisdictional runoff management program document the strategies and/or activities that will be implemented as part of the construction management program to address construction sites that the Copermittee has identified as potential sources of pollutants and/or stressors that contribute to the highest priority water quality conditions in the Watershed Management Area as follows:

- (1) Provide specific details about how the strategies and/or activities will be implemented (e.g. designate additional BMPs, focus education, and/or increase/decrease frequency of inspections for specific types of sites and/or activities); and
- ~~(2) The strategies and/or activities must be consistent with the requirements of Provisions E.4.c-e and the strategies identified in the Water Quality Improvement Plan.~~
- ~~(3) The requirements of the programs as outlined in the following sub-provisions may be modified and prioritized as appropriate for consistency with the highest water quality priorities and strategies as identified in the corresponding Water Quality improvement Plan(s).~~

a. PROJECT APPROVAL PROCESS

Prior to issuance of any local permit(s) that allows the commencement of construction projects that involve ground disturbance or soil disturbing activities that ~~has the reasonable potential to discharge a pollutant load to and from the MS4, as defined in each Copermittees' JRMP can potentially generate pollutants in storm water runoff~~, each Copermittee must:

- (1) Require a ~~site-specific-Pollution Control Plan~~ ~~pollution control~~, construction BMP, and/or erosion and sediment control plan, to be submitted by the project applicant to the Copermittee;

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- (2) Confirm the ~~Pollution Control Plan~~pollution control, construction BMP, and/or erosion and sediment control plan, complies with the local grading ordinance, other applicable local ordinances, and the requirements of this Order;
- (3) Confirm the ~~Pollution Control Plan~~pollution control, construction BMP, and/or erosion and sediment control plan, includes seasonally appropriate and effective BMPs and management measures described in Provision E.4.c, as applicable to the project; and
- (4) Verify that the project applicant has obtained coverage under applicable permits, including, but not limited to the Construction General Permit, ~~Clean Water Act Section 401 Water Quality Certification and Section 404 Permit, and California Department of Fish and Game Streambed Alteration Agreement.~~

b. CONSTRUCTION SITE INVENTORY AND TRACKING

- (1) Each Copermittee must maintain, and update ~~at least monthly~~regularly, a watershed-based inventory of all construction projects issued a local permit that allows ground disturbance or soil disturbing activities that can potentially generate pollutants in storm water runoff. The use of an automated database system, such as GIS, is highly recommended. The inventory must include:
 - (a) Relevant contact information for each site (e.g., name, address, phone, and email for the owner and contractor);
 - (b) The basic site information including location (address and hydrologic subarea), Waste Discharge Identification (WDID) number (if applicable), size of the site, and approximate area of disturbance;
 - (c) Whether or not the site is considered a high threat to water quality, as defined in Provision E.4.b.(2) below;
 - (d) The project start and ~~anticipated~~ completion dates;
 - ~~(e) Current construction phase;~~
 - ~~(f)~~(e) The required inspection frequency, as defined in the Copermittee's jurisdictional runoff management program document;
 - ~~(g)~~(f) The date the Copermittee accepted and/or approved the ~~site-specific~~ pollution control plan, construction BMP, and/or erosion and sediment control plan; and
 - ~~(h)~~(g) Whether or not there are ongoing enforcement actions administered to the site.

Comment [A101]: Some of the info can only be updated based on an inspection, which may or may not be monthly year round for all sites.

Comment [A102]: The anticipated completion date is often unknown and can fluctuate based on unpredictable and unforeseen circumstances. Keeping track of accurate dates in an inventory would be difficult and would not add significant value to the database. Construction Inspectors keep a close eye on the progress of projects and would not need to rely on inventory data to achieve effective stormwater management and oversight. Once a project is completed, the date can be entered into the database.

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- (2) Each Copermitttee must identify all construction sites within its jurisdiction that represent a high threat to downstream surface water quality. The designation of construction sites as high threat to water quality must consider the following:
- (a) Sites located within a hydrologic subarea where sediment is known or suspected to contribute to the highest priority water quality conditions identified in the Water Quality Improvement Plan;
 - (b) Sites located within the same hydrologic subarea and tributary to a water body segment listed as impaired for sediment on the CWA section 303(d) List;
 - (c) Sites located within, directly adjacent to, or discharging directly to a receiving water within an ESA; and
 - (d) Other sites determined by the Copermitttees or the San Diego Water Board as a high threat to water quality.

c. CONSTRUCTION SITE BMP IMPLEMENTATION

Comment [A103]: See discussion in section 3.9.1 of the comment letter.

Each Copermitttee must implement, or require the implementation of effective BMPs (for Copermitttee construction sites and private construction sites, respectively) to reduce discharges of pollutants in storm water runoff from construction sites to the MEP, and effectively prohibit~~prevent~~ non-storm water discharges from construction sites into the MS4. These BMPs must be site specific, seasonally appropriate, and construction phase appropriate. BMPs must be implemented at each construction site year round. Dry season BMP implementation must plan for and address unseasonal rain events that may occur during the dry season (May 1 through September 30). Copermitttees must implement, or require the implementation of, BMPs in the following categories:

- (1) Project Planning;
- (2) Good Site Management “Housekeeping”, including waste management;
- (3) Non-storm Water Management;
- (4) Erosion Control;
- (5) Sediment Control;
- (6) Run-on and Run-off Control; and
- (7) Active/Passive Sediment Treatment Systems, where applicable.

Riverside Copermitttee Redlines**d. CONSTRUCTION SITE INSPECTIONS**

Each Copermitttee must conduct construction site inspections to require and confirm compliance with its local permits and applicable local ordinances, and the requirements of this Order. Priority for site inspections must consider threat to water quality pursuant to Provision [E.4.b](#) as well as the nature of the construction activity, topography, and the characteristics of soils and receiving water quality.

(1) Inspection Frequency

- (a) Each Copermitttee must conduct inspections at all inventoried sites, including high threat to water quality sites, at an appropriate frequency for each phase of construction to ~~confirm~~~~ensure~~ the site reduces the discharge of pollutants in ~~runoff~~~~storm water~~ from construction sites to the MEP, and ~~effectively~~ prevents non-storm water discharges from entering the MS4.
- (b) Each Copermitttee must establish appropriate inspection frequencies for high threat to water quality sites, and all other sites, for each phase of construction. Inspection frequencies appropriate for addressing the highest water quality priorities identified in the Water Quality Improvement Plan, and for complying with the requirements of this Order must be identified in each Copermitttee's jurisdictional runoff management program document.
- (c) Based upon inspection findings, each Copermitttee must implement all follow-up actions (i.e., re-inspection, enforcement) necessary to require and confirm site compliance with its local permits and applicable local ordinances, and the requirements of this Order.

(2) Inspection Content

Inspections of construction sites by the Copermitttee must include, at a minimum:

- (a) Verification of coverage under the Construction General Permit (Notice of Intent (NOI) and/or WDID number) during initial inspections, when applicable;
- (b) Assessment of compliance with its local permits and applicable local ordinances related to pollution prevention, including the implementation and maintenance of applicable BMPs;
- (c) Assessment of BMP adequacy and effectiveness;
- (d) Visual observations of actual non-storm water discharges;

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- (e) Visual observations of actual or potential discharge of sediment and/or construction related materials from the site;
- (f) Visual observations of actual or potential illicit connections; and
- (g) If any violations are found and BMP corrections are needed, inspectors must take and document appropriate actions in accordance with the Enforcement Response Plan pursuant to Provision [E.6](#).

(3) Inspection Tracking and Records

Each Copermitttee must track all inspections and re-inspections at all inventoried construction sites. The Copermitttee must retain all inspection records in an electronic database or tabular format, which must be made available to the San Diego Water Board upon request. Inspection records must include, at a minimum:

- (a) Site name, location (address and hydrologic subarea), and WDID number (if applicable);
- (b) Inspection date;
- (c) ~~Weather condition during~~Approximate amount of rainfall since last inspection;
- (d) Description of problems observed with BMPs and indication of need for BMP addition/repair/replacement and any scheduled re-inspection, and date of re-inspection;
- (e) Descriptions of any other specific inspection comments which must, at a minimum, include rationales for longer compliance time;
- (f) Description of enforcement actions issued in accordance with the Enforcement Response Plan pursuant to Provision [E.6](#); and
- (g) Resolution of problems noted and date problems fixed.

e. CONSTRUCTION SITE ENFORCEMENT

Each Copermitttee must enforce its legal authority established pursuant to Provision [E.1](#) for all its inventoried construction sites, as necessary, to achieve compliance with the requirements of this Order, in accordance with its Enforcement Response Plan pursuant to Provision [E.6](#).

5. Existing Development Management

Comment [A104]: See discussion in section 3.10 of the comment letter.

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Each Copermitttee must implement an existing development management program in accordance with the strategies identified in the Water Quality Improvement Plan, and includes, at a minimum, the following requirements:

STRATEGIES TO ADDRESS THE HIGHEST PRIORITY WATER QUALITY CONDITIONS

Comment [A105]: Moved from sub-provision e. Changes shown in redline

Each Copermitttee must implement the water quality improvement strategies, where necessary, to address areas of existing development within its jurisdiction that are identified as sources of pollutants and/or stressors contributing to the highest priority water quality conditions in the Watershed Management Area. For the existing development management program, the following strategies must be implemented:

(1) Specific Existing Development Management Program Strategies

Each Copermitttee must describe in its jurisdictional runoff management program document the strategies and/or activities that will be implemented within its jurisdiction to address areas of existing development that the Copermitttee has identified as sources of pollutants and/or stressors that contribute to the highest priority water quality conditions in the Watershed Management Area as follows:

- (a) Provide specific details about how the strategies and/or activities will be implemented (e.g. designate additional BMPs, focus education, and/or increase/decrease frequency of inspections for specific types of facilities, areas and/or activities);
- (b) The facilities and/or areas within the Copermitttee's jurisdiction where the strategies and/or activities will be implemented; and

(2) The requirements of the programs as outlined in the following sub-provisions may be modified and prioritized as appropriate for consistency with the highest water quality priorities and strategies as identified in the corresponding Water Quality improvement Plan(s). The strategies and/or activities must be consistent with the requirements of Provisions E.5.b-d and the strategies identified in the Water Quality Improvement Plan.

a. EXISTING DEVELOPMENT INVENTORY AND TRACKING

Each Copermitttee must maintain, and update at least annually, a watershed-based inventory of the existing development within its jurisdiction that ~~may~~has the reasonable potential to ~~may~~ discharge a high priority pollutant load to and from the MS4, as defined in the Copermitttee's JRMP. The use of an automated database system, such as GIS, is highly recommended. The inventory must, at a minimum, evaluate and include the following if identified as a source of a high priority pollutant~~include~~:

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- (1) Name, location (hydrological subarea and address, if applicable) of the following types of existing development with its jurisdiction:
 - (a) Commercial facilities or areas;
 - (b) Industrial facilities;
 - (c) Copermitttee owned Municipal facilities, including:
 - (i) MS4 and related structures,³³
 - (ii) Roads, streets, and highways,
 - (iii) Parking facilities,
 - (iv) Municipal airfields,
 - (v) Parks and recreation facilities,
 - (vi) Flood management projects and flood control devices and structures,
 - (vii) Operating or closed municipal landfills,
 - (viii) Publicly owned treatment works (including water and wastewater treatment plants) and sanitary sewer collection systems,
 - (ix) Corporate yards, including maintenance and storage yards for materials, waste, equipment, and vehicles,
 - (x) Hazardous waste collection facilities,
 - (xi) Other treatment, storage or disposal facilities for municipal waste, and
 - (xii) Other Copermitttee owned municipal facilities that the Copermitttee determines may contribute a significant high priority pollutant load to the MS4; and
 - (d) Residential areas, which may be designated by one or more of the following:
 - (i) Residential management area,
 - (ii) Drainage basin or area,
 - (iii) Land use (e.g., single family, multi-family, rural),
 - (iv) Neighborhood,

³³ The inventory may refer to the MS4 map required to be maintained pursuant to Provision [E.2.b.\(1\)](#).

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- (v) Common Interest Area,
 - (vi) Home Owner Association,
 - (vii) Mobile home park, and/or
 - (viii) Other designations accepted by the San Diego Water Board Executive Officer.
- (2) A description of the facility or area, including the following information:
- (a) Classification as commercial, industrial, municipal, or residential;
 - (b) Status of facility or area as active or inactive;
 - (c) Identification if a business is a mobile business;
 - (d) SIC Code or NAICS Code, if applicable;
 - (e) Industrial General Permit NOI and/or WDID number, if applicable;
 - (f) Identification if a residential area is or includes a Common Interest Area / Home Owner Association, or mobile home park;
 - (g) Identification of pollutants generated and potentially generated by the facility or area;
 - (h) Whether the facility or area is adjacent to an ESA;
 - (i) Whether the facility or area is tributary to and within the same hydrologic subarea as a water body segment listed as impaired on the CWA section 303(d) List and generates pollutants for which the water body segment is impaired; and
 - (j) Whether the facility or area contributes or potentially contributes to the highest priority water quality conditions identified in the Water Quality Improvement Plan.
- (3) An annually updated map showing the location of inventoried existing development, watershed boundaries, and water bodies.

b. EXISTING DEVELOPMENT BMP IMPLEMENTATION AND MAINTENANCE

Each Copermitttee must designate a minimum set of BMPs required for all inventoried existing development, including special event venues. The designated minimum BMPs must be specific to facility or area types and pollutant generating activities, as appropriate.

Riverside Copermitttee Redlines(1) Commercial, Industrial, and Municipal Facilities and Areas

(a) Pollution Prevention

Each Copermitttee must require the use of appropriate pollution prevention methods by the commercial, industrial, and municipal facilities and areas in its inventoried existing development, as determined necessary by the Copermitttee to address the priorities and strategies addressed in the WQIP.

(b) BMP Implementation

Each Copermitttee must ~~implement, or~~ require the implementation of, designated BMPs at commercial facilities and areas, industrial facilities, and implement designated BMPs at municipal facilities in its inventoried existing development, as determined necessary by the Copermitttee to address the priorities and strategies addressed in the WQIP.

Comment [A106]: See discussion in section 3.10.2 of the comment letter.

(c) BMP Operation and Maintenance

- (i) Each Copermitttee must properly operate and maintain, or require the proper operation and maintenance of designated BMPs at commercial facilities and areas, industrial facilities, and municipal facilities in its inventoried existing development.
- (ii) Each Copermitttee must implement a schedule of operation and maintenance activities for its MS4 and related structures (including but not limited to catch basins, storm drain inlets, detention basins, etc.), and verify proper operation of all its municipal structural treatment controls designed to reduce pollutants (including floatables) in storm water discharges to or from its MS4s and related drainage structures. Operation and maintenance activities may include, but is not limited to, the following:
 - [a] Inspections of the MS4 and related structures;
 - [b] Cleaning of the MS4 and related structures; and
 - [c] Proper disposal of materials removed from cleaning of the MS4 and related structures.
- (iii) Each Copermitttee must implement a schedule of operation and maintenance for public streets, unpaved roads, paved roads, and paved highways and freeways within its jurisdiction to minimize pollutants that can be discharged in storm water.
- (iv) Each Copermitttee must implement the following controls to prevent infiltration of sewage into the MS4 from leaking sanitary sewers:

[a]- Copermitttees that operate both a municipal sanitary sewer system and a MS4 must implement controls and measures to

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prevent and eliminate seeping sewage from infiltrating the MS4.

~~[b]~~ Copermittees that do not operate both a municipal sanitary sewer system and a MS4 must coordinate with sewerage agencies to keep themselves informed of relevant and appropriate maintenance activities and sanitary sewage projects in their jurisdiction that may cause or contribute to seepage of sewage into the MS4.

(d) Pesticides, Herbicides, and Fertilizers BMPs

Comment [A107]: See discussion in section 3.10.2 of the comment letter.

Each Copermittee must ~~implement BMPs, or~~ require the implementation of BMPs, to reduce pollutants in ~~runoffstorm water~~ discharges to the MEP and effectively prohibit non-storm water discharges associated with the application, storage, and disposal of pesticides, herbicides and fertilizers from commercial facilities and areas, industrial facilities, and ~~implement such BMPs at~~ municipal facilities in its inventoried existing development. Such BMPs must include, as appropriate, educational activities, permits, certifications and other measures for applicators and distributors.

(2) Residential Areas

(a) Pollution Prevention

Each Copermittee must promote and encourage the use of pollution prevention methods, where appropriate, by the residential areas in its inventoried existing development.

(b) BMP Implementation

Each Copermittee must promote and encourage the implementation of designated BMPs at residential areas in its inventoried existing development.

(c) BMP Operation and Maintenance

Each Copermittee must properly operate and maintain, or require the proper operation and maintenance of designated BMPs at residential areas in its inventoried existing development.

(d) Pesticides, Herbicides, and Fertilizers BMPs

Each Copermittee must promote and encourage the implementation of BMPs to reduce pollutants in ~~runoffstorm water~~ discharges to the MEP and effectively prohibit non-storm water discharges associated with the application, storage, and disposal of pesticides, herbicides and fertilizers from residential areas in its inventoried existing development.

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c. EXISTING DEVELOPMENT INSPECTIONS

Each Copermittee must conduct inspections of inventoried existing development that have been identified by the Copermittee as having the reasonable potential to discharge pollutant loads from their MS4, to ensure compliance with applicable local ordinances and permits, and the requirements of this Order.

(1) Inspection Frequency

(a) Each Copermittee must establish appropriate inspection frequencies for inventoried existing development in accordance with the following requirements:

- (i) At a minimum, inventoried existing development must be inspected once every five years utilizing one or more of the following methods:
 - [a] Drive-by inspections by Copermittee municipal and contract staff,
 - [b] Onsite inspections by Copermittee municipal and contract staff, and/or
 - [c] Inspections by volunteer monitoring or patrol programs trained by the Copermittee;
- (ii) The frequency of inspections must be appropriate to confirm that BMPs are being implemented to reduce the discharge of pollutants in runoff storm water from the MS4 to the MEP and effectively prohibit non-storm water discharges to the MS4;
- (iii) The frequency of inspections must be based on the potential for a facility or area to discharge non-storm water and pollutants in storm water, and should reflect the priorities set forth in the Water Quality Improvement Plan;

~~(iv) Each Copermittee must annually perform onsite inspections of an equivalent of at least 20 percent of the commercial facilities and areas, industrial facilities, and municipal facilities in its inventoried existing development;³⁴ and~~

~~(v)~~(iv) Inventoried existing development must be inspected by the Copermittee, as needed, in response to valid public complaints and findings from the Copermittee’s municipal and contract staff or volunteer monitoring or patrol program inspections.

(b) Based upon inspection findings, each Copermittee must implement all follow-up actions (i.e. education and outreach, re-inspection, enforcement) necessary to require and confirm compliance with its applicable local

Comment [A108]: Recommend keeping this instead of SD proposed 'during the permit term'. The 'during the permit term' language is problematic for businesses that are added to the inventory during the permit term. For example, if a business is added to the inventory one month before the expiration of the permit, it may not be reasonable to expect it to be immediately inspected. It is also problematic for Riverside (and OC?), who may be added to the permit less than two years before the end of the permit term.

Comment [A109]: See discussion in section 3.10.2 of the comment letter.

~~³⁴ If any commercial, industrial, or municipal facilities or areas require multiple onsite inspections during any given year, those additional inspection may count toward the total annual inspection requirement. This requirement excludes linear municipal facilities (i.e., MS4, streets, roads and highways).~~

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ordinances and permits and the requirements of this Order, in accordance with its Enforcement Response Plan pursuant to Provision [E.6](#).

(2) Inspection Content

- (a) Inspections of existing development by the Copermitttee or volunteer monitoring or patrol programs must include, at a minimum:
 - (i) Visual inspections for actual non-storm water discharges, if present;
 - (ii) Visual inspections for actual or potential discharge of pollutants, if present;
 - (iii) Visual inspections for actual or potential illicit connections, if present; and
 - (iv) Verification that the description of the facility or area in the inventory, required pursuant to Provision [E.5.a.\(2\)](#), has not changed.
- (b) Onsite inspections of existing development by the Copermitttee must include, at a minimum:
 - (i) Assessment of compliance with its applicable local ordinances and permits related to non-storm water and storm water discharges and runoff;
 - (ii) Assessment of the implementation of the designated BMPs;
 - (iii) Verification of coverage under the Industrial General Permit, when applicable; and
 - (iv) If any problems or violations are found, inspectors must take and document appropriate actions in accordance with the Enforcement Response Plan pursuant to Provision [E.6](#).

(3) Inspection Tracking and Records

Each Copermitttee must track all inspections and re-inspections at all inventoried existing development. The Copermitttee must retain all inspection records in an electronic database or tabular format, which must be made available to the San Diego Water Board upon request. Inspection records must include, at a minimum:

- (a) Name and location of facility or area (address and hydrologic subarea) consistent with the inventory name and location, pursuant to Provision [E.5.a.\(1\)](#);
- (b) Inspection and re-inspection date(s);
- (c) Inspection method(s) (i.e. drive-by, onsite);

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- (d) Observations and findings from the inspection(s);
- (e) For onsite inspections of existing development by Copermitttee municipal or contract staff, the records must also include, as applicable:
 - (i) Description of any problems or violations found during the inspection(s),
 - (ii) Description of enforcement actions issued in accordance with the Enforcement Response Plan pursuant to Provision E.6, and
 - (iii) The date problems or violations were resolved.

d. EXISTING DEVELOPMENT ENFORCEMENT

Each Copermitttee must enforce its legal authority established pursuant to Provision E.1 for all its inventoried existing development, as necessary, to achieve compliance with the requirements of this Order, in accordance with its Enforcement Response Plan pursuant to Provision E.6.

e. RETROFITTING AND REHABILITATION STRATEGIES TO ADDRESS THE HIGHEST PRIORITY WATER QUALITY CONDITIONS

~~Each Copermitttee must implement the water quality improvement strategies, where necessary, to address areas of existing development within its jurisdiction that are identified as sources of pollutants and/or stressors contributing to the highest priority water quality conditions in the Watershed Management Area. For the existing development management program, the following strategies must be implemented:~~

~~(3) Specific Existing Development Management Program Strategies~~

~~Each Copermitttee must describe in its jurisdictional runoff management program document the strategies and/or activities that will be implemented within its jurisdiction to address areas of existing development that the Copermitttee has identified as sources of pollutants and/or stressors that contribute to the highest priority water quality conditions in the Watershed Management Area as follows:~~

- ~~(a) Provide specific details about how the strategies and/or activities will be implemented (e.g. designate additional BMPs, focus education, and/or increase/decrease frequency of inspections for specific types of facilities, areas and/or activities);~~
- ~~(b) The facilities and/or areas within the Copermitttee's jurisdiction where the strategies and/or activities will be implemented; and~~

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~~(e)(a) The strategies and/or activities must be consistent with the requirements of Provisions E.5.b-d and the strategies identified in the Water Quality Improvement Plan.~~

~~(4)(3) Retrofitting Areas of Existing Development~~

~~Where identified in the WQIP as a required strategy to address the highest priority water quality conditions, each~~ Each Copermitttee must describe in its jurisdictional runoff management program document, a program to retrofit areas of existing development within its jurisdiction to address identified sources of pollutants and/or stressors that contribute to the highest priority water quality conditions in the Watershed Management Area. The program must be implemented as follows:

- (a) Each Copermitttee must, where necessary pursuant to the strategies identified in the WQIP, identify areas of existing development as candidates for retrofitting, focusing on areas where retrofitting will address pollutants and/or stressors that contribute to the highest priority water quality conditions identified in the Water Quality Improvement Plan;
- (b) Candidates for retrofitting projects may be utilized to reduce pollutants that may be discharged in storm water from areas of existing development, and/or address storm water runoff flows and durations from areas of existing development that cause or contribute to hydromodification in receiving waters;
- (c) Each Copermitttee must develop a strategy to facilitate the implementation of retrofitting projects, where needed in areas of existing development identified as candidates;
- (d) Each Copermitttee should identify areas of existing development where Priority Development Projects may be allowed or should be encouraged to implement or contribute toward the implementation of alternative compliance retrofitting projects; and
- (e) Where retrofitting projects within specific areas of existing development are determined to be infeasible to address the highest priority water quality conditions in the Water Quality Improvement Plan, the Copermitttee should collaborate and cooperate with other Copermitttees and/or entities in the Watershed Management Area to identify, develop, and implement regional retrofitting projects (i.e. projects that can receive and/or treat storm water from one or more areas of existing development and will result in a net benefit to water quality and the environment) adjacent to and/or downstream of the areas of existing development.

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(5)(4) Stream, Channel and/or Habitat Rehabilitation in Areas of Existing Development

Where identified in the WQIP as a required strategy to address the highest priority water quality conditions, each Each Copermitttee must describe in its jurisdictional runoff management program document, a program to rehabilitate streams, channels, and/or habitats in areas of existing development within its jurisdiction to address the highest priority water quality conditions in the Watershed Management Area. The program must be implemented as follows:

- (a) Each Copermitttee must, where necessary pursuant to the strategies identified in the WQIP, identify streams, channels, and/or habitats in areas of existing development as candidates for rehabilitation, focusing on areas where stream, channel, and/or habitat rehabilitation projects will address the highest priority water quality conditions identified in the Water Quality Improvement Plan;
- (b) Candidates for stream, channel, and/or habitat rehabilitation projects may be utilized to address storm water runoff flows and durations from areas of existing development that cause or contribute to hydromodification in receiving waters, rehabilitate channelized or hydromodified streams, restore wetland and riparian habitat, restore watershed functions, and/or restore-protect beneficial uses of receiving waters;
- (c) Each Copermitttee must develop a strategy to facilitate the implementation of stream, channel, and/or habitat rehabilitation projects, where needed, in areas of existing development identified as candidates;
- (d) Each Copermitttee should identify areas of existing development where Priority Development Projects may be allowed or should be encouraged to implement or contribute toward the implementation of alternative compliance stream, channel, and/or habitat rehabilitation projects; and
- (e) Where stream, channel, and/or habitat rehabilitation projects within specific areas of existing development are determined to be infeasible to address the highest priority water quality conditions in the Water Quality Improvement Plan, the Copermitttee should collaborate and cooperate with other Copermitttees and/or entities in the Watershed Management Area to identify, develop, and implement regional stream, channel, and/or habitat rehabilitation projects (i.e. projects that can receive storm water from one or more areas of existing development and will result in a net benefit to water quality and the environment).

(5) Upon Regional Board Executive Officer approval the Copermitttees may reallocate resources in the WQIPs for retrofit and rehabilitation project(s).

6. Enforcement Response Plans

Each Copermitttee must develop and implement an Enforcement Response Plan as part of its jurisdictional runoff management program document. The Enforcement Response Plan must describe the applicable approaches and options to enforce its legal authority established pursuant to Provision E.1, as necessary, to achieve compliance with the requirements of this Order. Copermitttees may continue to utilize and implement established, equivalent guidelines and procedures for enforcement. If such equivalent guidelines and procedures have not been developed, the Enforcement Response Plan must include the following:

a. ENFORCEMENT RESPONSE PLAN COMPONENTS

The Enforcement Response Plan must include the following individual components:

- (1) Illicit Discharge Detection and Elimination Enforcement Component;
- (2) Development Planning Enforcement Component;
- (3) Construction Management Enforcement Component; and
- (4) Existing Development Enforcement Component.

b. ENFORCEMENT RESPONSE APPROACHES AND OPTIONS

Each component of the Enforcement Response Plan must describe the enforcement response approaches that the Copermitttee will implement to compel compliance with its statutes, ordinances, permits, contracts, orders, or similar means, and the requirements of this Order. The description must include the protocols for implementing progressively stricter enforcement responses. The enforcement response approaches must include appropriate sanctions, as legally appropriate, to compel compliance, including, at a minimum, the following tools or their equivalent:

- (1) Verbal and written notices of violation;
- (2) Cleanup requirements;
- (3) Fines;
- (4) Bonding requirements;

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- (5) Administrative and criminal ~~(if intentional or criminally negligent)~~ penalties;
- (6) Liens;
- (7) Stop work orders; and
- (8) Permit and occupancy denials.

c. CORRECTION OF VIOLATIONS

- (1) Violations must be corrected in a timely manner with the goal of correcting the violations within 30 calendar days after the violations are discovered, or prior to the next predicted rain event, whichever is sooner.
- (2) ~~The status of the enforcement actions. If more than 30 calendar days are required to achieve compliance, then a rationale~~ must be recorded ~~and updated~~ in the applicable electronic database or tabular system used to track violations.

Comment [A110]: This is just asking for paperwork violations if someone forgets to write a specific justification – even if all appropriate steps are being diligently pursued. Request alternatively to simply require that the status be updated as appropriate.

d. ~~ESCALATED~~ ~~PROGRESSIVE~~ ENFORCEMENT

- (1) The Enforcement Response Plan must include a definition of “~~escalated progressive~~ enforcement.” ~~Escalated-Progressive~~ enforcement must include ~~a series of enforcement actions that match the severity of the violations and include distinct, progressive steps. any enforcement scenario where a violation or other non-compliance is determined to cause or contribute to the highest priority water quality conditions identified in the Water Quality Improvement Plan.~~ ~~Escalated-Progressive~~ enforcement may be defined differently for development planning, construction sites, commercial facilities or areas, industrial facilities, municipal facilities, and/or residential areas.
- (2) Where the Copermittee determines ~~escalated the identified progressive~~ enforcement ~~steps is/are~~ not required, a rationale must be recorded in the applicable electronic database or tabular system used to track violations.
- (3) ~~Escalated-Progressive~~ enforcement actions must continue to increase in severity, as necessary, to compel compliance as soon as possible.

Comment [A111]: See discussion in section 3.11.2 of the comment letter.

e. REPORTING OF NON-COMPLIANT SITES

- (1) Each Copermittee must notify the San Diego Water Board in writing within ~~225 calendar~~ ~~2-working~~ days of issuing escalated enforcement (as defined in the Copermittee’s Enforcement Response Plan) to a construction site that poses a significant threat to water quality as a result of violations or other non-compliance with its permits and applicable local ordinances, and the requirements of this Order. Written notification may be provided electronically by email.

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- (2) Each Copermitttee must notify the San Diego Water Board of non-filers under the Industrial General Permit and Construction General Permit by email to Nonfilers_R9@waterboards.ca.gov.

7. Public Education and Participation

Each Copermitttee must implement, individually or with other Copermitttees, a public education and participation program in accordance with the strategies identified in the Water Quality Improvement Plan to promote and encourage the development of programs, management practices, and behaviors that reduce the discharge of pollutants in ~~runoffstorm-water~~ to the MEP, prevent controllable non-storm water discharges from entering the MS4, and protect water quality standards in receiving waters.

STRATEGIES TO ADDRESS THE HIGHEST PRIORITY WATER QUALITY CONDITIONS

Comment [A112]: Recommended move from (c)

Each Copermitttee must describe in its jurisdictional runoff management program document the strategies and/or activities that will be implemented within its jurisdiction, as applicable, to educate the public and encourage public participation to address potential sources of pollutants and/or stressors that contribute to the highest priority water quality conditions in the Watershed Management Area as follows:

- (1) The target audiences and/or areas within the Copermitttee's jurisdiction where the strategies and/or activities will be implemented;
- (2) Provide specific details about how the strategies and/or activities will be implemented (e.g. educational topics, materials and/or activities, public outreach and participation programs and/or opportunities);
- (3) Each Copermitttee should collaborate and cooperate with other Copermitttees and/or entities in the Watershed Management Area to identify and implement regional public education and participation activities, programs and opportunities;
- (4) Each Copermitttee must incorporate a mechanism for evaluating and assessing educational and other public outreach activities, as needed, to identify progress and incorporate modifications necessary to increase the effectiveness of the public education and participation program.

(5) The requirements of the programs as outlined in the following sub-provisions

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may be modified and prioritized as appropriate for consistency with the highest water quality priorities and strategies as identified in the corresponding Water Quality improvement Plan(s).

a. PUBLIC EDUCATION

The public education program component implemented within the Copermitttee's jurisdiction must include, at a minimum, the following:

- (1) Educational activities, public information activities, and other appropriate outreach activities intended to reduce pollutants associated with the ~~application of pesticides, herbicides and fertilizer and other pollutants of concern in storm water discharges to and from its MS4 to the MEP, as determined and prioritized by the Copermitttee(s) by jurisdiction and/or watershed to address the~~ highest priority water quality conditions identified in the Water Quality Improvement Plan;
- (2) Educational activities, public information activities, and other appropriate outreach activities to facilitate the proper management and disposal of used oil and toxic materials; and
- (3) Appropriate education and training measures for specific target audiences, such as construction site operators, residents, underserved target audiences and school-aged children, as determined and prioritized by the Copermitttee(s) by jurisdiction and/or watershed, based on high risk behaviors and pollutants of concern.

b. PUBLIC PARTICIPATION

The public participation program component implemented within the Copermitttee's jurisdiction must include, at a minimum, the following:

- (1) A process for members of the public to participate in updating the highest priority water quality conditions, numeric goals, and water quality improvement strategies in the Water Quality Improvement Plan.
- (2) Opportunities for members of the public to participate in providing the Copermitttee recommendations for improving the effectiveness of the water quality improvement strategies implemented within its jurisdiction.
- (3) Opportunities for members of the public to participate in programs and/or activities that can result in the prevention or elimination of non-storm water discharges to the MS4, reduction of pollutants in ~~storm water~~ discharges from

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the MS4, and/or ~~restoration and~~ protection of the quality of receiving waters.

8. Fiscal Analysis

- a. ~~Each Copermitttee must secure the resources necessary to meet all the requirements of this Order.~~
- b. Each Copermitttee must conduct an annual fiscal analysis of its jurisdictional runoff management program in its entirety. The fiscal analysis must include the following:
 - (1) Identification of the various categories of expenditures necessary to implement the requirements of this Order, including a description of the specific capital, operation and maintenance, and other expenditure items to be accounted for in each category of expenditures;
 - (2) The staff resources needed and allocated to meet the requirements of this Order, including any development, implementation, and enforcement activities required;
 - (3) The estimated expenditures for Provisions [E.8.b.\(1\)](#) and [E.8.b.\(2\)](#) for the current fiscal year; and
 - (4) The source(s) of funds that are proposed to meet the necessary expenditures described in Provisions [E.8.b.\(1\)](#) and [E.8.b.\(2\)](#), including legal restrictions on the use of such funds, for the current fiscal year and next fiscal year.
- c. Each Copermitttee must submit a summary of the annual fiscal analysis with each Annual Report required pursuant to Provision [F.3.b](#).
- d. Each Copermitttee must provide the documentation used to develop the summary of the annual fiscal analysis upon request by the San Diego Water Board.

Comment [A113]: Since the monitoring period is different than a fiscal year, we won't be able to consistently and accurately report monitoring costs incurred by the Copermitttees. (which are a big part of overall budgets)

Comment [A114]: Please see Legal Comments.

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F. **REPORTING**

Comment [A115]: See discussion in section 3.14 of the comment letter.

The purpose of this provision is to determine and document compliance with the requirements set forth in this Order. The goal of reporting is to communicate to the San Diego Water Board and the people of the State of California the implementation status of each jurisdictional runoff management program and compliance with the requirements of this Order. This goal is to be accomplished through the submittal of specific deliverables to the San Diego Water Board by the Copermittees.

1. **Water Quality Improvement Plans**

Comment [A116]: See discussion in section 3.14.1 of the comment letter.

The Copermittees for each Watershed Management Area must develop and submit the Water Quality Improvement Plan in accordance with the following requirements:

a. **WATER QUALITY IMPROVEMENT PLAN DEVELOPMENT**

Each Water Quality Improvement Plan must be developed in accordance with the following process:

(1) Priority Water Quality Conditions and Numeric Goals

- (a) The Copermittees must implement a public participation process to solicit data and information to be utilized in the development and identification of the priority water quality conditions for the Watershed Management Area.
- (b) The Copermittees are encouraged to involve the public and key stakeholders as early and often as possible during the development of the priority water quality conditions and numeric goals to be included in the Water Quality Improvement Plan.
- (c) Within 6 months after the commencement of coverage under this Order, the Copermittees must develop and submit the Water Quality Improvement Plan requirements of Provision [B.2](#) to the San Diego Water Board. The San Diego Water Board will issue a public notice and solicit public comments on the Water Quality Improvement Plan for a minimum of 60 days.
- (d) The Copermittees must revise the priority water quality conditions and numeric goals based on comments received and/or recommendations or direction from the San Diego Water Board Executive Officer.

(2) Water Quality Improvement Strategies and Schedules

- (a) The Copermittees are encouraged to involve the public and key stakeholders as early and often as possible during the development of the water quality improvement strategies and schedules to be included in the Water Quality Improvement Plan.

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- (b) Within 9 months after ~~receipt~~~~the commencement~~ of public comments and/or recommendations from the Executive Officer per (1)(c) above~~coverage under this Order~~, the Copermitttees must develop and submit the Water Quality Improvement Plan requirements of Provision B.3 to the San Diego Water Board. The San Diego Water Board will issue a public notice and solicit public comments on the Water Quality Improvement Plan for a minimum of 60 days.
- (c) The Copermitttees must revise the water quality improvement strategies and schedules based on comments received and/or recommendations or direction from the San Diego Water Board Executive Officer.

b. WATER QUALITY IMPROVEMENT PLAN SUBMITTAL

- (1) Within ~~6~~~~18~~ months after ~~receipt~~~~the commencement~~ of public comments and/or recommendations from the Executive Officer per (2)(c) above~~coverage under this Order~~, the Copermitttees for each Watershed Management Area must submit a complete Water Quality Improvement Plan in accordance with the requirements of Provision B to the San Diego Water Board. The San Diego Water Board will issue a public notice and solicit public comments on the Water Quality Improvement Plan for a minimum of 30 days.
- (2) Based on the comments received, the San Diego Water Board will determine whether to hold a public hearing or to limit public input to submittal of written comments. If no hearing is held the San Diego Water Board will notify the Copermitttees within 6 months that the Water Quality Improvement Plan has been accepted as complete following its review and determination that the Water Quality Improvement Plan meets the requirements of this Order.
- (3) The Copermitttees must revise the Water Quality Improvement Plan based on comments received and/or recommendations or direction from the San Diego Water Board Executive Officer.
- (4) The Water Quality Improvement Plan must be made available on the Regional Clearinghouse required pursuant to Provision F.4 within 30 days of acceptance by the San Diego Water Board.
- (5) Copermitttees must commence with implementation of the BMP strategies identified in the Water Quality Improvement Plan no later than the fiscal year (July 1) following San Diego Water Board approval of the Water Quality Improvement Plan, and the monitoring strategies identified in the Water Quality Improvement Plan no later than October 1st (or May 1st, whichever is sooner) following the San Diego Water Board approval of the Water Quality Improvement Plan.

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2. Updates

Comment [A117]: See discussion in section 3.14.1 of the comment letter.

a. JURISDICTIONAL RUNOFF MANAGEMENT PROGRAM DOCUMENT UPDATES

Each Copermitttee must update its jurisdictional runoff management program document in accordance with the following requirements:

- (1) Each Copermitttee is encouraged to involve the public and key stakeholders as early and often as possible to solicit recommendations for updates to its jurisdictional runoff management program document.
- (2) Each Copermitttee must update its jurisdictional runoff management program document to incorporate the requirements of Provision E and the strategies identified in the applicable WQIPs no later than 648 months after approvalthe commencement of the applicable Water Quality Improvement Plans (or updates thereto), coverage under this Order.
- (3) The updated JRMP document must be implemented beginning July 1st following completion of the update, unless directed otherwise by the Executive Officer.
- ~~(3)~~(4) Each Copermitttee must submit any subsequent updates to its jurisdictional runoff management program, with a rationale for the modifications, either in the Annual Report required pursuant to Provision F.3.b, or as part of the Report of Waste Discharge required pursuant to Provision F.5.b.
- ~~(4)~~(5) The Copermitttee must revise the modifications as directed by the San Diego Water Board Executive Officer.
- ~~(5)~~(6) Updated jurisdictional runoff management program documents must be made available on the Regional Clearinghouse required pursuant to Provision F.4 within 30 days of submitting the Annual Report.

b. BMP DESIGN MANUAL UPDATES

Each Copermitttee must update its BMP Design Manual in accordance with the following requirements:

- (1) Each Copermitttee must update its BMP Design Manual to incorporate the requirements of Provisions E.3.a-d, and E.3.g. no later than 648 months after approvalthe commencement of the applicable Water Quality Improvement Plans.
- (2) Unless directed otherwise by the San Diego Water Board, the Copermitttee must implement the updated BMP Design Manual within 180 days of

Comment [A118]: This is necessary for the WQIP strategies to inform the Development Planning process

Comment [A119]: An implementation date was missing from the Tentative Order

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completing updates to the BMP Design Manual.

~~(1)~~(3) Until the Copermitttee begins implementation of its updated BMP Design Manual, the Copermitttee must continue implementing its current BMP Design Manual coverage under this Order.

Comment [A120]: This was moved to here

~~(2)~~(4) Subsequent updates must be consistent with the requirements of Provisions E.3.a-d and must be submitted as part of the Annual Reports required pursuant to Provision F.3.b, or as part of the Report of Waste Discharge required pursuant to Provision F.5.b.

~~(3)~~(5) Updated BMP Design Manuals must be made available on the Regional Clearinghouse required pursuant to Provision F.4 within 30 days of completing the update.

c. WATER QUALITY IMPROVEMENT PLAN UPDATES

The Water Quality Improvement Plans must be updated in accordance with the following process:

- (1) The Copermitttees must implement a public participation process to solicit data and information to be utilized in updating the Water Quality Improvement Plan.
- (2) The Copermitttees are encouraged to involve the public and key stakeholders as early and often as possible during the updates to the Water Quality Improvement Plan.
- (3) The Copermitttees for each Watershed Management Area must submit requested updates to the Water Quality Improvement Plan, with the public input received and the rationale for the requested updates, either in the Annual Reports required pursuant to Provision F.3.b, or as part of the Report of Waste Discharge required pursuant to Provision F.5.b. The requested updates are considered accepted by the San Diego Water Board if no response is provided to the Copermitttee after 3 months of submitting the request.
- (4) The Copermitttees must revise the requested updates as directed by the San Diego Water Board Executive Officer.
- (5) Updated Water Quality Improvement Plans must be made available on the Regional Clearinghouse required pursuant to Provision F.4 within 30 days of acceptance of the requested updates by the San Diego Water Board.

3. Progress Reporting

Comment [A121]: See discussion in section 3.14.1 of the comment letter.

Riverside Copermittee Redlines**a. PROGRESS REPORT PRESENTATIONS**

The Copermittees for each Watershed Management Area must appear before the San Diego Water Board, as requested by the San Diego Water Board, to provide progress reports on the implementation of the Water Quality Improvement Plan and jurisdictional runoff management programs.

b. ANNUAL REPORTS

Comment [A122]: See discussion in section 3.14.1 of the comment letter.

(1) Transitional Period JRMP Reports: Each Copermittee must complete and submit a Jurisdictional Runoff Management Program Annual Report Form (Attachment D or accepted revision) no later than October 31 of each year prior to the implementation of updated JRMP programs pursuant to F.2.a. Each Copermittee must submit the information on the Jurisdictional Runoff Management Program Annual Report Form specific to the area within its jurisdiction in each Watershed Management Area.

(2) Transitional Period Monitoring Report: The transitional period monitoring conducted pursuant to D.1.a and D.2.a. shall be reported in a single report that covers the entire reporting period from the initiation of the transitional period monitoring (as described in D.1.a and D.2.a.), through September 30th following approval of the Water Quality Improvement Plan. The Transitional Period Monitoring Report shall include the assessments required per D.4.a.(1)(a), D.4.b.(1)(a) and D.4.b.(2)(a); and be submitted by January 31st following completion of the above mentioned transitional period.

(4)(3) Post-Transitional Annual Reports – Following the initial transitional period after enrollment into this Order, the Copermittees for each Watershed Management Area must submit an combined Annual Report for each reporting period no later than January 31 of the following year. The annual reporting period consists of two periods: 1) July 1 to June 30 of the following year for the jurisdictional runoff management programs, 2) October 1 to September 30 of the following year for the monitoring and assessment programs. ~~The first Annual Report must be prepared for the reporting period beginning July 1 after commencement of coverage under this Order, and upon San Diego Water Board determination that the Water Quality Improvement Plan meets the requirements of this Order to June 30 in the following year for the jurisdictional runoff management programs, and September 30 in the following year for the monitoring and assessment programs.~~ Annual Reports must be made available on the Regional Clearinghouse required pursuant to Provision F.4. Each Annual Report must include the following:

- (a) The receiving water and MS4 outfall discharge monitoring data collected pursuant to Provisions D.1 and D.2, summarized and presented in tabular and graphical form;

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- (b) Progress of the special studies required pursuant to Provision D.3, and the results or findings when a special study, or each phase of a special study, is completed;
- (c) The findings from the applicable assessments required pursuant to Provision D.4;
- (d) The progress of implementing the Water Quality Improvement Plan, including, but not limited to, the following:
 - (i) The progress toward achieving the interim and final numeric goals for the highest water quality priorities for the Watershed Management Area,
 - (ii) The water quality improvement strategies that were implemented and/or no longer implemented by each of the Copermitttees during the reporting period and previous reporting periods, and are planned to be implemented during the next reporting period,
 - (iii) Proposed modifications to the water quality improvement strategies, with public input received and rationale for the proposed modifications,
 - (iv) Previously proposed modifications or updates incorporated into the Water Quality Improvement Plan and/or each Copermitttee's jurisdictional runoff management program document and implemented by the Copermitttees in the Watershed Management Area, and
 - (v) Proposed modifications or updates to the Water Quality Improvement Plan and/or each Copermitttee's jurisdictional runoff management program document;
- (e) A completed Jurisdictional Runoff Management Program Annual Report Form ([Attachment D](#) or accepted revision) for each Copermitttee in the Watershed Management Area, certified by a Principal Executive Officer, Ranking Elected Official, or Duly Authorized Representative.

Comment [A123]: Not all are required annually.

~~(2) Each Copermitttee must complete and submit a Jurisdictional Runoff Management Program Annual Report Form (Attachment D or accepted revision) no later than October 31 of each year until the first Annual Report is required to be submitted. Each Copermitttee must submit the information on the Jurisdictional Runoff Management Program Annual Report Form specific to the area within its jurisdiction in each Watershed Management Area.~~

Comment [A124]: Adapted into new section (1)

~~(3)~~(4) Each Copermitttee must provide any data or documentation utilized in

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developing the Annual Report upon request by the San Diego Water Board. ~~AnyAnyCopermittteeAny~~ monitoring data utilized in developing the Annual Report must be uploaded to the California Environmental Data Exchange Network (CEDEN).³⁵ Any Copermitttee monitoring and assessment data utilized in developing the Annual Report must be provided on the Regional Clearinghouse required pursuant to Provision F.4.

C. REGIONAL MONITORING AND ASSESSMENT REPORT

- (1) The Copermitttees must submit a Regional Monitoring and Assessment Report no later than 180 days in advance of the expiration date of this Order. The Regional Monitoring and Assessment Report may be submitted as part of the Report of Waste Discharge required pursuant to Provision F.5.b. The Regional Monitoring and Assessment Report shall incorporate the Integrated Assessment of the Water Quality Improvement Plan per D.4.d.
- ~~(1) The Copermitttees must review the receiving water and MS4 outfall discharge monitoring data collected pursuant to Provisions D.1 and D.2, and findings from the assessments required pursuant to Provision D.4, to assess the following:~~
- ~~(2)~~
- ~~(3) The beneficial uses of the receiving waters within the San Diego Region that are protected or must be restored;~~
- ~~(4)~~
- ~~(5) The progress toward restoring impacted beneficial uses in the receiving waters within the San Diego Region; and~~
- ~~(6)~~
- ~~(7) Pollutants or conditions of emerging concern that may impact beneficial uses in the receiving waters within the San Diego Region.~~
- ~~(8)~~
- ~~(9) The Regional Monitoring and Assessment Report must include recommendations for improving the implementation and assessment of the Water Quality Improvement Plans and jurisdictional runoff management programs.~~
- (2) Each Copermitttee must provide any data or documentation utilized in developing the Regional Monitoring and Assessment Report upon request by the San Diego Water Board. Any monitoring and assessment data utilized in developing the Regional Monitoring and Assessment Report must be provided on the Regional Clearinghouse required pursuant to Provision F.4.

³⁵ Data must be uploaded to CEDEN Southern California Regional Data Center (<http://www.sccwrp.org/Data/DataSubmission/SouthernCaliforniaRegionalDataCenter.aspx>) using the templates provided on the CEDEN website.

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4. Regional Clearinghouse

The Copermitttees must develop, update, and maintain an internet-based Regional Clearinghouse that is made available to the public no later than 18 months after the effective date of this Order.³⁶

a. The Copermitttees, through the Regional Clearinghouse, must make the following documents and data available, organized by Watershed Management Area, which may be linked to other internet-based data portals and databases where the original documents are stored:

- (1) Water Quality Improvement Plan for the Watershed Management Area, and all updated versions with date of update;
- (2) Annual Reports for the Watershed Management Area;
- (3) Jurisdictional Runoff Management Program document for each Copermitttee within the Watershed Management Area, and all updated versions with date of update;
- (4) BMP Design Manual for each Copermitttee within the Watershed Management Area, and all updated versions with date of update;
- (5) Reports from special studies (e.g. source identification, BMP effectiveness assessment) conducted in the Watershed Management Area;
- (6) Monitoring data collected pursuant to Provision D for each Watershed Management Area must be uploaded to CEDEN,³⁷ with links to the uploaded data; and
- (7) Available GIS data, layers, and/or shapefiles used to develop the maps generated and maintained by the Copermitttees for the Water Quality Improvement Plans, Annual Reports, and jurisdictional runoff management program documents.

b. The Copermitttees, through the Regional Clearinghouse, must make the following information and documents available:

- (1) Contact information (point of contact, phone number, email address, and mailing address) for each Copermitttee;

³⁶ The Copermitttee may elect to develop and maintain the clearinghouse(s) provided by other Copermitttees or agencies.

³⁷ Data must be uploaded to CEDEN Southern California Regional Data Center (<http://www.sccwrp.org/Data/DataSubmission/SouthernCaliforniaRegionalDataCenter.aspx>) using the templates provided on the CEDEN website.

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- (2) Public hotline number for reporting non-storm water and illicit discharges for each Copermittee;
- (3) Email address for reporting non-storm water and illicit discharges for each Copermittee;
- (4) Link to each Copermittee's website, if available, where the public may find additional information about the Copermittee's storm water management program and for requesting records for the implementation of its program;
- (5) Information about opportunities for the public to participate in programs and/or activities that can result in the prevention or elimination of non-storm water discharges to the MS4, reduction of pollutants in ~~storm-water~~ discharges from the MS4, and/or restoration and protection of the quality of receiving waters; and
- (6) Reports from regional monitoring programs in which the Copermittees participate (e.g. Southern California Monitoring Coalition, Southern California Coastal Water Research Project Bight Monitoring);
- (7) Regional Monitoring and Assessment Reports; and
- (8) Any other information, data, and documents the Copermittees determine as appropriate for making available to the public.

5. Report of Waste Discharge

- a. The Orange County Copermittees and the Riverside County Copermittees are required to submit a complete Report of Waste Discharge pursuant to the requirements of their current Orders. The San Diego Water Board will review and consider the Reports of Waste Discharge to determine whether modification to this Order, pursuant to the requirements of Provision H, will be required prior the Orange County Copermittees and/or Riverside County Copermittees becoming covered under this Order. The current Orders for the Orange County Copermittees and Riverside County Copermittees are rescinded upon notification of coverage under this Order except for enforcement purposes.
- b. The Copermittees subject to the requirements of this Order must submit to the San Diego Water Board a complete Report of Waste Discharge as an application for the re-issuance of this Order and NPDES permit. The Report of Waste Discharge must be submitted no later than 180 days in advance of the expiration date of this Order. The Report of Waste Discharge must contain the following minimum information:
 - (1) Names and addresses of the Copermittees;

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- (2) Names and titles of the primary contacts of the Copermittees;
- (3) Proposed changes to the Copermittees' Water Quality Improvement Plans and the supporting justification;
- (4) Proposed changes to the Copermittees' jurisdictional runoff management programs and the supporting justification;
- (5) Any other information necessary for the re-issuance of this Order;
- (6) Any information to be included as part of the Report of Waste Discharge pursuant to the requirements of this Order; and
- (7) Any other information required by federal regulations for NPDES permit reissuance.

6. Application for Early Coverage

- a. The Orange County Copermittees, collectively, or Riverside County Copermittees, collectively, may apply for early coverage under this Order by submitting a [Report of Waste Discharge Form 200](#),¹⁷ with a written request for early coverage under this Order.
- b. The San Diego Water Board will review the application for early coverage. A notification of coverage under this Order will be issued to the Copermittees in the respective county by the San Diego Water Board upon completion of the early coverage application requirements. The effective coverage date will be specified in the notification of coverage. The Copermittees in the respective county are authorized to have MS4 discharges pursuant to the requirements of this Order starting on the effective coverage date specified in the notification of coverage. The existing Order for the respective county is rescinded upon the effective coverage date specified in the notification of coverage except for enforcement purposes.

Comment [A125]: This form requests information that is not applicable to MS4s.

7. Reporting Provisions

Each Copermittee must comply with all the reporting and recordkeeping provisions of the Standard Permit Provisions and General Provisions contained in [Attachment B](#) to this Order.

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G. PRINCIPAL WATERSHED COPERMITTEE RESPONSIBILITIES

1. The Copermitttees within each Watershed Management Area must designate a Principal Watershed Copermitttee and notify the San Diego Water Board of the name of the Principal Watershed Copermitttee. ~~An individual Copermitttee should not be designated a Principal Watershed Copermitttee for more than two Watershed Management Areas.~~—The notification may be submitted with the Water Quality Improvement Plan required pursuant to Provision [F.1](#) of this Order.
2. The Principal Watershed Copermitttee is responsible for, at a minimum, the following:
 - a. Serving as liaison between the Copermitttees in the Watershed Management Area and the San Diego Water Board on general permit issues, and when necessary and appropriate, representing the Copermitttees in the Watershed Management Area before the San Diego Water Board.
 - b. Facilitating the development of the Water Quality Improvement Plan in accordance with the requirements of Provision [B](#) of this Order
 - c. Coordinating the submittal of the deliverables required by Provisions [F.1](#), [F.2](#), [F.3.a](#), and [F.3.b](#) of this Order.
 - d. Coordinating ~~the development of and developing~~, with the other Principal Watershed Copermitttees, the requirements of Provisions [F.3.c](#), [F.4](#), and [F.5.b](#) of this Order.

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H. MODIFICATION OF PROGRAMS

1. Modifications of the Order may be initiated by the San Diego Water Board or by the Copermitttees, including as part of the ROWD process applicable to the Orange County and Riverside County Copermitttees. Requests by Copermitttees must be made to the San Diego Water Board.
2. Minor modifications to the Order may be made by the San Diego Water Board Executive Officer, where the proposed modification complies with all the effective prohibitions and limitations, and other requirements of this Order.
3. Proposed modifications to the Order outside of the WQIP process that are not minor require amendment of this Order in accordance with this Order's rules, policies, and procedures.
4. The San Diego Water Board may re-open and modify this Order at any time prior to its expiration, after opportunity for public comment and a public hearing, if the State Water Board determines that revisions are warranted to those provisions of the Order addressing compliance with water quality standards in the receiving water and/or those provisions of the Order establishing an iterative process for implementation of management practices to assure compliance with water quality standards in the receiving water.

I. STANDARD PERMIT PROVISIONS AND GENERAL PROVISIONS

Each Copermitttee must comply with all the Standard Permit Provisions and General Provisions contained in [Attachment B](#) to this Order.

ATTACHMENT A

DISCHARGE PROHIBITIONS AND SPECIAL PROTECTIONS

1. Basin Plan Waste Discharge Prohibitions

California Water Code Section 13243 provides that a Regional Water Board, in a water quality control plan, may specify certain conditions or areas where the discharge of waste or certain types of waste is not permitted. The following waste discharge **effective** prohibitions in the Water Quality Control Plan for the San Diego Basin (Basin Plan) are applicable to any person, as defined by Section 13050(c) of the California Water Code, who is a citizen, domiciliary, or political agency or entity of California whose activities in California could affect the quality of waters of the state within the boundaries of the San Diego Region.

1. The discharge of waste to waters of the state in a manner causing, or threatening to cause a condition of pollution, contamination or nuisance as defined in California Water Code Section 13050, is prohibited.
2. The discharge of waste to land, except as authorized by waste discharge requirements or the terms described in California Water Code Section 13264 is prohibited.
3. The discharge of pollutants or dredged or fill material to waters of the United States except as authorized by a National Pollutant Discharge Elimination System (NPDES) permit or a dredged or fill material permit (subject to the exemption described in California Water Code Section 13376) is prohibited.
4. Discharges of recycled water to lakes or reservoirs used for municipal water supply or to inland surface water tributaries thereto are prohibited, unless this San Diego Water Board issues a NPDES permit authorizing such a discharge; the proposed discharge has been approved by the State Department of Health Services (DHS) and the operating agency of the impacted reservoir; and the discharger has an approved fail-safe long-term disposal alternative.
5. The discharge of waste to inland surface waters, except in cases where the quality of the discharge complies with applicable receiving water quality objectives, is prohibited. Allowances for dilution may be made at the discretion of the San Diego Water Board. Consideration would include streamflow data, the degree of treatment provided and safety measures to ensure reliability of facility performance. As an example, discharge of secondary effluent would probably be permitted if streamflow provided 100:1 dilution capability.
6. The discharge of waste in a manner causing flow, ponding, or surfacing on lands not owned or under the control of the discharger is prohibited, unless the discharge is authorized by the San Diego Water Board.

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7. The dumping, deposition, or discharge of waste directly into waters of the state, or adjacent to such waters in any manner which may permit its being transported into the waters, is prohibited unless authorized by the San Diego Water Board.
8. Any discharge to a storm water conveyance system that is not composed entirely of "storm water" is effectively prohibited unless authorized by the San Diego Water Board. [The federal regulations, 40 CFR 122.26(b)(13), define storm water as storm water runoff, snow melt runoff, and surface runoff and drainage. 40 CFR 122.26(b)(2) defines an illicit discharge as any discharge to a storm water conveyance system that is not composed entirely of storm water except discharges pursuant to a NPDES permit and discharges resulting from fire fighting activities.] [§122.26 amended at 56 FR 56553, November 5, 1991; 57 FR 11412, April 2, 1992].
9. The unauthorized discharge of treated or untreated sewage to waters of the state or to a storm water conveyance system is prohibited.
10. The discharge of industrial wastes to conventional septic tank/subsurface disposal systems, except as authorized by the terms described in California Water Code Section 13264, is prohibited.
11. The discharge of radioactive wastes amenable to alternative methods of disposal into the waters of the state is prohibited.
12. The discharge of any radiological, chemical, or biological warfare agent into waters of the state is prohibited.
13. The discharge of waste into a natural or excavated site below historic water levels is prohibited unless the discharge is authorized by the San Diego Water Board.
14. The discharge of sand, silt, clay, or other earthen materials from any activity, including land grading and construction, in quantities which cause deleterious bottom deposits, turbidity or discoloration in waters of the state or which unreasonably affect, or threaten to affect, beneficial uses of such waters is prohibited.
15. The discharge of treated or untreated sewage from vessels to Mission Bay, Oceanside Harbor, Dana Point Harbor, or other small boat harbors is prohibited.
16. The discharge of untreated sewage from vessels to San Diego Bay is prohibited.
17. The discharge of treated sewage from vessels to portions of San Diego Bay that are less than 30 feet deep at mean lower low water (MLLW) is prohibited.
18. The discharge of treated sewage from vessels, which do not have a properly functioning US Coast Guard certified Type I or Type II marine sanitation device, to portions of San Diego Bay that are greater than 30 feet deep at mean lower low water (MLLW) is prohibited.

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2. Attachment B to State Water Board Resolution 2012-0012

Special Protections for Areas of Special Biological Significance, Governing Point Source Discharges of Storm Water and Nonpoint Source Waste Discharges

I. PROVISIONS FOR POINT SOURCE DISCHARGES OF STORM WATER AND NONPOINT SOURCE WASTE DISCHARGES

The following terms, effective prohibitions, and special conditions (hereafter collectively referred to as special conditions) are established as limitations on point source storm water and nonpoint source discharges. These special conditions provide Special Protections for marine aquatic life and natural water quality in Areas of Special Biological Significance (ASBS), as required for State Water Quality Protection Areas pursuant to California Public Resources Code Sections 36700(f) and 36710(f). These Special Protections are adopted by the State Water Board as part of the California Ocean Plan (Ocean Plan) General Exception.

The special conditions are organized by category of discharge. The State Water Resources Control Board (State Water Board) and Regional Water Quality Control Boards (Regional Water Boards) will determine categories and the means of regulation for those categories [e.g., Point Source Storm Water National Pollutant Discharge Elimination System (NPDES) or Nonpoint Source].

A. PERMITTED POINT SOURCE DISCHARGES OF STORM WATER

1. General Provisions for Permitted Point Source Discharges of Storm Water

a. Existing storm water discharges into an ASBS are allowed only under the following conditions:

(1) The discharges are authorized by an NPDES permit issued by the State Water Board or Regional Water Board;

(2) The discharges comply with all of the applicable terms, effective prohibitions, and special conditions contained in these Special Protections; and

(3) The discharges:

(i) Are essential for flood control or slope stability, including roof, landscape, road, and parking lot drainage;

(ii) Are designed to prevent soil erosion;

(iii) Occur only during wet weather;

(iv) Are composed of only storm water runoff.

b. Discharges composed of storm water runoff shall not alter natural ocean water quality in an ASBS.

c. The discharge of trash is effectively prohibited.

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d. Only discharges from existing storm water outfalls are allowed. Any proposed or new storm water runoff discharge shall be routed to existing storm water discharge outfalls and shall not result in any new contribution of waste to an ASBS (i.e., no additional pollutant loading). "Existing storm water outfalls" are those that were constructed or under construction prior to January 1, 2005. "New contribution of waste" is defined as any addition of waste beyond what would have occurred as of January 1, 2005. A change to an existing storm water outfall, in terms of re-location or alteration, in order to comply with these special conditions, is allowed and does not constitute a new discharge.

e. Non-storm water discharges are effectively prohibited except as provided below:

(1) The term "non-storm water discharges" means any waste discharges from a municipal separate storm sewer system (MS4) or other NPDES permitted storm drain system to an ASBS that are not composed entirely of storm water.

(2) (i) The following non-storm water discharges are allowed, provided that the discharges are essential for emergency response purposes, structural stability, slope stability or occur naturally:

- (a) Discharges associated with emergency fire fighting operations.
- (b) Foundation and footing drains.
- (c) Water from crawl space or basement pumps.
- (d) Hillside dewatering.
- (e) Naturally occurring groundwater seepage via a storm drain.
- (f) Non-anthropogenic flows from a naturally occurring stream via a culvert or storm drain, as long as there are no contributions of anthropogenic runoff.

(ii) An NPDES permitting authority may authorize non-storm water discharges to an MS4 with a direct discharge to an ASBS only to the extent the NPDES permitting authority finds that the discharge does not alter natural ocean water quality in the ASBS.

(3) Authorized non-storm water discharges shall not cause or contribute to a violation of the water quality objectives in Chapter II of the Ocean Plan nor alter natural ocean water quality in an ASBS.

2. Compliance Plans for Inclusion in Storm Water Management Plans (SWMP) and Storm Water Pollution Prevention Plans (SWPPP).

The discharger shall specifically address the effective prohibition of non-storm water runoff and the requirement to maintain natural water quality for storm water discharges to an ASBS in an ASBS Compliance Plan to be included in its SWMP or a SWPPP, as appropriate to permit type. If a statewide permit includes a SWMP, then the discharger shall prepare a stand-alone compliance plan for ASBS discharges. The ASBS Compliance Plan is subject to approval by the Executive Director of the State Water Board (statewide permits) or

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Executive Officer of the Regional Water Board (for permits issued by Regional Water Boards).

- a. The Compliance Plan shall include a map of surface drainage of storm water runoff, showing areas of sheet runoff, prioritize discharges, and describe any structural Best Management Practices (BMPs) already employed and/or BMPs to be employed in the future. Priority discharges are those that pose the greatest water quality threat and which are identified to require installation of structural BMPs. The map shall also show the storm water conveyances in relation to other features such as service areas, sewage conveyances and treatment facilities, landslides, areas prone to erosion, and waste and hazardous material storage areas, if applicable. The SWMP or SWPPP shall also include a procedure for updating the map and plan when changes are made to the storm water conveyance facilities.
- b. The ASBS Compliance Plan shall describe the measures by which all non-authorized non-storm water runoff (e.g., dry weather flows) has been eliminated, how these measures will be maintained over time, and how these measures are monitored and documented.
- c. For Municipal Separate Storm Sewer System (MS4s), the ASBS Compliance Plan shall require minimum inspection frequencies as follows:
 - (1) The minimum inspection frequency for construction sites shall be weekly during rainy season;
 - (2) The minimum inspection frequency for industrial facilities shall be monthly during the rainy season;
 - (3) The minimum inspection frequency for commercial facilities (e.g., restaurants) shall be twice during the rainy season; and
 - (4) Storm water outfall drains equal to or greater than 18 inches (457 mm) in diameter or width shall be inspected once prior to the beginning of the rainy season and once during the rainy season and maintained to remove trash and other anthropogenic debris.
- d. The ASBS Compliance Plan shall address storm water discharges (wet weather flows) and, in particular, describe how pollutant reductions in storm water runoff, that are necessary to comply with these special conditions, will be achieved through BMPs. Structural BMPs need not be installed if the discharger can document to the satisfaction of the State Water Board Executive Director (statewide permits) or Regional Water Board Executive Officer (Regional Water Board permits) that such installation would pose a threat to health or safety. BMPs to control storm water runoff discharges (at the end-of-pipe) during a design storm shall be designed to achieve on average the following target levels:
 - (1) Table B Instantaneous Maximum Water Quality Objectives in Chapter II of the Ocean Plan; or
 - (2) A 90% reduction in pollutant loading during storm events, for the applicant's total discharges. The baseline for the reduction is the effective date of the Exception. The

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baseline for these determinations is the effective date of the Exception, and the reductions must be achieved and documented within four (4) years of the effective date.

- e. The ASBS Compliance Plan shall address erosion control and the prevention of anthropogenic sedimentation in ASBS. The natural habitat conditions in the ASBS shall not be altered as a result of anthropogenic sedimentation.
- f. The ASBS Compliance Plan shall describe the non-structural BMPs currently employed and planned in the future (including those for construction activities), and include an implementation schedule. The ASBS Compliance Plan shall include non-structural BMPs that address public education and outreach. Education and outreach efforts must adequately inform the public that direct discharges of pollutants from private property not entering an MS4 are effectively prohibited. The ASBS Compliance Plan shall also describe the structural BMPs, including any low impact development (LID) measures, currently employed and planned for higher threat discharges and include an implementation schedule. To control storm water runoff discharges (at the end-of-pipe) during a design storm, permittees must first consider using LID practices to infiltrate, use, or evapotranspirate storm water runoff on-site.
- g. The BMPs and implementation schedule shall be designed to ensure that natural water quality conditions in the receiving water are achieved and maintained by either reducing flows from impervious surfaces or reducing pollutant loading, or some combination thereof.
- h. If the results of the receiving water monitoring described in IV.B. of these special conditions indicate that the storm water runoff is causing or contributing to an alteration of natural ocean water quality in the ASBS, the discharger shall submit a report to the State Water Board and Regional Water Board within 30 days of receiving the results.
 - (1) The report shall identify the constituents in storm water runoff that alter natural ocean water quality and the sources of these constituents.
 - (2) The report shall describe BMPs that are currently being implemented, BMPs that are identified in the SWMP or SWPPP for future implementation, and any additional BMPs that may be added to the SWMP or SWPPP to address the alteration of natural water quality. The report shall include a new or modified implementation schedule for the BMPs.
 - (3) Within 30 days of the approval of the report by the State Water Board Executive Director (statewide permits) or Regional Water Board Executive Officer (Regional Water Board permits), the discharger shall revise its ASBS Compliance Plan to incorporate any new or modified BMPs that have been or will be implemented, the implementation schedule, and any additional monitoring required.
 - (4) As long as the discharger has complied with the procedures described above and is implementing the revised SWMP or SWPPP, the discharger does not have to repeat the same procedure for continuing or recurring exceedances of natural ocean water quality conditions due to the same constituent.

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(5) Compliance with this section does not excuse violations of any term, effective prohibition, or condition contained in these Special Protections.

3. Compliance Schedule

- a. On the effective date of the Exception, all non-authorized non-storm water discharges (e.g., dry weather flow) are effectively prohibited.
- b. Within one year from the effective date of the Exception, the discharger shall submit a written ASBS Compliance Plan to the State Water Board Executive Director (statewide permits) or Regional Water Board Executive Officer (Regional Water Board permits) that describes its strategy to comply with these special conditions, including the requirement to maintain natural water quality in the affected ASBS. The ASBS Compliance Plan shall include a time schedule to implement appropriate non-structural and structural controls (implementation schedule) to comply with these special conditions for inclusion in the discharger's SWMP or SWPPP, as appropriate to permit type.
- c. Within 18 months of the effective date of the Exception, any non-structural controls that are necessary to comply with these special conditions shall be implemented.
- d. Within four (4) years of the effective date of the Exception, any structural controls identified in the ASBS Compliance Plan that are necessary to comply with these special conditions shall be operational.
- e. Within four (4) years of the effective date of the Exception, all dischargers must comply with the requirement that their discharges into the affected ASBS maintain natural ocean water quality. If the initial results of post-storm receiving water quality testing indicate levels higher than the 85th percentile threshold of reference water quality data and the pre-storm receiving water levels, then the discharger must re-sample the receiving water, pre- and post-storm. If after re-sampling the post-storm levels are still higher than the 85th percentile threshold of reference water quality data, and the pre-storm receiving water levels, for any constituent, then natural ocean water quality is exceeded. See attached Flowchart.
- f. The Executive Director of the State Water Board (statewide permits) or Executive Officer of the Regional Water Board (Regional Water Board permits) may only authorize additional time to comply with the special conditions d. and e., above if good cause exists to do so. Good cause means a physical impossibility or lack of funding.

If a discharger claims physical impossibility, it shall notify the Board in writing within thirty (30) days of the date that the discharger first knew of the event or circumstance that caused or would cause it to fail to meet the deadline in d. or e. The notice shall describe the reason for the noncompliance or anticipated noncompliance and specifically refer to this Section of this Exception. It shall describe the anticipated length of time the delay in compliance may persist, the cause or causes of the delay as well as measures to minimize the impact of the delay on water quality, the measures taken or to be taken by the discharger to prevent or minimize the delay, the schedule by which the measures will be implemented, and the anticipated date of compliance. The discharger shall adopt all reasonable measures to avoid and minimize such delays and their impact on water quality.

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The discharger may request an extension of time for compliance based on lack of funding. The request for an extension shall require:

- (1) for municipalities, a demonstration of significant hardship to discharger ratepayers, by showing the relationship of storm water fees to annual household income for residents within the discharger's jurisdictional area, and the discharger has made timely and complete applications for all available bond and grant funding, and either no bond or grant funding is available, or bond and/or grant funding is inadequate; or
- (2) for other governmental agencies, a demonstration and documentation of a good faith effort to acquire funding through that agency's budgetary process.

B. NONPOINT SOURCE DISCHARGES

[NOT INCLUDED]

[PROVISIONS FOR NONPOINT SOURCE DISCHARGES NOT APPLICABLE]

II. ADDITIONAL REQUIREMENTS FOR PARKS AND RECREATION FACILITIES

[NOT INCLUDED]

[ADDITIONAL REQUIREMENTS FOR PARKS AND RECREATION FACILITIES NOT APPLICABLE]

III. ADDITIONAL REQUIREMENTS – WATERFRONT AND MARINE OPERATIONS

[NOT INCLUDED]

[ADDITIONAL REQUIREMENTS FOR WATERFRONT AND MARINE OPERATIONS NOT APPLICABLE]

IV. MONITORING REQUIREMENTS

Monitoring is mandatory for all dischargers to assure compliance with the Ocean Plan. Monitoring requirements include both: (A) core discharge monitoring, and (B) ocean receiving water monitoring. The State and Regional Water Boards must approve sampling site locations and any adjustments to the monitoring programs. All ocean receiving water and reference area monitoring must be comparable with the Water Boards' Surface Water Ambient Monitoring Program (SWAMP).

Safety concerns: Sample locations and sampling periods must be determined considering safety issues. Sampling may be postponed upon notification to the State and Regional Water Boards if hazardous conditions prevail.

Analytical Chemistry Methods: All constituents must be analyzed using the lowest minimum detection limits comparable to the Ocean Plan water quality objectives. For metal analysis, all samples, including storm water effluent, reference samples, and ocean receiving water samples, must be analyzed by the approved analytical method with the lowest minimum detection limits (currently Inductively Coupled Plasma/Mass Spectrometry) described in the Ocean Plan.

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A. CORE DISCHARGE MONITORING PROGRAM

1. General sampling requirements for timing and storm size:

Runoff must be collected during a storm event that is greater than 0.1 inch and generates runoff, and at least 72 hours from the previously measurable storm event. Runoff samples shall be collected when post-storm receiving water is sampled, and analyzed for the same constituents as receiving water and reference site samples (see section IV B) as described below.

2. Runoff flow measurements

- a. For municipal/industrial storm water outfalls in existence as of December 31, 2007, 18 inches (457mm) or greater in diameter/width (including multiple outfall pipes in combination having a width of 18 inches, runoff flows must be measured or calculated, using a method acceptable to and approved by the State and Regional Water Boards.
- b. This will be reported annually for each precipitation season to the State and Regional Water Boards.

3. Runoff samples – storm events

- a. For outfalls equal to or greater than 18 inches (0.46m) in diameter or width:
 - (1) samples of storm water runoff shall be analyzed during the same storm as receiving water samples for oil and grease, total suspended solids, and, within the range of the southern sea otter indicator bacteria or some other measure of fecal contamination, ; and
 - (2) samples of storm water runoff shall be analyzed for critical life stage chronic toxicity (one invertebrate or algal species) at least once during each storm season when receiving water is sampled in the ASBS
 - (3) If an applicant has no outfall greater than 36 inches, then storm water runoff from the applicant's largest outfall shall be further analyzed during the same storm as receiving water samples for Ocean Plan Table B metals for protection of marine life, Ocean Plan polynuclear aromatic hydrocarbons (PAHs), current use pesticides (pyrethroids and OP pesticides), and nutrients (ammonia, nitrate and phosphates).
- b. For outfalls equal to or greater than 36 inches (0.91m) in diameter or width:
 - (1) samples of storm water runoff shall be analyzed during the same storm as receiving water samples for oil and grease, total suspended solids, and, within the range of the southern sea otter indicator bacteria or some other measure of fecal contamination; and
 - (2) samples of storm water runoff shall be further analyzed during the same storm as receiving water samples for Ocean Plan Table B metals for protection of marine life, Ocean Plan polynuclear aromatic hydrocarbons (PAHs), current use pesticides

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(pyrethroids and OP pesticides), and nutrients (ammonia, nitrate and phosphates) and

(3) samples of storm water runoff shall be analyzed for critical life stage chronic toxicity (one invertebrate or algal species) at least once during each storm season when receiving water is sampled in the ASBS.

c. For an applicant not participating in a regional monitoring program [see below in Section IV (B)] in addition to (a.) and (b.) above, a minimum of the two largest outfalls or 20 percent of the larger outfalls, whichever is greater, shall be sampled (flow weighted composite samples) at least three times annually during wet weather (storm event) and analyzed for all Ocean Plan Table A constituents, Table B constituents for marine aquatic life protection (except for toxicity, only chronic toxicity for three species shall be required), DDT, PCBs, Ocean Plan PAHs, OP pesticides, pyrethroids, nitrates, phosphates, and Ocean Plan indicator bacteria. For parties discharging to ASBS in more than one Regional Water Board region, at a minimum, one (the largest) such discharge shall be sampled annually in each Region.

4. The Executive Director of the State Water Board (statewide permits) or Executive Officer of the Regional Water Board (Regional Water Board permits) may reduce or suspend core monitoring once the storm runoff is fully characterized. This determination may be made at any point after the discharge is fully characterized, but is best made after the monitoring results from the first permit cycle are assessed.

B. OCEAN RECEIVING WATER AND REFERENCE AREA MONITORING PROGRAM

In addition to performing the Core Discharge Monitoring Program in Section II.A above, all applicants having authorized discharges must perform ocean receiving water monitoring. In order to fulfill the requirements for monitoring the physical, chemical, and biological characteristics of the ocean receiving waters within their ASBS, dischargers may choose either (1) an individual monitoring program, or (2) participation in a regional integrated monitoring program.

1. Individual Monitoring Program: The requirements listed below are for those dischargers who elect to perform an individual monitoring program to fulfill the requirements for monitoring the physical, chemical, and biological characteristics of the ocean receiving waters within the affected ASBS. In addition to Core Discharge Monitoring, the following additional monitoring requirements shall be met:

a. Three times annually, during wet weather (storm events), the receiving water at the point of discharge from the outfalls described in section (IV)(A)(3)(c) above shall be sampled and analyzed for Ocean Plan Table A constituents, Table B constituents for marine aquatic life, DDT, PCBs, Ocean Plan PAHs, OP pesticides, pyrethroids, nitrates, phosphates, salinity, chronic toxicity (three species), and Ocean Plan indicator bacteria.

The sample location for the ocean receiving water shall be in the surf zone at the point of discharges; this must be at the same location where storm water runoff is sampled. Receiving water shall be sampled at approximately the same time prior to (pre-storm) and during (or immediately after) the same storm (post storm). Reference water quality shall also be sampled and analyzed for the same constituents pre-storm and post-storm, during the same storms when receiving water is sampled. Reference stations will be

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determined by the State Water Board's Division of Water Quality and the applicable Regional Water Board(s).

- b. Sediment sampling shall occur at least three times during every five (5) year period. The subtidal sediment (sand or finer, if present) at the discharge shall be sampled and analyzed for Ocean Plan Table B constituents for marine aquatic life, DDT, PCBs, PAHs, pyrethroids, and OP pesticides. For sediment toxicity testing, only an acute toxicity test using the amphipod *Eohaustorius estuarius* must be performed.
 - c. A quantitative survey of intertidal benthic marine life shall be performed at the discharge and at a reference site. The survey shall be performed at least once every five (5) year period. The survey design is subject to approval by the Regional Water Board and the State Water Board's Division of Water Quality. The results of the survey shall be completed and submitted to the State Water Board and Regional Water Board at least six months prior to the end of the permit cycle.
 - d. Once during each five (5) year period, a bioaccumulation study shall be conducted to determine the concentrations of metals and synthetic organic pollutants at representative discharge sites and at representative reference sites. The study design is subject to approval by the Regional Water Board and the State Water Board's Division of Water Quality. The bioaccumulation study may include California mussels (*Mytilus californianus*) and/or sand crabs (*Emerita analoga* or *Blepharipoda occidentalis*). Based on the study results, the Regional Water Board and the State Water Board's Division of Water Quality, may adjust the study design in subsequent permits, or add or modify additional test organisms (such as shore crabs or fish), or modify the study design appropriate for the area and best available sensitive measures of contaminant exposure.
 - e. Marine Debris: Representative quantitative observations for trash by type and source shall be performed along the coast of the ASBS within the influence of the discharger's outfalls. The design, including locations and frequency, of the marine debris observations is subject to approval by the Regional Water Board and State Water Board's Division of Water Quality.
 - f. The monitoring requirements of the Individual Monitoring Program in this section are minimum requirements. After a minimum of one (1) year of continuous water quality monitoring of the discharges and ocean receiving waters, the Executive Director of the State Water Board (statewide permits) or Executive officer of the Regional Water Board (Regional Water Board permits) may require additional monitoring, or adjust, reduce or suspend receiving water and reference station monitoring. This determination may be made at any point after the discharge and receiving water is fully characterized, but is best made after the monitoring results from the first permit cycle are assessed.
2. Regional Integrated Monitoring Program: Dischargers may elect to participate in a regional integrated monitoring program, in lieu of an individual monitoring program, to fulfill the requirements for monitoring the physical, chemical, and biological characteristics of the ocean receiving waters within their ASBS. This regional approach shall characterize natural water quality, pre- and post-storm, in ocean reference areas near the mouths of identified open space watersheds and the effects of the discharges on natural water quality (physical, chemical, and toxicity) in the ASBS receiving waters, and should include benthic marine aquatic life and bioaccumulation components. The design of the ASBS stratum of a regional integrated monitoring program may deviate from the otherwise prescribed individual

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monitoring approach (in Section IV.B.1) if approved by the State Water Board's Division of Water Quality and the Regional Water Boards.

- a. Ocean reference areas shall be located at the drainages of flowing watersheds with minimal development (in no instance more than 10% development), and shall not be located in CWA Section 303(d) listed waterbodies or have tributaries that are 303(d) listed. Reference areas shall be free of wastewater discharges and anthropogenic non-storm water runoff. A minimum of low threat storm runoff discharges (e.g. stream highway overpasses and campgrounds) may be allowed on a case-by-case basis. Reference areas shall be located in the same region as the ASBS receiving water monitoring occurs. The reference areas for each Region are subject to approval by the participants in the regional monitoring program and the State Water Board's Division of Water Quality and the applicable Regional Water Board(s). A minimum of three ocean reference water samples must be collected from each station, each from a separate storm. A minimum of one reference location shall be sampled for each ASBS receiving water site sampled per responsible party. For parties discharging to ASBS in more than one Regional Water Board region, at a minimum, one reference station and one receiving water station shall be sampled in each region.
 - b. ASBS ocean receiving water must be sampled in the surf zone at the location where the runoff makes contact with ocean water (i.e. at "point zero"). Ocean receiving water stations must be representative of worst-case discharge conditions (i.e. co-located at a large drain greater than 36 inches, or if drains greater than 36 inches are not present in the ASBS then the largest drain greater than 18 inches.) Ocean receiving water stations are subject to approval by the participants in the regional monitoring program and the State Water Board's Division of Water Quality and the applicable Regional Water Board(s). A minimum of three ocean receiving water samples must be collected during each storm season from each station, each from a separate storm. A minimum of one receiving water location shall be sampled in each ASBS per responsible party in that ASBS. For parties discharging to ASBS in more than one Regional Water Board region, at a minimum, one reference station and one receiving water station shall be sampled in each region.
 - c. Reference and receiving water sampling shall commence during the first full storm season following the adoption of these special conditions, and post-storm samples shall be collected when annual storm water runoff is sampled. Sampling shall occur in a minimum of two storm seasons. For those ASBS dischargers that have already participated in the Southern California Bight 2008 ASBS regional monitoring effort, sampling may be limited to only one storm season.
 - d. Receiving water and reference samples shall be analyzed for the same constituents as storm water runoff samples. At a minimum, constituents to be sampled and analyzed in reference and discharge receiving waters must include oil and grease, total suspended solids, Ocean Plan Table B metals for protection of marine life, Ocean Plan PAHs, pyrethroids, OP pesticides, ammonia, nitrate, phosphates, and critical life stage chronic toxicity for three species. In addition, within the range of the southern sea otter, indicator bacteria or some other measure of fecal contamination shall be analyzed.
3. Waterfront and Marine Operations: In addition to the above requirements for ocean receiving water monitoring, additional monitoring must be performed for marinas and boat launch and pier facilities:

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- a. For all marina or mooring field operators, in mooring fields with 10 or more occupied moorings, the ocean receiving water must be sampled for Ocean Plan indicator bacteria, residual chlorine, copper, zinc, grease and oil, methylene blue active substances (MBAS), and ammonia nitrogen.
 - (1) For mooring field operators opting for an individual monitoring program (Section IV.B.1 above), this sampling must occur weekly (on the weekend) from May through October.
 - (2) For mooring field operators opting to participate in a regional integrated monitoring program (Section IV.B.2 above), this sampling must occur monthly from May through October on a high use weekend in each month. The Water Boards may allow a reduction in the frequency of sampling, through the regional monitoring program, after the first year of monitoring.
- b. For all mooring field operators, the subtidal sediment (sand or finer, if present) within mooring fields and below piers shall be sampled and analyzed for Ocean Plan Table B metals (for marine aquatic life beneficial use), acute toxicity, PAHs, and tributyltin. For sediment toxicity testing, only an acute toxicity test using the amphipod *Eohaustorius estuarius* must be performed. This sampling shall occur at least three times during a five (5) year period. For mooring field operators opting to participate in a regional integrated monitoring program, the Water Boards may allow a reduction in the frequency of sampling after the first sampling effort's results are assessed.

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ATTACHMENT B**STANDARD PERMIT PROVISIONS AND GENERAL PROVISIONS****1. Standard Permit Provisions**

Code of Federal Regulations Title 40 Section 122.41 (40 CFR 122.41) includes conditions, or provisions, that apply to all National Pollutant Discharge Elimination System (NPDES) permits. Additional provisions applicable to NPDES permits are in 40 CFR 122.42. All applicable provisions in 40 CFR 122.41 and 40 CFR 122.42 must be incorporated into this Order and NPDES permit. The applicable 40 CFR 122.41 and 40 CFR 122.42 provisions are as follows:

a. DUTY TO COMPLY [40 CFR 122.41(a)]

The Copermitttee must comply with all of the provisions of this permit. Any permit noncompliance constitutes a violation of the Clean Water Act (CWA) and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or denial of a permit renewal application.

- (1) The Copermitttee must comply with effluent standards or effective prohibitions established under Section 307(a) of the CWA for toxic pollutants and with standards for sewage sludge use or disposal established under Section 405(d) of the CWA within the time provided in the regulations that establish these standards or effective prohibitions or standards for sewage sludge use or disposal, even if the permit has not yet been modified to incorporate the requirement. [40 CFR 122.41(a)(1)]
- (2) The CWA provides that any person who violates Section 301, 302, 306, 307, 308, 318 or 405 of the CWA, or any permit condition or limitation implementing any such sections in a permit issued under Section 402, or any requirement imposed in a pretreatment program approved under Section 402(a)(3) or 402(b)(8) of the CWA, is subject to a civil penalty not to exceed \$25,000 per day for each violation. The CWA provides that any person who *negligently* violates Section 301, 302, 306, 307, 308, 318, or 405 of the CWA, or any condition or limitation implementing any of such sections in a permit issued under Section 402 of the CWA, or any requirement imposed in a pretreatment program approved under Section 402(a)(3) or 402(b)(8) of the CWA, is subject to criminal penalties of \$2,500 to \$25,000 per day of violation, or imprisonment of not more than 1 year, or both. In the case of a second or subsequent conviction for a negligent violation, a person shall be subject to criminal penalties of not more than \$50,000 per day of violation, or by imprisonment of not more than 2 years, or both. Any person who *knowingly* violates such sections, or such conditions or limitations is subject to criminal penalties of \$5,000 to \$50,000 per day of violation, or imprisonment for not more than 3 years, or both. In the case of a second or subsequent conviction for a knowing violation, a person shall be subject to criminal penalties of not more than \$100,000 per day of violation, or imprisonment of not more than 6 years, or both. Any person who knowingly violates Section 301, 302, 303, 306, 307, 308, 318 or 405 of the CWA, or any permit condition or limitation implementing any of such sections in a permit issued under Section 402 of the CWA, and who knows at that time that he thereby places another person in imminent danger of death or serious bodily injury, shall, upon conviction, be subject to a fine of

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not more than \$250,000 or imprisonment of not more than 15 years, or both. In the case of a second or subsequent conviction for a knowing endangerment violation, a person shall be subject to a fine of not more than \$500,000 or by imprisonment of not more than 30 years, or both. An organization, as defined in Section 309(c)(3)(B)(iii) of the CWA, shall, upon conviction of violating the imminent danger provision, be subject to a fine of not more than \$1,000,000 and can be fined up to \$2,000,000 for second or subsequent convictions.

[40 CFR 122.41(a)(2)]

(3) Any person may be assessed an administrative penalty by the San Diego Regional Water Quality Control Board (San Diego Water Board), State Water Resources Control Board (State Water Board), or United States Environmental Protection Agency (USEPA) for violating Section 301, 302, 306, 307, 308, 318 or 405 of the CWA, or any permit condition or limitation implementing any of such sections in a permit issued under section 402 of this Act. Administrative penalties for Class I violations are not to exceed \$10,000 per violation, with the maximum amount of any Class I penalty assessed not to exceed \$25,000. Penalties for Class II violations are not to exceed \$10,000 per day for each day during which the violation continues, with the maximum amount of any Class II penalty not to exceed \$125,000.

[40 CFR 122.41(a)(3)]

b. DUTY TO REAPPLY [40 CFR 122.41(b)]

If a Copermittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the Copermittee must apply for and obtain a new permit.

c. NEED TO HALT OR REDUCE ACTIVITY NOT A DEFENSE [40 CFR 122.41(c)]

It shall not be a defense for a Copermittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

d. DUTY TO MITIGATE [40 CFR 122.41(d)]

The Copermittee must take all reasonable steps to minimize or prevent any discharge or prevent any discharge or sludge use or disposal in violation of this permit that has a reasonable likelihood of adversely affecting human health or the environment.

e. PROPER OPERATION AND MAINTENANCE [40 CFR 122.41(e)]

The Copermittee must at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the Copermittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems that are installed by a Copermittee only when the operation is necessary to achieve compliance with the conditions of this permit.

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f. PERMIT ACTIONS [40 CFR 122.41(f)]

This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the Copermitttee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

g. PROPERTY RIGHTS [40 CFR 122.41(g)]

This permit does not convey any property rights of any sort, or any exclusive privilege.

h. DUTY TO PROVIDE INFORMATION [40 CFR 122.41(h)]

The Copermitttee must furnish to the San Diego Water Board, State Water Board, or USEPA within a reasonable time, any information which the San Diego Water Board, State Water Board, or USPEA may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. The Copermitttee must also furnish to the San Diego Water Board, State Water Board, or USPEA upon request, copies of records required to be kept by this permit.

i. INSPECTION AND ENTRY [40 CFR 122.41(i)]

The Copermitttee must allow the San Diego Water Board, State Water Board, USEPA, and/or their authorized representative (including an authorized contractor acting as their representative), upon presentation of credentials and other documents as may be required by law, to:

- (1) Enter upon the Copermitttee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit; [40 CFR 122.41(i)(1)]
- (2) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit; [40 CFR 122.41(i)(2)]
- (3) Inspect and photograph at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; [40 CFR 122.41(i)(3)] and
- (4) Sample or monitor at reasonable times, for the purpose of assuring permit compliance or as otherwise authorized by the CWA, any substances or parameters at any location. [40 CFR 122.41(i)(4)]

j. MONITORING AND RECORDS [40 CFR 122.41(j)]

- (1) Samples and measurements taken for the purpose of monitoring must be representative of the monitored activity. [40 CFR 122.41(j)(1)]
- (2) Except for records of monitoring information required by this permit related to the Copermitttee's sewage sludge use and disposal activities, which shall be retained for a period of at least five (5) years (or longer as required by 40 CFR Part 503), the

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Copermitttee must retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three (3) years from the date of the sample, measurement, report or application. This period may be extended by request of the San Diego Water Board at any time. [40 CFR 122.41(j)(2)]

(3) Records for monitoring information must include: [40 CFR 122.41(j)(3)]

- (a) The date, exact place, and time of sampling or measurements; [40 CFR 122.41(j)(3)(i)]
- (b) The individual(s) who performed the sampling or measurements; [40 CFR 122.41(j)(3)(ii)]
- (c) The date(s) analyses were performed; [40 CFR 122.41(j)(3)(iii)]
- (d) The individual(s) who performed the analyses; [40 CFR 122.41(j)(3)(iv)]
- (e) The analytical techniques or methods used; [40 CFR 122.41(j)(3)(v)] and
- (f) The results of such analyses. [40 CFR 122.41(j)(3)(vi)]

(4) Monitoring must be conducted according to test procedures under 40 CFR Part 136 unless another method is required under 40 CFR Subchapters N or O. [40 CFR 122.41(j)(4)]

In the case of pollutants for which there are no approved methods under 40 CFR Part 136 or otherwise required under 40 CFR Subchapters N and O, monitoring must be conducted according to a test procedure specified in the permit for such pollutants. [40 CFR 122.44(i)(1)(iv)]

(5) The CWA provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than \$10,000, or by imprisonment for not more than 2 years, or both. If a conviction of a person is for a violation committed after a first conviction of such person under this paragraph, punishment is a fine of not more than \$20,000 per day of violation, or by imprisonment of not more than 4 years, or both. [40 CFR 122.41(j)(5)]

k. SIGNATORY REQUIREMENT [40 CFR 122.41(k)]

(1) All applications, reports, or information submitted to the San Diego Water Board, State Water Board, or USEPA must be signed and certified. (See 40 CFR 122.22) [40 CFR 122.41(k)(1)]

- (a) *For a municipality, State, Federal, or other public agency.* [All applications must be signed] [b]y either a principal executive officer or ranking elected official. [40 CFR 122.22(a)(3)]
- (b) All reports required by permits, and other information requested by the San Diego Water Board, State Water Board, or USEPA must be signed by a person described in paragraph (a) of this section, or by a duly authorized representative of that person. A person is a duly authorized representative only if: [40 CFR 122.22(b)]

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- (i) The authorization is made in writing by a person described in paragraph (a) of this section; [40 CFR 122.22(b)(1)]
 - (ii) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company, (A duly authorized representative may thus be either a named individual or any individual occupying a named position.) [40 CFR 122.22(b)(2)] and,
 - (iii) The written authorization is submitted to the San Diego Water Board and State Water Board. [40 CFR 122.22(b)(3)]
- (c) *Changes to authorization.* If an authorization under paragraph (b) of this section is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of paragraph (b) of this section must be submitted to the San Diego Water Board prior to or together with any reports, information, or applications to be signed by an authorized representative. [40 CFR 122.22(c)]
- (d) *Certification.* Any person signing a document under paragraph (a) or (b) of this section shall make the following certification:
- “I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.” [40 CFR 122.22(d)]
- (2) The CWA provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or non-compliance shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than 6 months per violation, or by both. [40 CFR 122.41(k)(2)]

I. REPORTING REQUIREMENTS [40 CFR 122.41(l)]

- (1) *Planned changes.* The Copermittee must give notice to the San Diego Water Board as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when: [40 CFR 122.41(l)(1)]
- (a) The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in 40 CFR 122.29(b); [40 CFR 122.41(l)(1)(i)] or
 - (b) The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which

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are subject neither to effluent limitations in the permit, nor to notification requirements under 40 CFR 122.42(a)(1).
[40 CFR 122.41(l)(1)(ii)]

- (c) The alteration or addition results in a significant change in the Copermitttee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan. [40 CFR 122.41(l)(1)(iii)]
- (2) *Anticipated noncompliance.* The Copermitttee must give advance notice to the San Diego Water Board or State Water Board of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. [40 CFR 122.41(l)(2)]
- (3) *Transfers.* This permit is not transferable to any person except after notice to the San Diego Water Board. The San Diego Water Board may require modification or revocation and reissuance of the permit to change the name of the Copermitttee and incorporate such other requirements as may be necessary under the CWA. [40 CFR 122.41(l)(3)]
- (4) *Monitoring reports.* Monitoring results must be reported at the intervals specified elsewhere in this permit. [40 CFR 122.41(l)(4)]
 - (a) Monitoring results must be reported on a Discharge Monitoring Report (DMR) form or forms provided or specified by the San Diego Water Board or State Water Board for reporting results of monitoring of sludge use or disposal practices. [40 CFR 122.41(l)(4)(i)]
 - (b) If the Copermitttee monitors any pollutant more frequently than required by the permit using test procedures approved under 40 CFR Part 136 or another method required for an industry-specific waste stream under 40 CFR Subchapters N or O, the results of this monitoring must be included in the calculation and reporting of the data submitted in the DMR or sludge reporting form specified by the San Diego Water Board or State Water Board. [40 CFR 122.41(l)(4)(ii)]
 - (c) Calculations for all limitations which require averaging of measurements must utilize an arithmetic mean unless otherwise specified in the permit. [40 CFR 122.41(l)(4)(iii)]
- (5) *Compliance schedules.* Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit must be submitted no later than 14 days following each schedule date. [40 CFR 122.41(l)(5)]

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(6) *Twenty-four hour reporting.*

- (a) The Copermitttee must report any noncompliance that may endanger health or the environment. Any information must be provided orally within 24 hours from the time the Copermitttee becomes aware of the circumstances. A written submission must also be provided within five (5) days of the time the Copermitttee becomes aware of the circumstances. The written submission must contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. [40 CFR 122.41(l)(6)(i)]
- (b) The following must be included as information which must be reported within 24 hours under this paragraph: [40 CFR 122.41(l)(6)(ii)]
 - (i) Any unanticipated bypass that exceeds any effluent limitation in the permit (See 40 CFR 122.41(g)). [40 CFR 122.41(l)(6)(ii)(A)]
 - (ii) Any upset which exceeds any effluent limitation in the permit. [40 CFR 122.41(l)(6)(ii)(B)] and,
 - (iii) Violation of a maximum daily discharge limitation for any of the pollutants listed by the San Diego Water Board in the permit to be reported within 24 hours. (See 40 CFR 122.44(g)) [40 CFR 122.41(l)(6)(ii)(C)]
- (c) The San Diego Water Board may waive the above-required written report on a case-by-case basis if the oral report has been received within 24 hours. [40 CFR 122.41(l)(6)(iii)]

(7) *Other noncompliance.* The Copermitttee must report all instances of noncompliance not reported in accordance with the standard provisions required under 40 CFR 122.41(l)(4), (5), and (6), at the time monitoring reports are submitted. The reports must contain the information listed in the standard provisions required under 40 CFR 122.41(l)(6). [40 CFR 122.41(l)(7)]

(8) *Other information.* When the Copermitttee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the San Diego Water Board, State Water Board, or USEPA, the Copermitttee must promptly submit such facts or information. [40 CFR 122.41(l)(8)]

~~m. BYPASS [40 CFR 122.41(m)]~~

~~(1) Definitions:~~

- ~~(a) "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility. [40 CFR 122.41(m)(1)(i)] or~~
- ~~(b) "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be~~

Comment [A126]: While this is a standard condition for NPDES permits, it is manifestly inapplicable to MS4 permits. Since BMPs constructed to comply with the Order include bypass provisions to protect their entirety, the Copermitttees would have to notify the Regional Board whenever a storm was predicted. This provision should be deleted.

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~~expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.
[40 CFR 122.41(m)(1)(ii)]~~

~~(2) *Bypass not exceeding limitations.* The Copermitttee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the standard provisions required under 40 CFR 122.41(m)(3) and (4).
[40 CFR 122.41(m)(2)]~~

~~(3) *Notice.*~~

~~(a) *Anticipated bypass.* If the Copermitttee knows in advance of the need for a bypass, it must submit a notice, if possible at least ten days before the date of the bypass. [40 CFR 122.41(m)(3)(i)] or~~

~~(b) *Unanticipated bypass.* The Copermitttee must submit notice of an unanticipated bypass in accordance with the standard provisions required under 40 CFR 122.41(l)(6) (24-hour notice).
[40 CFR 122.41(m)(3)(ii)]~~

~~(4) *Prohibition of Bypass.*~~

~~(a) Bypass is prohibited, and the San Diego Water Board may take enforcement action against a Copermitttee for bypass, unless:
[40 CFR 122.41(m)(4)(i)]~~

~~(i) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; [40 CFR 122.41(m)(4)(i)(A)]~~

~~(ii) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance;
[40 CFR 122.41(m)(4)(i)(B)] and,~~

~~(iii) The Copermitttee submitted notice in accordance with the standard provisions required under 40 CFR 122.41(m)(3).
[40 CFR 122.41(m)(4)(i)(C)]~~

~~(b) The San Diego Water Board may approve an anticipated bypass, after considering its adverse effects, if the San Diego Water Board determines that it will meet the three conditions listed above.
[40 CFR 122.41(m)(4)(ii)]~~

~~n.m.~~ **UPSET** [40 CFR 122.41(n)]

(1) *Definition.* "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the Copermitttee. An upset does not

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include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation. [40 CFR 122.41(n)(1)]

- (2) *Effect of an upset.* An upset constitutes an affirmative defense to an action brought for noncompliance with such technology based permit effluent limitations if the standard provisions required under 40 CFR 122.41(n)(3) are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review. [40 CFR 122.41(n)(2)]
- (3) *Conditions necessary for a demonstration of upset.* A Copermitttee who wishes to establish the affirmative defense of upset must demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
[40 CFR 122.41(n)(3)]
- (a) An upset occurred and that the Copermitttee can identify the cause(s) of the upset; [40 CFR 122.41(n)(3)(i)]
 - (b) The permitted facility was at the time being properly operated; [40 CFR 122.41(n)(3)(ii)] and
 - (c) The Copermitttee submitted notice of the upset in accordance with the standard provisions required under 40 CFR 122.41(l)(6)(ii)(B) (24-hour notice). [40 CFR 122.41(n)(3)(iii)]
 - (d) The Copermitttee complied with any remedial measures pursuant to the standard provisions required under 40 CFR 122.41(d). [40 CFR 122.41(n)(3)(iii)]
- (4) *Burden of proof.* In any enforcement proceeding, the Copermitttee seeking to establish the occurrence of an upset has the burden of proof. [40 CFR 122.41(n)(4)]

o-n. STANDARD PERMIT PROVISIONS FOR MUNICIPAL SEPARATE STORM SEWER SYSTEMS

[40 CFR 122.42(c)]

The operator of a large or medium municipal separate storm sewer system or a municipal separate storm sewer that has been designated by the San Diego Water Board or State Water Board under 40 CFR 122.26(a)(1)(v) must submit an annual report by the anniversary of the date of the issuance of the permit for such system. The report must include:

- (1) The status of implementing the components of the storm water management program that are established as permit conditions; [40 CFR 122.42(c)(1)]
- (2) Proposed changes to the storm water management programs that are established as permit conditions. Such proposed changes must be consistent with 40 CFR 122.26(d)(2)(iii); [40 CFR 122.42(c)(2)] and
- (3) Revisions, if necessary, to the assessment of controls and the fiscal analysis reported in the permit application under 40 CFR 122.26(d)(2)(iv) and (v); [40 CFR 122.42(c)(3)]

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- (4) A summary of data, including monitoring data, that is accumulated throughout the reporting year; [40 CFR 122.42(c)(4)]
- (5) Annual expenditures and budget for year following each annual report; [40 CFR 122.42(c)(5)]
- (6) A summary describing the number and nature of enforcement actions, inspections, and public education programs; [40 CFR 122.42(c)(6)]
- (7) Identification of water quality improvements or degradation. [40 CFR 122.42(c)(7)]

~~p.o.~~ **STANDARD PERMIT PROVISIONS FOR STORM WATER DISCHARGES** [40 CFR 122.42(d)]

The initial permits for discharges composed entirely of storm water issued pursuant to 40 CFR 122.26(e)(7) must require compliance with the conditions of the permit as expeditiously as practicable, but in no event later than three years after the date of issuance of the permit.

2. General Provisions

In addition to the standard provisions required to be incorporated into the Order and NPDES permit pursuant to 40 CFR 122.41 and 40 CFR 122.42, several other general provisions apply to this Order. The general provisions applicable to this Order and NPDES permit are as follows:

a. DISCHARGE OF WASTE IS A PRIVILEGE

No discharge of waste into the waters of the State, whether or not such discharge is made pursuant to waste discharge requirements, shall create a vested right to continue such discharge. All discharges of waste into waters of the State are privileges, not rights. [CWC Section 13263(g)]

b. DURATION OF ORDER AND NPDES PERMIT

- (1) *Effective date.* This Order and NPDES permit becomes effective on the 50th day after its adoption provided the USEPA has no objection. If the USEPA objects to its issuance, this Order shall not become effective until such objection is withdrawn. This Order supersedes Order No. R9-2007-0001 upon the effective date of this Order, and supersedes Order Nos. R9-2009-0002 and R9-2010-0016 upon their expiration or earlier notice of coverage.
- (2) *Expiration.* This Order and NPDES permit expires five years after its effective date. [40 CFR 122.46(a)]
- (3) *Continuation of expired order.* After this Order and NPDES permit expires, the terms and conditions of this Order and NPDES permit are automatically continued pending issuance of a new permit if all requirements of the federal NPDES regulations on the continuation of expired permits (40 CFR 122.6) are complied with.

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c. AVAILABILITY

A copy of this Order must be kept at a readily accessible location and must be available to on-site personnel at all times.

d. CONFIDENTIALITY OF INFORMATION

Except as provided for in 40 CFR 122.7, no information or documents submitted in accordance with or in application for this Order will be considered confidential, and all such information and documents shall be available for review by the public at the San Diego Water Board office.

Claims of confidentiality for the following information will be denied:
[40 CFR 122.7(b)]

- (1) The name and address of any permit applicant or Copermittee;
[40 CFR 122.7(b)(1)] and
- (2) Permit applications and attachments, permits, and effluent data.
[40 CFR 122.7(b)(2)]

e. EFFLUENT LIMITATIONS

- (1) *Interim effluent limitations.* The Copermittee must comply with any interim effluent limitations as established by addendum, enforcement action, or revised waste discharge requirements which have been, or may be, adopted by the San Diego Water Board.
- (2) *Other effluent limitations and standards.* If any applicable toxic effluent standard or effective prohibition (including any schedule of compliance specified in such effluent standard or effective prohibition) is promulgated under Section 307(a) of the CWA for a toxic pollutant and that standard or effective prohibition is more stringent than any limitation on the pollutant in the permit, the San Diego Water Board shall institute proceedings under these regulations to modify or revoke and reissue the permit to conform to the toxic effluent standard or effective prohibition. [40 CFR 122.44(b)(1) ~~)]~~]

f. DUTY TO MINIMIZE OR CORRECT ADVERSE IMPACTS

The Copermittee must take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this Order, including such accelerated or additional monitoring as may be necessary to determine the nature and impact of the noncompliance.

g. PERMIT ACTIONS

The filing of a request by the Copermittee for modification, revocation and reissuance, or termination of this Order, or a notification of planned change in or anticipated

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noncompliance with this Order does not stay any condition of this Order. (See 40 CFR 122.41(f)) In addition, the following provisions apply to this Order:

- (1) Upon application by any affected person, or on its own motion, the San Diego Water Board may review and revise the requirements in this Order. All requirements must be reviewed periodically. [CWC Section 13263(e)]
- (2) This Order may be terminated or modified for cause, including, but not limited to, all of the following: [CWC Section 13381]
 - (a) Violation of any condition contained in the requirements of this Order. [CWC Section 13381(a)]
 - (b) Obtaining the requirements in this Order by misrepresentation, or failure to disclose fully all relevant facts. [CWC Section 13381(b)]
 - (c) A change in any condition that requires either a temporary or permanent reduction or elimination of the permitted discharge. [CWC Section 13381(c)]
- (3) When this Order is transferred to a new owner or operator, such requirements as may be necessary under the CWC may be incorporated into this Order.

h. NPDES PERMITTED NON-STORM WATER DISCHARGES

The San Diego Water Board has, in prior years, issued a limited number of individual NPDES permits for non-storm water discharges to MS4s. The San Diego Water Board or State Water Board may in the future, upon prior notice to the Copermittee(s), issue an NPDES permit for any non-storm water discharge (or class of non-storm water discharges) to an MS4. A Copermittee will not be held responsible for pollutants in its MS4 discharge originating from an NPDES-permitted non-storm water discharge.

Comment [A127]: This comment reflects the appropriate responsibility between NPDES dischargers.

i. MONITORING

In addition to the standard provisions required under 40 CFR 122.41(j) and (l)(4), the following general monitoring provisions apply to this Order:

- (1) Where procedures are not otherwise specified in Order, sampling, analysis and quality assurance/quality control must be conducted in accordance with the Quality Assurance Management Plan (QAMP) for the State of California's Surface Water Ambient Monitoring Program (SWAMP), adopted by the State Water Resources Control Board (State Water Board).
- (2) Pursuant to 40 CFR 122.41(j)(2) and CWC Section 13383(a), each Copermittee must retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least five (5) years from the date of the sample, measurement, report or application. This period may be extended by request of the San Diego Water Board at any time.

Comment [A128]: This provision and the provision in Attachment B 1.j(2) conflict. The Water Board should reconcile these provisions or delete one.

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- (3) All chemical, bacteriological, and toxicity analyses must be conducted at a laboratory certified for such analyses by the California Department of Public Health or a laboratory approved by the San Diego Water Board.
- (4) For priority toxic pollutants that are identified in the California Toxics Rule (CTR) (65 Fed. Reg. 31682), the Copermitttees must instruct their laboratories to establish calibration standards that are equivalent to or lower than the Minimum Levels (MLs) published in Appendix 4 of the Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California (SIP). If a Copermitttee can demonstrate that a particular ML is not attainable, in accordance with procedures set forth in 40 CFR Part 136, the lowest quantifiable concentration of the lowest calibration standard analyzed by a specific analytical procedure (assuming that all the method specified sample weights, volumes, and processing steps have been followed) may be used instead of the ML listed in Appendix 4 of the SIP. The Copermitttee must submit documentation from the laboratory to the San Diego Water Board for approval prior to raising the ML for any priority toxic pollutant.

j. ENFORCEMENT

- (1) The San Diego Water Board is authorized to enforce the terms of this Order under several provisions of the CWC, including, but not limited to, CWC Sections 13385, 13386, and 13387.
- (2) Nothing in this Order shall be construed to protect the Copermitttee from its liabilities under federal, state, or local laws.
- (3) The CWC provides for civil and criminal penalties comparable to, and in some cases greater than, those provided for under the CWA.
- (4) Except as provided in the standard conditions required under 40 CFR 122.41(m) and (n), nothing in this Order shall be construed to relieve the Copermitttee from civil or criminal penalties for noncompliance.
- (5) Nothing in this Order shall be construed to preclude the institution of any legal action or relieve the Copermitttee from any responsibilities, liabilities, or penalties to which the Copermitttee is or may be subject to under Section 311 of the CWA.
- (6) Nothing in this Order shall be construed to preclude institution of any legal action or relieve the Copermitttee from any responsibilities, liabilities, or penalties established pursuant to any applicable state law or regulation under authoring preserved by Section 510 of the CWA.

k. SEVERABILITY

The provisions of this Order are severable, and if any provision of this Order, or the application of any provisions of this Order to any circumstance, is held invalid, the application of such provision to other circumstances and the remainder of this Order shall not be affected thereby.

l. APPLICATIONS

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Any application submitted by a Copermitttee for reissuance or modification of this Order must satisfy all applicable requirements specified in federal regulations as well as any additional requirements for submittal of a Report of Waste Discharge specified in the CWC and the California Code of Regulations.

m. IMPLEMENTATION

All plans, reports and subsequent amendments submitted in compliance with this Order must be implemented immediately (or as otherwise specified). All submittals by Copermitttees must be adequate to implement the requirements of this Order.

n. REPORT SUBMITTALS

- (1) All report submittals must include an executive summary, introduction, conclusion, recommendations, and signed certified statement.
- (2) Each Copermitttee must submit a signed certified statement covering its responsibilities for each applicable submittal.
- (3) The Principal Watershed Copermitttee(s) must submit a signed certified statement covering its responsibilities for each applicable submittal and the sections of the submittals for which it is responsible.
- (4) Unless otherwise directed, the Copermitttees must submit one hard copy and one electronic copy of each report required under this Order to the San Diego Water Board, and one electronic copy to the USEPA.
- (5) The Copermitttees must submit reports and provide notifications as required by this Order to the following:

EXECUTIVE OFFICER
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION
9174 SKY PARK COURT, SUITE 100
SAN DIEGO CA 92123-4340
Telephone: (858) 467-2952 Fax: (858) 571-6972

EUGENE BROMLEY
US ENVIRONMENTAL PROTECTION AGENCY
REGION IX
PERMITS ISSUANCE SECTION (W-5-1)
75 HAWTHORNE STREET
SAN FRANCISCO CA 94105

ATTACHMENT C**ACRONYMS AND ABBREVIATIONS**

AMAL	Average Monthly Action Level
ASBS	Area(s) of Special Biological Significance
BMP	Best Management Practice
Basin Plan	Water Quality Control Plan for the San Diego Basin
CEQA	California Environmental Quality Act
CCR	California Code of Regulations
CFR	Code of Federal Regulations
CWA	Clean Water Act
CWC	California Water Code
CZARA	Coastal Zone Act Reauthorization Amendments of 1990
ESAs	Environmentally Sensitive Areas
GIS	Geographic Information System
IBI	Index of Biological Integrity
LID	Low Impact Development
MDAL	Maximum Daily Action Level
MEP	Maximum Extent Practicable
MS4	Municipal Separate Storm Sewer System
NAL	Non-Storm Water Action Level
NAICS	North American Industry Classification System
NOI	Notice of Intent
NPDES	National Pollutant Discharge Elimination System
ROWD	Report of Waste Discharge (application for NPDES reissuance)
SAL	Storm Water Action Level
San Diego Water Board	California Regional Water Quality Control Board, San Diego Region
SIC	Standard Industrial Classification Code
State Water Board	State Water Resources Control Board
TMDL	Total Maximum Daily Load
USEPA	United States Environmental Protection Agency
WDID	Waste Discharge Identification Number
WLA	Waste Load Allocation
WQBEL	Water Quality Based Effluent Limitation

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DEFINITIONS

Active/Passive Sediment Treatment - Using mechanical, electrical or chemical means to flocculate or coagulate suspended sediment for removal from runoff from construction sites prior to discharge.

Anthropogenic Litter – Trash generated from human activities, not including sediment.

Automotive Repair Shop – a facility that is categorized in any one of the following Standard Industrial Classification (SIC) codes: 5013, 5014, 5541, 7532-7534, or 7536-7539 or equivalent NAICS code.

Average Monthly Action Level – The highest allowable average of daily discharges over a calendar month, calculated as the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during that month, or the geometric mean for bacteria, as applicable.

Beneficial Uses - The uses of water necessary for the survival or wellbeing of man, plants, and wildlife. These uses of water serve to promote tangible and intangible economic, social, and environmental goals. “Beneficial Uses” ~~of the waters of the State~~ that may be protected include, but are not limited to, domestic, municipal, agricultural and industrial supply; power generation; recreation; aesthetic enjoyment; navigation; and preservation and enhancement of fish, wildlife, and other aquatic resources or preserves. Existing beneficial uses are uses that were attained in the surface or ground water on or after November 28, 1975; and potential beneficial uses are uses that would probably develop in future years through the implementation of various control measures. “Beneficial Uses” are equivalent to “Designated Uses” under federal law. [California Water Code Section 13050(f)].

Best Management Practices (BMPs) - Defined in 40 CFR 122.2 as schedules of activities, effective prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the United States. BMPs also include treatment requirements, operating procedures and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage. In the case of municipal discharge permits, BMPs may be used in the place of numeric effluent limits.

Bioassessment - The use of biological community information to evaluate the biological integrity of a water body and its watershed. With respect to aquatic ecosystems, bioassessment is the collection and analysis of samples of the benthic macroinvertebrate community together with physical/habitat quality measurements associated with the sampling site and the watershed to evaluate the biological condition (i.e. biotic integrity) of a water body.

Biofiltration - Practices that use vegetation and amended soils to detain and treat runoff from impervious areas. Treatment is through filtration, infiltration, adsorption, ion exchange, and biological uptake of pollutants.

Biological Integrity - Defined in Karr J.R. and D.R. Dudley. 1981. Ecological perspective on water quality goals. *Environmental Management* 5:55-68 as: “A balanced, integrated, adaptive community of organisms having a species composition, diversity, and functional organization comparable to that of natural habitat of the region.” Also referred to as ecosystem health.

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BMP Design Manual – A plan developed to eliminate, reduce, or mitigate the impacts of runoff from development projects, including Priority Development Projects.

Channel Rehabilitation and Improvement – Remedial measures or activities for the purpose of improving or restoring the environmental health of streams, channels or river systems. Techniques may vary from in-stream restoration techniques to off-line stormwater management practices installed in the system corridor or upland areas. Rehabilitation techniques may include, but are not limited to the following: riparian zone restoration, constructed wetlands, bank stabilization, channel modifications, and day lighting of drainage systems.

Comment [A129]: This term should be defined in Attachment C given its use in the Order.

Clean Water Act Section 303(d) Water Body - An impaired water body in which water quality does not meet applicable water quality standards and/or is not expected to meet water quality standards, even after the application of technology based pollution controls required by the CWA. The discharge of runoff to these water bodies by the Copermitees is significant because these discharges can cause or contribute to violations of applicable water quality standards.

Construction Site – Any project, including projects requiring coverage under the Construction General Permit, that involves soil disturbing activities greater than 10,000 square feet including, but not limited to, clearing, grading, disturbances to ground such as stockpiling, and excavation. This does not include interior construction activities such as interior remodeling, plumbing, electrical, or mechanical work.

Contamination - As defined in the Porter-Cologne Water Quality Control Act, contamination is “an impairment of the quality of waters of the State by waste to a degree which creates a hazard to the public health through poisoning or through the spread of disease. ‘Contamination’ includes any equivalent effect resulting from the disposal of waste whether or not waters of the State are affected.”

Copermitee – An incorporated city within the County of Orange, County of Riverside, or County of San Diego in the San Diego Region; (Region 9); the County of Orange, the County of Riverside, the County of San Diego, the Orange County Flood Control District, the Riverside County Water Conservation and Flood Control District, the San Diego Regional Airport Authority, or the San Diego Unified Port District. See also “Municipal Copermitee” and “Special District Copermitee”.

Comment [A130]: As set forth above, the Riverside County Copermitees make a distinction in these classes of Copermitees based on their respective legal authorities.

Copermitees – All of the individual Copermitees, collectively; unless the obligation in question is directed to one or a sub-group of Copermitees.

Comment [A131]: This clarifies that not all obligations in the Order directed to “Copermitees” are in fact applicable to all Copermitees.

Critical Channel Flow (Qc) – The channel flow that produces the critical shear stress that initiates bed movement or that erodes the toe of channel banks. When measuring Qc, it should be based on the weakest boundary material – either bed or bank.

Daily Discharge – Defined as either: (1) the total mass of the constituent discharged over the calendar day or any 24 hour period that reasonably represents a calendar day for purposes of sampling (as specified in the permit), for a constituent with limitations expressed in units of mass or; (2) the unweighted arithmetic mean measurement of the constituent over the day for a constituent with limitations expressed in other units of measurement (e.g. concentration.)

The Daily Discharge may be determined by the analytical results of a composite sample taken over the course of one day (a calendar day, or other 24 hour period other than a day), or by the arithmetic mean of analytical results from one or more grab samples taken over the course of a

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day.

Development Projects - Construction, rehabilitation, redevelopment, or reconstruction of any public or private residential project, industrial, ~~or~~ commercial facility, or any other projects designed for post-construction human activity or occupation and involving land disturbance activities.

Comment [A132]: This definition clarifies the nature of Development Projects covered under the Order.

Direct Discharge to an Environmentally Sensitive Area – refers to outflow from a drainage conveyance system that collects runoff from the subject development or redevelopment site and terminates at or in receiving waters within the ESA, and is not commingled with flows from adjacent or other upstream lands.

Dry Season – May 1 to September 30.

Dry Weather – Weather is considered dry if the preceding 72 hours has been without measurable precipitation (>0.1 inch).

Enclosed Bays – Enclosed bays are indentations along the coast that enclose an area of oceanic water within distinct headlands or harbor works. Enclosed bays include all bays where the narrowest distance between the headlands or outermost bay works is less than 75 percent of the greatest dimension of the enclosed portion of the bay. Enclosed bays do not include inland surface waters or ocean waters.

Erosion – When land is diminished or worn away due to wind, water, or glacial ice. Often the eroded debris (silt or sediment) becomes a pollutant via storm water runoff. Erosion occurs naturally but can be intensified by land clearing activities such as farming, development, road building, and timber harvesting. This permit is concerned particularly with non-naturally occurring Erosion that eventually results in a Sediment discharge from MS4s into Receiving Waters.

Environmentally Sensitive Areas (ESAs) - Areas that include but are not limited to all Clean Water Act Section 303(d) impaired water bodies; areas designated as Areas of Special Biological Significance by the State Water Board and San Diego Water Board; State Water Quality Protected Areas; water bodies designated with the RARE beneficial use by the State Water Board and San Diego Water Board; areas designated as preserves or their equivalent under the Natural Communities Conservation Program within the Cities and County of Orange; and any other equivalent environmentally sensitive areas which have been identified by the Copermitttees.

Estuaries – Waters, including coastal lagoons, located at the mouth of streams that serve as areas of mixing fresh and ocean waters. Coastal lagoons and mouths of streams that are temporarily separated from the ocean by sandbars shall be considered estuaries. Estuarine waters shall be considered to extend from a bay or the open ocean to a point upstream where there is no significant mixing of fresh water and ocean water. Estuaries do not include inland surface waters or ocean waters.

Existing Development – Any area that has been developed and exists for municipal, commercial, industrial, or residential purposes, uses, or activities. May include areas that are not actively used for its originally developed purpose, but may be re-purposed or redeveloped

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for another use or activity.

Flow Duration – The long-term period of time that flows occur above a threshold that causes significant sediment transport and may cause excessive erosion damage to creeks and streams (not a single storm event duration). The simplest way to visualize this is to consider a histogram of pre- and post-project flows using long-term records of hourly data. To maintain pre-development flow duration means that the total number of hours (counts) within each range of flows in a flow-duration histogram cannot increase between the pre- and post-development condition. Flow duration within the range of geomorphologically significant flows is important for managing erosion.

Grading - The cutting and/or filling of the land surface to a desired slope or elevation.

Hazardous Material – Any substance that poses a threat to human health or the environment due to its toxicity, corrosiveness, ignitability, explosive nature or chemical reactivity. These also include materials named by the USEPA in 40 CFR 116 to be reported if a designated quantity of the material is spilled into the waters of the U.S. or emitted into the environment.

Hazardous Waste - Hazardous waste is defined as “any waste which, under Section 600 of Title 22 of this code, is required to be managed according to Chapter 30 of Division 4.5 of Title 22 of this code” [CCR Title 22, Division 4.5, Chapter 11, Article 1].

Household Hazardous Waste – Paints, cleaning products, and other hazardous wastes generated during home improvement or maintenance activities.

Hydromodification – The change in the natural watershed hydrologic processes and runoff characteristics (i.e., interception, infiltration, overland flow, and groundwater flow) caused by urbanization or other land use changes that result in increased stream flows and sediment transport. In addition, alteration of stream and river channels, such as stream channelization, concrete lining, installation of dams and water impoundments, and excessive streambank and shoreline erosion are also considered hydromodification, due to their disruption of natural watershed hydrologic processes.

Illicit Connection – Any connection to the MS4 that conveys an illicit discharge.

Illicit Discharge - Any discharge to the MS4 that is not composed entirely of storm water except discharges pursuant to a NPDES permit and discharges resulting from fire fighting activities [40 CFR 122.26(b)(2)]. Discharges from natural sources or from conditionally exempt sources described in this Order are not considered Illicit Discharges.

Inactive Areas – Areas of construction activity that are not active and those that have been active and are not scheduled to be re-disturbed for at least 14 days.

Infiltration – Water other than wastewater that enters a sewer system (including sewer service connections and foundation drains) from the ground through such means as defective pipes, pipe joints, connections, or manholes. Infiltration does not include, and is distinguished from, inflow [40 CFR 35.2005(20)].

Inland Surface Waters – Includes all surface waters of the U.S.State that do not include the ocean, enclosed bays, or estuaries.

Comment [A133]: Wrong definition. Should be defining infiltration (of stormwater into soil)

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Jurisdictional Runoff Management Program Document – A written description of the specific jurisdictional runoff management measures and programs that each Copermitttee will implement to comply with this Order and ensure that ~~illicit discharges are effectively prohibited, and~~ storm water pollutant discharges in runoff are reduced to the MEP and do not cause or contribute to a violation of water quality standards.

Low Impact Development (LID) – A storm water management and land development strategy that emphasizes conservation and the use of on-site natural features integrated with engineered, small-scale hydrologic controls to more closely reflect pre-development hydrologic functions.

Low Impact Development Best Management Practices (LID BMPs) – LID BMPs include schedules of activities, ~~effective~~ prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the United States through storm water management and land development strategies that emphasize conservation and the use of on-site natural features integrated with engineered, small-scale hydrologic controls to more closely reflect pre-development hydrologic functions. LID BMPs include retention practices that do not allow runoff, such as infiltration, rain water harvesting and reuse, and evapotranspiration. LID BMPs also include flow-through practices such as biofiltration that may have some discharge of storm water following pollutant reduction.

Major Outfall – As defined in the Code of Federal Regulations, a major outfall is a MS4 outfall that discharges from a single pipe with an inside diameter of 36 inches or more or its equivalent (i.e. discharge from a single conveyance other than a circular pipe which is associated with a drainage area of more than 50 acres); or, for MS4s that receive storm water from lands zoned for industrial activity (based on comprehensive zoning plans or equivalent), a MS4 outfall that discharges from a single pipe with an inside diameter of 12 inches or more or from its equivalent (i.e. discharge from other than a circular pipe associated with a drainage area of 2 acres or more).

Maximum Daily Action Level (MDAL) –The highest allowable daily discharge of a pollutant, over a calendar day (or 24 hour period). For pollutants with action levels expressed in units of mass, the daily discharge is calculated as the total mass of the pollutant discharged over the day. For pollutants with action levels expressed in other units of measurement, the daily discharge is calculated as the arithmetic mean measurement of the pollutant over the day.

Maximum Extent Practicable (MEP) – The technology-based standard established by Congress in CWA section 402(p)(3)(B)(iii) ~~for storm water~~ that operators of MS4s must meet. Technology-based standards establish the level of pollutant reductions that dischargers must achieve, typically by treatment or by a combination of source control and treatment control BMPs. MEP generally emphasizes pollution prevention and source control BMPs primarily (as the first line of defense) in combination with treatment methods serving as a backup (additional line of defense). MEP considers economics and is generally, but not necessarily, less stringent than BAT. A definition for MEP is not provided either in the statute or in the regulations. Instead the definition of MEP is dynamic and will be defined by the following process over time: municipalities propose their definition of MEP by way of their runoff management programs. Their total collective and individual activities conducted pursuant to the runoff management programs becomes their proposal for MEP as it applies both to their overall effort, as well as to specific activities (e.g., MEP for street sweeping, or MEP for MS4 maintenance). In the absence of a proposal acceptable to the San Diego Water Board, the San Diego Water Board

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defines MEP.

In a memo dated February 11, 1993, entitled "Definition of Maximum Extent Practicable," Elizabeth Jennings, Senior Staff Counsel, SWRCB addressed the achievement of the MEP standard as follows:

"To achieve the MEP standard, municipalities must employ whatever Best Management Practices (BMPs) are technically feasible (i.e., are likely to be effective) and are not cost prohibitive. The major emphasis is on technical feasibility. Reducing pollutants to the MEP means choosing effective BMPs, and rejecting applicable BMPs only where other effective BMPs will serve the same purpose, or the BMPs would not be technically feasible, or the cost would be prohibitive. In selecting BMPs to achieve the MEP standard, the following factors may be useful to consider:

- a. *Effectiveness: Will the BMPs address a pollutant (or pollutant source) of concern?*
- b. *Regulatory Compliance: Is the BMP in compliance with storm water regulations as well as other environmental regulations?*
- c. *Public Acceptance: Does the BMP have public support?*
- d. *Cost: Will the cost of implementing the BMP have a reasonable relationship to the pollution control benefits to be achieved?*
- e. *Technical Feasibility: Is the BMP technically feasible considering soils, geography, water resources, etc.?*

The final determination regarding whether a municipality has reduced pollutants to the maximum extent practicable can only be made by the Regional or State Water Boards, and not by the municipal discharger. If a municipality reviews a lengthy menu of BMPs and chooses to select only a few of the least expensive, it is likely that MEP has not been met. On the other hand, if a municipal discharger employs all applicable BMPs except those where it can show that they are not technically feasible in the locality, or whose cost would exceed any benefit derived, it would have met the standard. Where a choice may be made between two BMPs that should provide generally comparable effectiveness, the discharger may choose the least expensive alternative and exclude the more expensive BMP. However, it would not be acceptable either to reject all BMPs that would address a pollutant source, or to pick a BMP based solely on cost, which would be clearly less effective. In selecting BMPs the municipality must make a serious attempt to comply and practical solutions may not be lightly rejected. In any case, the burden would be on the municipal discharger to show compliance with its permit. After selecting a menu of BMPs, it is the responsibility of the discharger to ensure that all BMPs are implemented."

Monitoring Year – October 1 to September 30

Municipal Copermittee – Any Copermittee, exclusive of Special District Copermittees.

Municipal Separate Storm Sewer System (MS4) – A conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains): (i) Owned or operated by a State, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to State law) having jurisdiction over disposal of sewage, industrial wastes, storm water, or other wastes, including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or designated and approved management agency under section 208 of the CWA that discharges to waters of the United States; (ii) Designated or used for collecting or conveying storm water;

Comment [A134]: This definition clarifies distinction between municipal and special district copermittees.

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(iii) Which is not a combined sewer; (iv) Which is not part of the Publicly Owned Treatment Works (POTW) as defined at 40 CFR 122.226. Copermitees need only comply with permit conditions relating to "discharges from the municipal separate storm sewers for which they are operators." 40 CFR 122.26(a)(vi).

Comment [A135]: These changes correct a citation and clarifies the responsibility of the copermitees as to other MS4s.

National Pollutant Discharge Elimination System (NPDES) - The national program for issuing, modifying, revoking and reissuing, terminating, monitoring and enforcing permits, and imposing and enforcing pretreatment requirements, under Sections 307, 318, 402, and 405 of the CWA.

Non-Storm Water - All discharges to and from a MS4 that do not originate from precipitation events (i.e., all discharges from a MS4 other than storm water). Non-storm water includes illicit discharges and NPDES permitted discharges.

Comment [A136]: This is overly limiting. There are other types of Non-storm discharges that do not fit these two categories (e.g. irrigated agriculture, natural flows, conditionally exempt flows, others). Rather than trying to identify all types of non-stormwater discharges, suggest just deleting this sentence.

Nuisance - As defined in the Porter-Cologne Water Quality Control Act, a nuisance is "anything which meets all of the following requirements: 1) Is injurious to health, or is indecent, or offensive to the senses, or an obstruction to the free use of property, so as to interfere with the comfortable enjoyment of life or property. 2) Affects at the same time an entire community or neighborhood, or any considerable number of persons, although the extent of the annoyance or damage inflicted upon individuals may be unequal. 3) Occurs during, or as a result of, the treatment or disposal of wastes."

Ocean Waters – the territorial marine waters of the State as defined by California law to the extent these waters are outside of enclosed bays, estuaries, and coastal lagoons. Discharges to ocean waters are regulated in accordance with the State Board’s California Ocean Plan.

Order – Unless otherwise specified, refers to this Order, Order No. R9-2013-0001 (NPDES No. CAS0109266)

Outfall – Outfall means a point source as defined by 40 CFR 122.2 at the point where a MS4 discharges to waters of the United States and does not include open conveyances connecting two MS4s, or pipes, tunnels or other conveyances which connect segments of the same stream or other waters of the United States and are used to convey waters of the United. 40 CFR 122.26(b)(9).

Comment [A137]: This federal regulatory definition clarifies the nature of an outfall.

Parking Lot – a land area or facility for the temptraory parking or storage of motor vehicles used personally, for business, or for commerce.

Comment [A138]: Definition placed in Attachment C for consistency.

Persistent Flow - Persistent flow is defined as the presence of an MS4 discharge that is hydraulically connected to a flowing, pooled, or ponded receiving water more than 72 hours after a measureable rainfall event of 0.1 inch or greater during three consecutive monitoring and/or inspection events. All other flowing, pooled, or ponded water is considered transient.

Comment [A139]: Changes reflect the necessity of a connection to flowing receiving waters. Discharges that are pooled are not discharges to waters of the United States. Please see Comment Letter section 3.5.3.

Person - A person is defined as an individual, association, partnership, corporation, municipality, State or Federal agency, or an agent or employee thereof [40 CFR 122.2].

Point Source - Any discernible, confined, and discrete conveyance, including, but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operations, landfill leachate collection systems, vessel, or other floating craft from which pollutants are or may be discharged. This term does not include return

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flows from irrigated agriculture or agricultural storm water runoff.

Pollutant - Any agent that may cause or contribute to the degradation of water quality such that a condition of pollution or contamination is created or aggravated.

Pollution - As defined in the Porter-Cologne Water Quality Control Act, pollution is “the alteration of the quality of the waters of the State by waste, to a degree that unreasonably affects the either of the following: 1) The waters for beneficial uses; or 2) Facilities that serve these beneficial uses.” Pollution may include contamination.

Pollution Prevention - Pollution prevention is defined as practices and processes that reduce or eliminate the generation of pollutants, in contrast to source control BMPs, treatment control BMPs, or disposal.

Pre-ProjectDevelopment Runoff Conditions – Runoff conditions that ~~exist~~~~existed~~ onsite ~~immediately~~ before the ~~existing development was constructed, or exists onsite before~~ planned development activities occur. ~~Pre-development is not intended to be interpreted as that period before any human-induced land disturbance has occurred. 64 FR 68761.~~

Comment [A140]: This definition reflects the exact language used by U.S. EPA in the Federal Register. Moreover, it avoids the constitutional and statutory problems with requiring developers to mitigate for impacts not attributable to their project. It also is consistent with the CEQA standard for project impact mitigation.

Priority Development Projects - New development and redevelopment projects defined under Provision [E.3.b](#) of Order No. R9-2012-0011.

Properly Designed – ~~Designed in accordance with the Copermittie’s BMP Design Manual and/or any appropriate design requirements set forth by the Copermittie and based on widely accepted design criteria and in accordance with this Order.~~

Comment [A141]: This definition is required to address this standard, which is mentioned in the Order but not defined.

Rainy Season (aka Wet Season) –October 1 to April 30

Receiving Waters – Waters of the United States.

Receiving Water Limitations - Waste discharge requirements issued by the San Diego Water Board typically include both: (1) “Effluent Limitations” (or “Discharge Limitations”) that specify the technology-based or water-quality-based effluent limitations; and (2) “Receiving Water Limitations” that specify the water quality objectives in the Basin Plan as well as any other limitations necessary to attain those objectives. In summary, the “Receiving Water Limitations” provision is the provision used to implement the requirements of CWA section 402(p)(3)(B).

Redevelopment - The creation, addition, and or replacement of impervious surface on an already developed site. Examples include the expansion of a building footprint, road widening, the addition to or replacement of a structure, and creation or addition of impervious surfaces. Replacement of impervious surfaces includes any activity that is not part of a routine maintenance activity where impervious material(s) are removed, exposing underlying soil during construction. Redevelopment does not include trenching and resurfacing associated with utility work; parking lots; resurfacing existing roadways; cutting and reconfiguring of surface parking lots; new sidewalk construction, pedestrian ramps, or bike lane on existing roads; and routine replacement of damaged pavement, such as pothole repair and emergency restoration and public safety projects.

Comment [A142]: The changes requested in this definition appropriately exempts de minimis or emergency/public safety projects.

Reporting Period – The period of information that is reported in the Annual Report. The reporting period consists of two components: 1) July 1 to June 30, consistent with the fiscal

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year, for the implementation of the jurisdictional runoff management programs, and 2) October 1 to September 30, consistent with the monitoring year for the monitoring and assessment programs. Together, these two time periods constitute the reporting year for the Annual Report due January 31 following the end of the monitoring year.

Restaurant – a facility that sells prepared foods and drinks for consumption, including stationary lunch counters and refreshment stands selling prepared foods and drinks for immediate consumption (SIC code 5812).

Comment [A143]: Relocation of definition to Attachment C.

Retail gasoline outlet (RGO) – a business that sells automotive or truck fuel to the general public with a projected Average Daily Traffic (ADT) of 100 or more vehicles per day.

Comment [A144]: Definition added for clarity and consistency with prior redlines

Retain –Keep or hold in a particular place, condition, or position without discharge to ~~surface~~ Receiving Wwaters.

Retrofitting – Storm water management practices put into place after development has occurred in watersheds where the practices previously did not exist. ~~or are ineffective.~~ Retrofitting of developed areas is intended to improve water quality, protect downstream channels, reduce flooding, or meet other specific objectives. Retrofitting developed areas may include, but is not limited to replacing roofs with green roofs, disconnecting downspouts or impervious surfaces to drain to pervious surfaces, replacing impervious surfaces with pervious surfaces, installing rain barrels, installing rain gardens, and trash area enclosures.

Comment [A145]: Edit clarifies intent of definition.

Runoff - All flows in a storm water conveyance system that consists of the following components: (1) storm water (wet weather flows) and (2) non-storm water including dry weather flows.

San Diego Water Board – As used in this document the term "San Diego Water Board" is synonymous with the term "Regional Board" as defined in Water Code section 13050(b) and is intended to refer to the California Regional Water Quality Control Board for the San Diego Region as specified in Water Code Section 13200.

Sediment - Soil, sand, and minerals washed from land into water. Sediment resulting from anthropogenic sources (i.e. human induced land disturbance activities) that is discharged into Receiving Waters is considered a pollutant. This Order regulates only the discharges of sediment from anthropogenic sources into Receiving Waters and does not regulate naturally occurring sources of sediment. Sediment can destroy fish-nesting areas, clog animal habitats, and cloud waters so that sunlight does not reach aquatic plants.

Special District Copermittee – A separate legal entity that may own or operate MS4 systems, but has no land use authorities outside of their MS4. The Riverside County Flood Control and Water Conservation District [and Orange County Flood Control District?] is a [are] Special District Copermittee[s].

Source Control BMP – Land use or site planning practices, or structural or nonstructural measures that aim to prevent runoff pollution by reducing the potential for contamination at the source of pollution. Source control BMPs minimize the contact between pollutants and runoff.

Storm Water – Per 40 CFR 122.26(b)(13), means storm water runoff, snowmelt runoff and surface runoff and drainage. ~~Surface runoff and drainage pertains to runoff and drainage resulting from precipitation events.~~

Riverside Copermitttee Redlines

Stream, Channel, or Habitat Rehabilitation – Measures or activities for the purpose of improving or restoring the environmental health (i.e. physical, chemical and biological integrity) of streams, channels, or river systems. Rehabilitation techniques may include, but are not limited to, riparian zone restoration, constructed wetlands, bank stabilization, channel reconfiguration, and daylighting drainage systems.

Street, Road, Highway, Freeway– Any paved impervious surface that is used for the transportation of automobiles, trucks, motorcycles, and other vehicles, with an ADT of at least 100 vehicles per day.

Comment [A146]: Definition relocated to Attachment C.

Comment [A147]: Consistent with RGO definition.

Structural BMPs - A subset of BMPs which detains, retains, filters, removes, or prevents the release of pollutants to surface waters from development projects in perpetuity, after construction of a project is completed.

Total Maximum Daily Load (TMDL) - The maximum amount of a pollutant that can be discharged into a water body from all sources (point and non-point) and still maintain water quality standards. Under CWA section 303(d), TMDLs must be developed for all water bodies that do not meet water quality standards after application of technology-based controls.

Toxicity - Adverse responses of organisms to chemicals or physical agents ranging from mortality to physiological responses such as impaired reproduction or growth anomalies). The water quality objectives for toxicity provided in the Basin Plan, state in part...“All waters shall be free of toxic substances in concentrations that are toxic to, or that produce detrimental physiological responses in human, plant, animal, or aquatic life....The survival of aquatic life in surface waters subjected to a waste discharge or other controllable water quality factors, shall not be less than that for the same water body in areas unaffected by the waste discharge”.

Treatment Control BMP – Any engineered system designed to remove pollutants by simple gravity settling of particulate pollutants, filtration, biological uptake, media absorption or any other physical, biological, or chemical process.

Unpaved Road – Any long, narrow stretch without pavement used for traveling by motor passenger vehicles between two or more points. Unpaved roads are generally constructed of dirt, gravel, aggregate or macadam and may be improved or unimproved.

Waste - As defined in CWC Section 13050(d), “waste includes sewage and any and all other waste substances, liquid, solid, gaseous, or radioactive, associated with human habitation, or of human or animal origin, or from any producing, manufacturing, or processing operation, including waste placed within containers of whatever nature prior to, and for purposes of, disposal.”

Article 2 of CCR Title 23, Chapter 15 (Chapter 15) contains a waste classification system that applies to solid and semi-solid waste, which cannot be discharged directly or indirectly to water of the state and which therefore must be discharged to land for treatment, storage, or disposal in accordance with Chapter 15. There are four classifications of waste (listed in order of highest to lowest threat to water quality): hazardous waste, designated waste, non-hazardous solid waste, and inert waste.

Water Quality Objective - Numerical or narrative limits on constituents or characteristics of

Riverside Copermitttee Redlines

water designated to protect designated beneficial uses of the water. [California Water Code Section 13050 (h)]. California's water quality objectives are established by the State and Regional Water Boards in the Water Quality Control Plans. Numeric or narrative limits for pollutants or characteristics of water designed to protect the beneficial uses of the water. In other words, a water quality objective is the maximum concentration of a pollutant that can exist in a receiving water and still generally ensure that the beneficial uses of the receiving water remain protected (i.e., not impaired). Since water quality objectives are designed specifically to protect the beneficial uses, when the objectives are violated the beneficial uses are, by definition, no longer protected and become impaired. This is a fundamental concept under the Porter Cologne Act. Equally fundamental is Porter Cologne's definition of pollution. A condition of pollution exists when the water quality needed to support designated beneficial uses has become unreasonably affected or impaired; in other words, when the water quality objectives have been violated. These underlying definitions (regarding beneficial use protection) are the reason why all waste discharge requirements implementing the federal NPDES regulations require compliance with water quality objectives. (Water quality objectives are also called water quality criteria in the CWA.)

Water Quality Standards - Water quality standards, as defined in Clean Water Act section 303(c) consist of the beneficial uses (e.g., swimming, fishing, municipal drinking water supply, etc.) of a water body and criteria (referred to as water quality objectives in the California Water Code) necessary to protect those uses. Under the Water Code, the water boards establish beneficial uses and water quality objectives in water quality control or basin plans. Together with an anti-degradation policy, these beneficial uses and water quality objectives serve as water quality standards under the Clean Water Act. In Clean Water Act parlance, state beneficial uses are called "designated uses" and state water quality objectives are called "criteria." Throughout this Order, the relevant term is used depending on the statutory scheme.

Waters of the State - Any water, surface or underground, including saline waters within the boundaries of the State [CWC section 13050 (e)]. The definition of the Waters of the State is broader than that for the Waters of the United States in that all water in the State is considered to be a Waters of the State, ~~regardless of circumstances or condition.~~

Comment [A148]: The intent of the definition is to cover natural water sources, and not anthropogenic structures that collect runoff to reduce volume/velocity or pollutants.

Waters of the United States - As defined in the 40 CFR 122.2, the Waters of the U.S. are defined as: "(a) All waters, which are currently used, were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide; (b) All interstate waters, including interstate "wetlands;" (c) All other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, "wetlands," sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds the use, degradation or destruction of which would affect or could affect interstate or foreign commerce including any such waters: (1) Which are or could be used by interstate or foreign travelers for recreational or other purposes; (2) From which fish or shellfish are or could be taken and sold in interstate or foreign commerce; or (3) Which are used or could be used for industrial purposes by industries in interstate commerce; (d) All impoundments of waters otherwise defined as waters of the United States under this definition: (e) Tributaries of waters identified in paragraphs (a) through (d) of this definition; (f) The territorial seas; and (g) "Wetlands" adjacent to waters (other than waters that are themselves wetlands) identified in paragraphs (a) through (f) of this definition. Waters of the United States do not include prior converted cropland. Notwithstanding the determination of an area's status as prior converted cropland by any other federal agency, for the purposes of the Clean Water Act, the final authority regarding Clean Water Act jurisdiction remains with the EPA."

Riverside Copermitttee Redlines

Watershed - That geographical area which drains to a specified point on a water course, usually a confluence of streams or rivers (also known as drainage area, catchment, or river basin).

Wet Season (aka Rainy Season) –October 1 to April 30

Wet Weather – Weather is considered wet if there is a storm event of 0.1 inches and greater and the following 72 hours, unless otherwise defined by the Copermitttee for the purposes of monitoring consistent with the USEPA Storm Water Sampling Guidance Document (EPA-833-B-92-001), or developed pursuant to another regulatory mechanism.

Comment [A149]: This is important as the monitoring requirements require you to sample the first 'Wet Weather' event. 0.1" of rainfall doesn't result in runoff in all watersheds. Copermitttees should be able to define mobilization criteria to identify storms that are likely to produce runoff in that drainage area consistent with this EPA guidance.

**LEGAL AND FACT SHEET COMMENTS ON TENTATIVE ORDER R9-2013-0001
MADE ON BEHALF OF THE RIVERSIDE COUNTY COPERMITTEES**

This document provides comments on various legal issues raised by Tentative Order No. R9-2013-0001 (the “Draft Permit”) and associated attachments, including Attachment F, the Fact Sheet/Technical Report (“Fact Sheet”), and are made on behalf of the Riverside County Flood Control & Water Conservation District (“District”), the County of Riverside and the Cities of Murrieta, Temecula and Wildomar (collectively, the “Riverside County Copermittees”).

These legal comments are in addition to the other comments on the Draft Permit and attachments made by the Riverside County Copermittees (including the Comment Letter dated January 10, 2013 and signed by Jason E. Uhley, Chief of the District’s Watershed Protection Division) and the redline attachment (“Redline”), as well as any comments or testimony which may be offered at the public hearing(s) on the Draft Permit. The Comment Letter and Redline also discuss legal issues. The Riverside County Copermittees appreciate this opportunity to comment and welcome any questions that Water Board staff may have.

These comments are submitted subject to the same reservations set forth in the Comment Letter regarding the Water Board’s lack of authority, in the absence of agreement by the Riverside County Copermittees or the filing of a Report of Waste Discharge (“ROWD”), to issue a regional municipal separate storm sewer system (“MS4”) permit to the Riverside County Copermittees. Submission of these comments does not waive this objection.

Request for Additional Public Comment

Before turning to comments on the Draft Permit, the Riverside County Copermittees wish to note that in view of the extensive comments made by them, as well as what we anticipate will be extensive comments by the South Orange County and San Diego County Copermittees, as well as from other stakeholders, it would greatly facilitate the permit adoption process if the Water Board were to release a revised Tentative Order for further review and comment prior to final adoption of the Permit. This will enable the Water Board staff to address the comments in a more orderly fashion and provide all parties with the opportunity to see how staff proposes to incorporate the comments in the Draft Permit.

Comments on Findings

Finding 2 and Fact Sheet Section VII.B: This finding recites that the Water Board “has the legal authority to issue a regional MS4 permit pursuant to its authority under Clean Water Act (“CWA”) section 402(p)(3)(B) and 40 CFR 122.26(a)(i)(v).” Section VII.B of the Fact Sheet provides a more detailed rationale for this finding (at pages F-22-23).

The Riverside County Copermittees respectfully disagree with this finding and the analysis provided in the Fact Sheet. We do not believe that a regional MS4 permit is authorized under the CWA or the implementing regulations, absent agreement by the copermittees to be bound by such a MS4 permit (as is the case with the Bay Area MS4 permit covering discharges into the Bay).

The CWA itself does not explicitly authorize MS4 permits that, like the Draft Permit, cross county lines. CWA section 402(p)(3)(B) provides only that “[p]ermits for discharges from municipal storm sewers . . . may be issued on a system- or jurisdiction-wide basis.” This language, contrary to the conclusion in Finding 2, indicates that a multi-county permit, covering several distinct non-interconnected municipal stormwater “systems” in multiple watersheds with multiple receiving waters, is not one issued on a “system-wide” basis and that an MS4 permit covering multiple jurisdictions in three different counties is not one issued on a “jurisdiction-wide basis.” Because neither “system-wide” nor “jurisdiction-wide” are defined in the CWA, however, the CWA regulations must also be reviewed.

The regulatory provision cited in Finding 2, 40 CFR § 122.26(a)(1)(v), does not add clarity, since it merely repeats the “system-wide” and “jurisdiction-wide” language of the Act and the regulations define neither term. The regulations do, however, suggest that “system-wide” is not intended to cover multiple large MS4s in different jurisdictions. The regulations, at 40 CFR § 122.26(a)(1)(v) state that in making the determination to designate a system-wide or jurisdiction-wide basis” the permitting authority should consider the location of the “discharge” with respect to waters of the United States, the size of the discharge, the quantity and nature of the pollutants discharge and other relevant factors.

The Draft Permit covers multiple “discharges” into receiving waters located in three separate counties and the size, quality and nature of the discharges vary widely, due to varying hydrologic and climatic conditions in the three areas.

The Fact Sheet cites 40 CFR § 122.26(a)(3)(iv), which provides, in relevant part, that the Water Board “may issue one systemwide permit covering all, or a portion of all municipal separate storm systems in adjacent or interconnected large or medium municipal separate storm sewer systems.” This provision does not, however, authorize issuance of a regional MS4 permit covering multiple counties and multiple watersheds that are not interconnected and which do not share a common receiving water. In fact, the only common fact uniting the various MS4s in the three counties under the Water Board’s jurisdiction is that common jurisdiction.

First, even if the subject MS4 facilities otherwise met the criteria specified in the federal regulations (which, as noted below, they do not), the prospective permittees must apply for such a MS4 permit, as set forth in the first sentence of 40 CFR § 122.26(a)(3)(iv): “*One permit application may be submitted for all or a portion of all municipal separate storm sewers within adjacent or interconnected large or medium municipal separate storm sewer systems.*” (emphasis supplied). No such application has been filed with respect to the Draft Permit. Only the San Diego County copermitees submitted a ROWD for MS4 facilities within that county.¹

¹ Moreover, the fact that permittees have the ability to determine the geographic scope of the permit is reinforced by the language in 40 CFR § 122.26(a)(3)(iii)(B), which allows an individual municipality to submit “a distinct permit application which only covers discharges from the [MS4] for which the owner is responsible . . .” If a permittee can “opt out” of a multi-MS4 permit by submitting a individual permit application, a permitting authority such as a water board cannot impose a multi-MS4 permit on that permittee.

Second, this provision requires that the MS4s to be covered in the permit be “adjacent or interconnected.” This is not true with respect to the MS4s proposed to be included within the Draft Permit. For example, the MS4 within the Santa Margarita Region of Riverside County is not “interconnected” with any other MS4s except those within that region. This is true also of the MS4s within South Orange County and San Diego County, which are not interconnected. Additionally, none of the MS4s in the three counties is “adjacent” to each other – each is separated by miles of non-urban area. In the SMR for example, the confluence of Temecula and Murrieta Creeks to form the Santa Margarita River is miles upstream of Rainbow Creek, the first discharge from San Diego County to the River. And, the confluence of Temecula and Murrieta Creeks is over 30 miles from the discharge of the Santa Margarita River to the Pacific Ocean.

The next inquiry is whether the three separate county MS4s could be considered, together, to form a single “large municipal separate storm sewer system.” The federal MS4 regulations define this term as follows:

Large municipal separate storm sewer system means all municipal separate storm sewers that are either:

- (i) Located in an incorporated place with a population of 250,000 or more”
- (ii) Located in the counties listed in Appendix H, except municipal separate storm sewers that are located in the incorporated places, townships or towns within such counties; or
- (iii) Owned or operated by a municipality other than those described [in paragraphs (i) and (ii)] . . . and that are designated by the Director as part of the large or medium municipal separate storm sewer system due to the interrelationship between the discharges of the designated storm sewer and the discharges from municipal separate storm sewers described [in paragraphs (i) and (ii)]. In making this determination the Director may consider the following factors:
 - (A) Physical interconnections between the municipal separate storm sewers;
 - (B) The location of discharges from the designated municipal separate storm sewer relative to discharges from municipal separate storm sewers described in [paragraph (i)];
 - (C) The quantity and nature of pollutants discharged to waters of the United States;
 - (D) The nature of the receiving waters; and
 - (E) Other relevant factors, or
- (iv) The Director may, upon petition, designate as a large municipal separate storm sewer system, municipal separate storm sewers located within the boundaries of a region

defined by a storm water management regional authority based on a jurisdictional, watershed, or other appropriate basis that includes one or more of the systems described [in paragraphs (i), (ii) or (iii)].

40 CFR § 122.26(b)(4).

None of paragraphs (i), (ii) or (iii) authorizes a regional MS4 permit such as that envisioned in the Draft Permit. The Draft Permit applies beyond a single incorporated place, County or municipality. Of these paragraphs, only paragraph (iv) could arguably be used to define the MS4s in the three Counties as a single MS4 and thus authorize a regional permit. The key limiting language is, however, “within the boundaries of a region **defined by a storm water management regional authority**, based on a jurisdictional, watershed, or other appropriate basis” A regional water board is not a stormwater management regional authority. This is clear from the MS4 regulations, which provide that a “**regional authority may be responsible for submitting a permit application**” under certain conditions. 40 CFR § 122.26(a)(3)(iii)(C). Clearly, a Water Board is not responsible for submitting MS4 permit applications.

U.S. EPA, in the Preamble to the final Phase I MS4 regulations (55 Fed Reg. 47990, November 16, 1990), further illuminated the meaning of the regulatory language. The Preamble indicates that commenters proposed eight different MS4 permitting options:

Option 1 – systems owned or operated by incorporated places augmented by integrated discharges; Option 2 – systems owned or operated by incorporated places augmented with significant other municipal discharges; Option 3 – systems owned or operated by counties; Option 4 – systems owned and operated by States or State departments of transportation; Option 5 – systems within the boundaries of an incorporated place; Option 6 – systems within the boundaries of counties; Option 7 – systems in census designated urbanized areas; and Option 8 – systems defined by watershed boundaries.

55 Fed Reg. at 48039. None of these options encompasses the fact pattern presented by the Draft Permit, which covers multiple counties and multiple watersheds, are not interconnected, do not share common receiving waters and are located in separate census designated urbanized areas.

In explaining the derivation of 40 CFR 122.26(b)(4)(iv), U.S. EPA noted that it was “an outgrowth of comments on all options, especially Option 4 (State owned systems/State highways) and Option 8 (watersheds).” 55 Fed. Reg. at 48040. Thus, the Caltrans MS4 permit (which applies statewide) is authorized under paragraph (iv), since the “storm water management regional authority” defining the region to be covered is Caltrans itself. No such single authority exists for the three-county area proposed to be included in the Draft Permit, which also would encompass multiple watersheds.

Moreover, paragraph (iv) provides that the regional authority must “petition” the U.S. EPA Director to have a single MS4 designated within the boundaries of the region defined by the regional authority. Because California has been delegated NPDES permitting authority, a regional authority would presumably need to petition its Water Board to authorize such a regional permit. Since no such regional authority exists to establish the geographical basis for a

three-county MS4 permit, there is no such entity to “petition” the Water Board to establish a regional permit. This is clear from the Preamble to the Phase I regulations, which indicate that “regional storm water authorities” established by “some States or counties” may “petition the Director [or its state designee] to assume a regional role. 55 Fed. Reg. at 48042. It is clear from the Preamble that it is not the Water Board that has the authority to make such a petition, but rather the “storm water authorities” (i.e., municipalities, districts and Caltrans).

It should be noted that the Bay Area Regional MS4 Permit was a joint Bay Area Water Board and copermittee effort, coordinated by the Bay Area Stormwater Agencies Management Association (“BASMAA”). It is not the case that the Bay Area Water Board imposed this regional MS4 permit. The copermittees, coordinated by BASMAA, themselves determined to develop a regional MS4 permit. Further, all of the copermittees to the Bay Area Regional MS4 Permit discharge to a common receiving water, San Francisco Bay. Also, an Alaska MS4 permit cited in a letter from the Office of Chief Counsel to county counsel for Orange and Riverside Counties was issued to several municipalities and entities within a single “borough,” which is equivalent in Alaska to a county.

Additionally, neither the Riverside County Copermittees nor those in South Orange County have filed ROWDs with the San Diego Water Board, which serve as the application for an NPDES MS4 permit in California. Water Code § 13260. The current Riverside County MS4 permit for the Santa Margarita Region provides that the ROWD is not required to be filed until May 2015, 180 days prior to the November 10, 2015 expiration date of that permit. Order R9-2010-0016, Part II.K.2.c.

This ROWD must include:

- (1) Proposed changes to the Copermittees’ runoff management programs;
- (2) Proposed changes to monitoring programs;
- (3) Justification for proposed changes;
- (4) Name and mailing addresses of the Copermittees;
- (5) Names and titles of primary contacts of the Copermittees;
- (6) Any other information necessary for the reissuance of this Order and
- (7) Any other information required by federal regulations for permit reapplications.

Id. It should be noted that several items of this ROWD are specifically intended to assist in the formulation of a new, SMR-specific MS4 permit, including proposed changes to the runoff management and monitoring programs, as well as justification for such changes, information necessary for “reissuance” of the SMR MS4 permit and information required by the federal regulations for MS4 permit reapplications.

As a simple jurisdictional matter, the Water Board cannot issue a regional MS4 permit to MS4 dischargers that have not applied for it. Moreover, as noted above, the SMR copermittees are entitled to apply for an MS4 permit applicable to their jurisdiction. Further, each individual copermittee has the right to apply for a MS4 permit covering only its discharges, as has the City of Long Beach in the Los Angeles Region.

Finding 3, Finding 15, in Fact Sheet Section VII.A and in Multiple Locations Throughout Draft Permit: In Finding 3, the Fact Sheet and in multiple locations throughout the Draft Permit (which are identified in the redline of the Draft Permit submitted with these comments by the Riverside County Copermittees (“Redline”)), it is stated that the maximum extent practicable (“MEP”) applies only to “storm water” discharges from the MS4. This is not correct.²

In fact, the Clean Water Act does not distinguish between non-stormwater and stormwater in terms of MS4 discharges which must be controlled to the MEP standard. *See* 33 U.S.C. § 1342(p)(3)(B)(iii)(the MS4 permit “shall require controls to reduce the discharge of pollutants to the maximum extent practicable” While the heading of 33 U.S.C. § 1342(p) refers to “Municipal and industrial stormwater discharges,” this is not dispositive, as 33 U.S.C. § 1342(p)(3)(B)(ii), which requires the effective prohibition of “non-stormwater discharges” into the MS4. Thus, the language of this heading does not in fact support the argument that the MEP standard applies only to pollutants in stormwater discharges.

That both non-stormwater and stormwater must be controlled to the MEP standard was made clear by U.S. EPA itself in the preamble to the final Phase I stormwater regulations. In that preamble, U.S. EPA made it clear that “MEP control measures” would be implemented to address not only pollutants in “storm water” but also from “non-storm water discharges.” As the preamble states:

"Permittees are required to develop management programs for four types of pollutant sources which discharge to large and medium municipal storm sewer systems. Discharges from [such systems] are usually expected to be composed primarily of: (1) Runoff from commercial and residential areas; (2) storm water runoff from industrial areas; (3) runoff from construction sites; and (4) *non-storm water discharges*. Part 2 of the permit application has been designed to allow [permittees] the opportunity to propose *MEP control measures for each* of these components of the discharge."

55 Fed. Reg. at 48052 (emphasis supplied).

This language sets forth USEPA’s understanding of the plain language of the CWA: “pollutants” must be controlled to the MEP from any MS4 “discharge,” not merely pollutants in stormwater.

Finding 11: This finding, in relevant part, states that “[h]istoric and current development makes use of natural drainage patterns and features as conveyances for runoff. Rivers, streams and creeks in developed areas used in this manner are part of the Copermittees’ MS4s regardless of whether they are natural, anthropogenic, or partially modified features. In these cases, the rivers, streams and creeks in the developed areas of the Copermittees’ jurisdictions are both an MS4 and receiving water.” This conclusion is legally incorrect.

First, under no circumstance can a natural stream constitute an MS4. The definition of “MS4” in the CWA regulations (a definition found in Attachment C of the Draft Permit) refers to a

² Finding 15 also states, erroneously, that the MEP standard “is explicitly for “Municipal . . . *Stormwater Discharges* (emphasis added)” from the MS4.

“conveyance or system of conveyances” “owned or operated” by a municipality. 40 CFR §122.26(b)(8). In California, natural rivers and streams are not “owned” nor “operated” by the municipality through which they flow. Moreover, a municipality obviously cannot “operate” a natural creek or stream. In further support of the point that a MS4 is an artificial, not natural, watercourse, the types of “conveyances” identified in the regulation (“roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains”) all refer to anthropogenic structures, not natural streams. 40 CFR § 122.26(b)(8).

Second, a “receiving water” cannot also be an MS4, as is plain from the CWA regulations. An MS4 is itself defined as discharging to waters of the United States. 40 C.F.R. §122.26(b)(8). An MS4 cannot, in essence, discharge to itself. Moreover, an “outfall” from an MS4 (the point at which the discharge enters a receiving water) does not, pursuant to 40 C.F.R §122.26 (b)(9), include conveyances connecting “segments of the same stream or other waters of the United States and are used to convey waters of the United States.”

Moreover, U.S. EPA, in the Preamble to the initial version of the MS4 regulations (53 Fed. Reg. 49416 (Dec. 7, 1988)) expressly determined that “streams, wetlands and other water bodies that are waters of the United States are not storm sewers for the purposes of this rule” and that “stream channelization, and stream bed stabilization, which occur in waters of the United States” were not subject to National Pollutant Discharge Elimination System (“NPDES”) permits under Section 402 of the CWA. 53 Fed. Reg. at 49442.

Additionally, the United States Supreme Court recently reversed the Ninth Circuit Court of Appeals and ruled that flows from sections of the Los Angeles and San Gabriel Rivers that are comprised of concrete flood control channels are not a “discharge” under the CWA, confirming that such rivers, even if improved, are “receiving waters” along with any natural portions of those rivers. *Los Angeles County Flood Control Dist. v. Natural Resources Defense Council*, 568 U.S. __ (January 8, 2013) (slip op.).

The above-cited statement in the finding is incorrect and should be stricken, as recommended in the Redline.

Finding 12: This finding states, in relevant part, that “[a]s operators of the MS4s, the Copermittees cannot passively receive and discharge pollutants from third parties. By providing free and open access to an MS4 that conveys discharges to waters of the U.S., the operator essentially accepts responsibility for discharges into the MS4 that it does not prohibit or otherwise control.” This statement is legally incorrect, and ignores the salient point that the “discharger” of a pollutant is primarily responsible for controlling/permitting that discharge, under both the CWA and the Porter-Cologne Act. For example, under the Porter-Cologne Act, any persons discharging or proposing to discharge “waste” into waters of the state must file a report of waste discharge and obtain a waste discharge requirement. Water Code §§ 13260, 13263. The operator of the MS4 into which that water eventually flows is not “essentially accepting” responsibility for the discharge. The responsibility of the MS4 operator is established under the CWA, and that is to effectively prohibit non-stormwater discharges into [the MS4] and to control the discharge of pollutants from the MS4 to the MEP.

Moreover, the statement ignores the fact that in California, downstream property owners (including municipalities owning and operating MS4 facilities) must accept the flow of upstream waters. In fact, for a downstream municipality to block such flow would constitute an inverse condemnation or the creation of a nuisance under California law. *See Arreola v. County of Monterey* (2002) 99 Cal.App.4th 722 (obstruction of flood waters by improperly designed highway constituted inverse condemnation and nuisance).

Finding 28 and Fact Sheet Section VI: In the Finding, it is stated that the Water Board “finds that the requirements in this permit are not more stringent than the minimum federal requirements” and that therefore “a CWC section 13241 analysis is not required.” The Finding further recites that notwithstanding this fact, “the San Diego Water Board has developed an economic analysis of the requirements in this Order.”

For the reasons set forth in the comments of the Riverside County Copermittees, numerous provisions in the Draft Permit are in fact more stringent than the requirements of the CWA and its implementing regulations and therefore require an adequate Water Code § 13241 analysis. Unfortunately, this analysis is not provided in the Fact Sheet.

First, the economic analysis set forth in the Fact Sheet does not meet the requirements of Section 13241, as it does not analyze the six specific factors required to be analyzed under the section. Second, the analysis uses cost data from other sources, only a few of which were from the municipalities proposed to be included under the Draft Permit. These data are also a number of years old; the most recent study referenced in the Fact Sheet, the one done for the State Board by Cal State Sacramento, was dated January 2005 and included decade-old cost data from the City of Encinitas that dated from 2002-2003.

Third, the section of the Fact Sheet discussing the benefits of water quality notes that “there have been no studies for the San Diego Region to quantify the added value that surface waters with healthy water quality can provide.” Thus, the Water Board has no evidence with which to compare the costs and benefits of the programs set forth in the Draft Permit. Moreover, the discussion makes the incorrect assumption that the alternative to the programs in the Draft Permit would be no controls on pollutants in urban runoff. As the Fact Sheet correctly notes, the Draft Permit is the fifth term MS4 permit for the copermittees. The previous four permits all contained increasingly complex and expensive control requirements, both structural and non-structural, designed to improve the quality of MS4 discharges. Thus, an appropriate cost analysis must compare the incremental costs of the programs set forth in the Draft Permit and the incremental benefits attributable to that permit. This has not been done in the Fact Sheet. Finally, the analysis does not recognize that the receiving waters provided economic benefits to residents of the San Diego Region long before issuance of the first MS4 permits in 1990. It is thus illogical to suggest that these pre-existing economic benefits would be lost if the Draft Permit is not adopted.

Finding 29 and Fact Sheet Section VII.F: The finding and the supporting argument in the Fact Sheet represents an attempt by Water Board staff to address whether the requirements of the Draft Permit represent an unfunded state mandate. That attempt, however, is beyond the scope of the Water Board’s powers, since the *only* agency charged by the Legislature with determining

the presence of a state mandate, and whether that mandate is unfunded, is the Commission on State Mandates. Govt. Code § 17552; *Kinlaw v. State of California* (1991) 54 Cal.3d 326, 333. The Water Board has no jurisdiction to make a legal finding or discuss in the Fact Sheet that the Draft Permit, in whole or in part, does not constitute an unfunded state mandate.

Additionally fact sheets are required, under the CWA regulations, to provide the legal authority and reasons for each substantive permit provision (40 CFR § 124.8(a)(4); 40 CFR § 124.56(a)). *See also City of Rancho Cucamonga v. Regional Water Quality Control Board-Santa Ana Region* (2006), 135 Cal.App.4th 1377, 1382 (stating that fact sheets contains “the legal and factual grounds for the Water Board’s recommendation to adopt the . . . permit”). Finding 29 and the discussion in Section VII.F of the Fact Sheet do not relate to any Draft Permit provision, nor provide legal authority or justification for the Draft Permit’s adoption. As such, the finding and Fact Sheet discussion are surplusage and should be deleted.

The Riverside County Copermittees disagree with each of the arguments set forth in the Finding and Fact Sheet as to why the Draft Permit does not constitute an unfunded state mandate. Nevertheless, because the exclusive arena for such disagreements is the Commission on State Mandates, whose jurisdiction does not commence unless and until a test claim is filed before the Commission, the Copermittees need not and will not address those arguments.

Comments on Provisions in Draft Permit

Provision A and Fact Sheet Section VIII.A:

Lack of True Iterative Compliance Process

As set forth in the Redline and in the Comment Letter, the Riverside County Copermittees believe that to effectuate the iterative approach to compliance with water quality standards and other discharge prohibitions in the Draft Permit, the copermittees must be provided with the means to be in compliance. Based on monitoring, exceedances of water quality standards are occurring in the receiving waters subject to the Draft Permit, as set forth in Table G-14 to the latest 2011-2012 monitoring report submitted by the Riverside County Copermittees. Thus, if the copermittees are not provided an iterative means to be in compliance, which was contemplated by State Board’s Order No. 2001-15, the copermittees will be issued an illegal MS4 permit, since it is a permit with which they cannot comply. This violates the intent of Congress in the CWA, which “is presumed not to have intended absurd (impossible) results.” *Hughey v. JMS Development Corp.*, 78 F.3d 1523, 1529 (11th Cir. 1996); *accord, Mississippi River Revival v. City of Minneapolis*, 319 F.3d 1013, 1017-1018 (8th Cir. 2003).

With regard to the iterative process, Water Board staff has indicated numerous times during the workshop process that achievement of water quality standards is expected to take many years. The entire WQIP approach is aimed at the eventual attainment of such standards, as are the TMDLs issued to other copermittees, which have final compliance dates years into the future.

This approach is, however, put into jeopardy by the requirement, as expressed in the Fact Sheet at F-39, that the discharge prohibition and receiving water limitation provisions are

“independently applicable, meaning that compliance with one provision does not provide a ‘safe harbor’ where there is non-compliance with another provision (i.e., compliance with Provision A.4 does not shield a Copermittee who may have violated Provision A.1.a, A.1.c, or A.2.a from an enforcement action.” While the Fact Sheet appropriately notes how this process should work through Provision A.4 (which “essentially requires the Copermittees to implement additional BMPs until MS4 discharges no longer cause or contribute to a violation of water quality standards”) it also states that despite this iterative process, “the San Diego Water Board retains the discretion to take other appropriate enforcement and the iterative process does not shield dischargers from citizen suits under the CWA.” Fact Sheet at F-40.

The consequences of this approach cannot be overemphasized. Despite the copermittees’ good faith undertaking to follow the iterative process outlined in Provision A.4, a Water Board enforcement proceeding or a citizen suit can be brought for violations of water quality standards and, if the citizen plaintiff is successful, a federal judge is empowered to use his/her injunctive powers under Section 505(a) of the CWA to throw out the WQIP, JRMP or other compliance efforts of the copermittees and require other efforts. In such a case, the time and money spent by the copermittees in trying to comply with the Draft Permit, as well as the effort spent by the copermittees and Water Board staff in developing the Draft Permit’s terms, are completely wasted.

Thus, the essential conundrum of Provision A, as presently drafted, is clearly exposed. Even though a copermittee may spend significant sums and undertake significant tasks under its WQIP or JRMP, be conducting expensive monitoring and special studies, and be in *full compliance* with all of the programmatic requirements of the Draft Permit, it would still face either a Water Board enforcement action or a citizen suit under Section 505 of the CWA. And, such a suit would allege exceedances of water quality standards (some of which are hardly capable of laboratory detection, much less control) that the Water Board acknowledges cannot be achieved for years.

Provision A is not, however, required by the CWA, as held by the Ninth Circuit in *Defenders of Wildlife v. Browner*, 191 F.3d 1159 (9th Cir. 1999). The holding in *Browner* is further reflected in State Board Order WQ 2001-15 (which the Fact Sheet acknowledges incorporates an “iterative process”) which states:

[O]ur [receiving water limitation] language, similar to the U.S. EPA’s permit language discussed in the Browner case, **does not require strict compliance with water quality standards.** Our language requires that **storm water management plans be designed to achieve compliance with water quality standards. Compliance is to be achieved over time, through an iterative approach requiring improved BMPs.** As pointed out by the Browner court, there is nothing inconsistent between this approach and the determination that the Clean Water Act does not mandate strict compliance with water quality standards.

Order WQ 2001-15 at 7 (emphasis added). Thus, Provision A is inconsistent with the State Board's own precedential order, which requires the iterative approach effectuated by the suggested Redline changes.³

In further support, it may be noted that the U.S. EPA-drafted MS4 permit for the District of Columbia does not contain the type of language found in Provision A, but rather requires "an iterative and an adaptive management process for pollutant reduction and for achieving applicable water quality standard and/or total maximum daily load (TMDL) compliance." DC MS4 Permit Fact Sheet, page 5 (attached as Exhibit A).

Also, despite the assertion in the Fact Sheet that the copermittees are seeking a "safe harbor" from liability, this is incorrect. Every provision of an MS4 permit is subject to enforcement; given the complexity of the Draft Permit, the failure by a copermittee to comply with any provision could lead to such enforcement.

As noted above, MS4 discharges may not be achieving compliance with strict water quality standards, as recognized by the Issue Paper released by State Board staff in preparation for a November 20, 2012 workshop on receiving water limitation issues raised by *NRDC v. County of Los Angeles*. That Issue Paper stated that as "the storm water management programs of municipalities have matured, **an increasing body of monitoring data indicates that water quality standards are in fact not being met by many MS4s.**" (State Board Issue Paper, Page 2, emphasis supplied) (*see* Exhibit B.)

Perhaps most importantly, requiring strict and immediate compliance with discharge prohibition and receiving water limitations inhibits, not supports, the philosophy of the Draft Permit, which is to encourage the copermittees to focus on the most significant problems in their watersheds and to prioritize their resources to address those problems. Provision A, by contrast, discourages innovative approaches or prioritization, since all pollutants exceeding water quality standards create liability. Moreover, as discussed above, in the event of a citizen suit being brought such as that in the *NRDC* case, a federal judge could award injunctive relief to a successful plaintiff that could completely ignore or supplant the WQIP and other permit terms.

For additional discussion of receiving water limitations issues, please see Exhibit C, a letter submitted by the District to the State Board in connection with the recent workshop held by the State Board on receiving water limitations language. The Riverside County Copermittees hereby reference and incorporate this Exhibit into these comments.

The Riverside County Copermittees support a true iterative process that requires refinement and amendment of the WQIP and associated BMPs when receiving water limitation violations are recorded. That is the essence of the iterative process; the identification of problems and the development of BMPs to attempt to address those problems.

³ While the Fact Sheet cites as authority *Natural Resources Defense Council v. County of Los Angeles*, discussed above, the Ninth Circuit was simply responding to language in the former Los Angeles County MS4 permit, and did not determine that such non-iterative language was required by the CWA.

The Redline proposes a means to achieve compliance using the WQIPs, which are intended to bring the copermittees into compliance with the discharge prohibition and receiving water limitation provisions of the Draft Permit over time. The Redline links compliance with Provisions A.1, A.2 and A.3 to A.4, which indicates that compliance is obtained through the preparation and updating of the WQIPs.

It must be noted, however, that the Riverside County Copermittees do not agree with the approach suggested by others, that any WQIP-based compliance approach be necessarily accompanied by a “Reasonable Assurance Analysis.” Such an analysis could be extremely complex, expensive and time intensive to develop. Generally, such analyses are developed in the preparation of TMDLs and take a number of years to develop and refine. Given that the Santa Margarita Watershed has no adopted TMDLs, there are no comprehensive pollutant transport or BMP models available for the suite of constituents that might be considered for prioritization within a WQIP for that watershed. In the context of a TMDL, such models would be developed by the combined resources of the Water Board, stakeholders and dischargers. Requiring such an exercise to be undertaken solely with the public resources of the residents of the SMR is beyond the Copermittees’ financial ability and would shift responsibility for development of TMDLs from the Water Board to the Copermittees.

Discussion in Fact Sheet

The Fact Sheet discussion also contains a number of legal and factual errors. First, the statement on page F-34 that non-stormwater discharges from the MS4 are subject to NPDES permitting requirements is unsupported by the plain language of the CWA, which (as noted above) applies the MEP standard to *all* discharges of pollutants from the MS4, not just those in stormwater. Also, such discharges are not subject to separate requirements under the NPDES program, as suggested on F-34, and non-storm water discharges are not the same, legally, as “illicit discharges.” Please see discussion below.

Similarly, the Fact Sheet’s conclusion that “Regional Water Boards are not limited by the iterative MEP approach to storm water regulation in crafting appropriate regulations for non-storm water discharges” is incorrect. The Fact Sheet correctly states that MEP has not been defined in the CWA or by U.S. EPA in the CWA regulations. However, the Fact Sheet incorrectly concludes that MEP is “ultimately defined” by the Water Boards or the State Board. What constitutes “MEP” is a question of federal law under the CWA, not a matter for definition by agencies which merely have been delegated the authority to enforce the CWA in California. The only source for such a finding is a memorandum from a State Board attorney, not case authority.

Moreover, Provisions B-E of the Draft Permit, far from establishing a “minimum framework” for the copermittees to achieve the MEP standard, sets forth in many cases requirements that far exceed the plain requirements of the CWA, the implementing regulations and in some cases even state law, or which require the copermittees to undertake steps that are not “practicable.” These requirements are identified in the comments of the Riverside County Copermittees. In such respects, those requirements do not represent a “minimum framework” for MEP.

Other Issues

The Riverside County Copermittees also object to the provision in A.1.a and other portions of the Draft Permit that prohibit certain discharges into “waters of the state.” The CWA regulates discharges into waters of the United States, which are surface waters. Expanding the prohibition to cover waters of the state expands the scope of the Draft Permit to protect groundwater, as a matter of state law. It should be noted that the recent Los Angeles County MS4 Permit appropriately applies this prohibition to waters of the United States.

Provision B.5: As noted in the Comment Letter, the CWA requires that illegal discharges into the MS4 be addressed by a program of steps taken to address such discharges. The Redline emphasizes that this program be guided by WQIP priorities, which is consistent with the overall intent of the Draft Program.

Provision E.2.a and E.2.a.(7): These provisions require the Copermittees to, as a part of their Illicit Discharge Detection and Elimination (IDDE) program, address all non-stormwater discharges as “illicit discharges,” thus requiring the copermittees to “reduce or eliminate non-stormwater discharges” whether or not the discharges have been identified as “illicit.”

The Fact Sheet asserts that “Provision E.2.a.(7) is consistent with the requirements of the CWA section 402(p)(3)(B)(ii) and 40CFR 122.26(d)(1)(v)(B). That assertion is not correct. Section 402(p)(3)(B)(ii) of the CWA states that MS4 permits “shall include a requirement to *effectively prohibit* non-stormwater discharges into the storm sewers” (emphasis supplied). The CWA regulations include two provisions designed to begin implementation of the “effective prohibition.” The first provision requires MS4 permittees to perform a screening analysis, intended to provide sufficient information to develop priorities for a program to detect and remove illicit discharges. 40 CFR 122.26(d)(1)(iv)(D). The second requires MS4 permittees to develop a recommended site-specific management plan to detect and remove illicit discharges (or ensure they are covered by an NPDES permit) and to control improper disposal to MS4s. 40 CFR 122.26(d)(1)(iv)(D) and 122.26(d)(2)(B). The MS4 permittees are required to identify the non-stormwater discharge as an illicit discharge prior to having an obligation to effectively prohibit it. There is not otherwise a presumption to reduce or eliminate it.

40 CFR 122.26(d)(1)(v)(B), cited in the Fact Sheet, requires “[a] description of the existing program to identify illicit connections to the municipal storm sewer system. The description should include inspection procedures and methods for detecting and preventing illicit discharges, and describe areas where this program has been implemented.”

The provision and rationale within the Fact Sheet blur the distinction between the copermittees’ need to “effectively” prohibit non-stormwater discharges and to detect and eliminate illicit discharges.

- The requirement is “effectively prohibit” non-stormwater discharges, not “reduce or eliminate” non-stormwater discharges.
- Although copermittees are required to have a program to prevent illicit discharges to the MS4, non-stormwater discharges should only be addressed as illicit discharges where

such discharges are identified as sources of pollutants that may cause or contribute to an exceedance of a water quality objective.

- The IDDE program is established to detect and eliminate “illicit discharges”, not non-stormwater discharges in general.

Please see the Redline for modifications to Provision E.2 addressing these issues.

Provision E.2.a.(3): In the Redline, the Riverside County Copermittees request that categories of irrigation runoff discharges (landscape irrigation, irrigation water and lawn watering) be considered as conditionally exempt discharges (not subject to treatment as illicit discharges).

The rationale for not including irrigation runoff discharges lacks a legal and factual basis. As noted in the Comment Letter, the only factual basis for this provision with respect to the Riverside County Copermittees is discussion in a public information informational brochure, which was itself based on a similar document from Orange County. Fact Sheet F-76. Despite assertions to the contrary in the Fact Sheet, this brochure does not represent a determination by the Riverside County Copermittees that irrigation runoff is a category of non-stormwater discharge that must be effectively prohibited. The other evidence in support of prohibiting the conditional exemption for irrigation runoff is entirely from different areas of the region, with different urban development patterns, lithology and hydrology. No specific determination has been made by the Copermittees (or the Water Board) that irrigation runoff in the Santa Margarita Region has actually been shown to be significant source of pollutants to receiving waters in the SMR.

EPA, in the preamble to the federal MS4 regulations, required that a *permittee* must make a finding that the “irrigation water” discharges must be a “source of pollutants to waters of the United States” 55 Fed. Reg. 48037. Moreover, such discharges must represent a “significant” source of pollutants to waters of the United States “under certain conditions.” U.S. EPA, *Guidance Manual for the Preparation of Part 2 of the NPDES Permit Application for Discharges from Municipal Separate Storm Sewer Systems*, November 1992 (“EPA Part 2 Guidance Manual”), at p. 6-33. These conditions require a focus not on an entire category of discharges, but rather a discharger-by-discharger examination.

In the MS4 regulatory preamble, EPA stated that “[i]n general, municipalities will not be held responsible for prohibited some specific components of discharges or flows listed below through their [MS4], even though such components may be considered non-storm water discharges, unless such discharges *are specifically identified on a case-by-case basis as needing to be addressed.*” 55 Fed. Reg. 47995 (emphasis supplied). In the Guidance Manual, EPA states:

If an applicant knows . . . that landscape irrigation water from a *particular site* flows through and picks up pesticides or *excess* nutrients from fertilizer applications, there may be a reasonable potential for a storm water discharge to result in a water quality impact. In such an event, the applicant should contact the NPDES permitting authority to request that the authority order *the discharger* . . . to obtain a separate NPDES permit (or in this case, the discharge could be controlled through the storm water management program of the MS4).

EPA Part 2 Guidance Manual, p. 6-33 (emphasis added). Read in this context of this language, the Water Board has no power greater than a municipality in terms of its ability to identify non-stormwater discharges as “illicit” and thus required to be regulated, and must identify specific discharges, and not entire categories of discharges. *See* 55 Fed. Reg. 48037. This has not been done in the Fact Sheet.

Provision E.3(c): This provision requires the Copermittees to compel development projects that may not result in a hydromodification impact to the applicable receiving waters, to implement on-site or “alternative compliance” hydromodification mitigation measures and to use using “pre-development (naturally occurring)” runoff reference condition as applied to sites that are, in fact, developed.

The Riverside County Copermittees are concerned that implementing these requirements would subject the Copermittees to liability under the takings clauses of the U.S. and California Constitutions as well as under the Mitigation Fee Act because of the questionable nexus between such a project’s lack of actual hydromodification impacts upon the receiving waters, and the hydromodification management measures required in the Draft Permit.

When imposing a condition on a development permit, a local government is required under the federal and state constitutions to establish that the condition bears a reasonable relationship to the impacts of the development project. This rule applies even to legislatively enacted requirements and impact fees or exactions.⁴ Moreover, fees imposed on a discretionary ad hoc basis are subject to heightened scrutiny under a two-part test. First, local governments must show that there is a substantial relationship between the burden created by the impact of development and any fee or exaction.⁵ Second, a development project’s impacts must bear a “rough proportionality” to any development fee or exaction.⁶ Under California law, the *Nollan/Dolan* heightened scrutiny test also applies to in-lieu fees.⁷

The Legislature has memorialized these requirements in the Mitigation Fee Act, which establishes procedures that local governments must follow to impose impact fees.⁸ Irrespective of whether the hydromodification management requirements are implemented by legislative act or on an ad hoc basis, the copermittees’ attempt to enforce them as proposed in the Draft Permit would likely result in claims by developers and property owners alleging unconstitutional takings of private property and violations of the Mitigation Fee Act. This is because a developer could argue that limiting hydromodification impacts of already developed property to its “naturally occurring” state, or requiring hydromodification mitigation measures for impacts not imposed by the project, would not have a legally sufficient nexus to the impact of the development project.

In addition, the Copermittees wish to bring the Water Board’s attention to a recent case, *Virginia Dept. of Transportation v. United States Environmental Protection Agency*, Civ. Action No.

⁴ *Building Indus. Ass’n v. City of Patterson* (2009)171 Cal. App. 4th 886, 898.

⁵ *Nollan v. California Coastal Comm’n*, 483 U.S. 825, 837 (1987).

⁶ *Dolan v. City of Tigard*, 512 U.S. 374, 391 (1994).

⁷ *Ehrlich v. City of Culver City* (1996) 12 Cal. 4th 854, 876.

⁸ Cal. Gov’t Code §§ 66000-66025.

1:12-CV-775 (E.D. Va. January 3, 2013) (slip op.), which is attached for the Water Board's convenience as Exhibit D. In this case, a federal district judge found that the CWA did not authorize U.S. EPA to regulate stormwater itself as a pollutant. The impact of this case is not known at this time, as it will probably be appealed to the Fourth Circuit Court of Appeals. Still, any approach to hydromodification which focuses on flows *per se*, as opposed to pollutants, may not withstand legal scrutiny.

Provision E.3.c.(3)(c)(i): This provision requires the entire alternative compliance in-lieu fee to be transferred to the copermittee or an escrow account prior to construction of a Priority Development Project (PDP). This provision is problematic, as development fees (which would include the in-lieu fees) are collected at the time of building permit issuance. In large-scale projects, permits may be issued (and development fees collected) in phases. Further, for master-planned developments, fees are generally negotiated through a development agreement to be collected based on certain development milestones. Therefore, collecting and holding the entire in-lieu fee prior to construction interferes with the development practice and may violate the Mitigation Fee Act and local development ordinances. The Redline requests that in-lieu fees be collected in accordance with state and local law.

Provision E.5: In addition to other comments on this provision and others in the Draft Permit relating to retrofitting, any requirements in Draft Permit relating to the retrofitting of engineered channels and other structures employed for flood control purposes must be consistent with the judgment of the flood control districts, to which the Legislature has assigned sole authority for the protection of the lives and property of their citizens from flooding. (Please see Comment Letter and proposed new findings in Redline for further discussion). Due to the urbanization of the counties over the past 150 years, as well as the particular topography and weather conditions found in Southern California, there is a great risk of flooding and hence the need for flood control structures and channels. The flood control districts have both the expertise and the sole legal authority to determine whether retrofitting of flood control structures can be accomplished in light of their statutory obligations, and that expertise and authority must be recognized in the Draft Permit.

Provision E.8: As noted in the Redline, the first requirement under Fiscal Analysis, that each "Copermittee must secure the resources necessary to meet all the requirements of this Order" has been deleted. This requirement is not found in the CWA regulations, which require only the conduct of a fiscal analysis. Moreover, this requirement intrudes on the home rule power of cities and counties by requiring, in essence, that municipal budgets must reflect the priority of compliance with the Order over any competing obligation, including police, fire protection and public health. A key issue in complying with stormwater and MS4 obligations is the ability of municipalities to afford the increasing costs associated with those obligations. In California, of course, the ability to raise taxes to pay for such obligations has been severely curtailed through several voter-approved propositions.

The Riverside County Copermittees request that Provision E.8.a be deleted.

EXHIBIT A

NPDES Permit No. DC0000221

**AUTHORIZATION TO DISCHARGE UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
MUNICIPAL SEPARATE STORM SEWER SYSTEM PERMIT**

In compliance with the provisions of the Clean Water Act, 33 U.S.C. §§ 1251 *et seq.*

Government of the District of Columbia
The John A. Wilson Building
1350 Pennsylvania Avenue, N.W.
Washington, D.C. 20004

is authorized to discharge from all portions of the municipal separate storm sewer system owned and operated by the District of Columbia to receiving waters named:

Potomac River, Anacostia River, Rock Creek and stream segments
tributary to each such water body

in accordance with the Stormwater Management Program(s) dated February 19, 2009,
subsequent updates, and related reports, strategies, effluent limitations, monitoring requirements
and other conditions set forth in Parts I through IX herein.

The effective issuance date of this permit is: October 7, 2011.

This permit and the authorization to discharge shall expire at midnight, on: October 7, 2016.

Signed this 30th day of September, 2011.



Jon M. Capacasa, Director
Water Protection Division
U.S. Environmental Protection Agency
Region III

1. **DISCHARGES AUTHORIZED UNDER THIS PERMIT**

1.1 Permit Area

This permit covers all areas within the jurisdictional boundary of the District of Columbia served by, or otherwise contributing to discharges from, the Municipal Separate Storm Sewer System (MS4) owned or operated by the District of Columbia. This permit also covers all areas served by or contributing to discharges from MS4s owned or operated by other entities within the jurisdictional boundaries of the District of Columbia unless those areas have separate NPDES MS4 permit coverage or are specifically excluded herein from authorization under the District's stormwater program. Hereinafter these areas collectively are referred to as "MS4 Permit Area".

1.2 Authorized Discharges

This permit authorizes all stormwater point source discharges to waters of the United States from the District of Columbia's MS4 that comply with the requirements of this permit. This permit also authorizes the discharge of stormwater commingled with flows contributed by process wastewater, non-process wastewater, or stormwater associated with industrial activity provided such discharges are authorized under separate NPDES permits.

This permit authorizes the following non-stormwater discharges to the MS4 when appropriate stormwater activities and controls required through this permit have been applied and which are: (1) discharges resulting from clear water flows, roof drainage, dechlorinated water line flushing, landscape irrigation, ornamental fountains, diverted stream flows, rising ground waters, uncontaminated ground water infiltration to separate storm sewers, uncontaminated pumped ground water, discharges from potable water sources, foundation drains, air conditioning condensation, irrigation waters, springs, footing drains, lawn watering, individual resident car washing, flows from riparian habitats and wetlands, dechlorinated swimming pool discharges, wash water, fire fighting activities, and similar types of activities; and (2) which are managed so that water quality is not further impaired and that the requirements of the federal Clean Water Act, 33 U.S.C. §§ 1251 *et seq.*, and EPA regulations are met.

1.3 Limitations to Coverage

1.3.1 Non-stormwater Discharges

The permittee, as defined herein, shall effectively prohibit non-stormwater discharges into the MS4, except to the extent such discharges are regulated with an NPDES permit.

1.3.2 Waivers and Exemptions

This permit does not authorize the discharge of any pollutant from the MS4 which arises from or is based on any existing waivers and exemptions that may otherwise apply and are not consistent with the Federal Clean Water Act and other pertinent guidance, policies, and regulations. This narrative prohibition on the applicability of such waivers and exemptions extends to any activity that would otherwise be authorized under District law, regulations or

ordinance but which impedes the reduction or control of pollutants through the use of stormwater control measures and/or prevents compliance with the narrative /numeric effluent limits of this permit. Any such discharge not otherwise authorized may constitute a violation of this permit.

1.4 Discharge Limitations

The permittee must manage, implement and enforce a stormwater management program (SWMP) in accordance with the Clean Water Act and corresponding stormwater NPDES regulations, 40 C.F.R. Part 122, to meet the following requirements:

1.4.1. Effectively prohibit pollutants in stormwater discharges or other unauthorized discharges into the MS4 as necessary to comply with existing District of Columbia Water Quality Standards (DCWQS);

1.4.2. Attain applicable wasteload allocations (WLAs) for each established or approved Total Maximum Daily Load (TMDL) for each receiving water body, consistent with 33 U.S.C. § 1342(p)(3)(B)(iii); 40 C.F.R. § 122.44(k)(2) and (3); and

1.4.3. Comply with all other provisions and requirements contained in this permit, and in plans and schedules developed in fulfillment of this permit.

Compliance with the performance standards and provisions contained in Parts 2 through 8 of this permit shall constitute adequate progress toward compliance with DCWQS and WLAs for this permit term.

2. LEGAL AUTHORITY, RESOURCES AND STORMWATER PROGRAM ADMINISTRATION

2.1 Legal Authority

2.1.1 The permittee shall use its existing legal authority to control discharges to and from the Municipal Separate Storm Sewer System in order to prevent or reduce the discharge of pollutants to achieve water quality objectives, including but not limited to applicable water quality standards. To the extent deficiencies can be addressed through regulation or other Executive Branch action, the permittee shall remedy such deficiencies within 120 days. Deficiencies that can only be addressed through legislative action shall be remedied within 2 years of the effective date of this permit, except where otherwise stipulated, in accordance with the District's legislative process. Any changes to or deficiencies in the legal authority shall be explained in each Annual Report.

2.1.2 No later than 18 months following the effective date of this permit, the District shall update and implement Chapter 5 of Title 21 of District of Columbia Municipal Regulations (Water Quality and Pollution) ("updated DC Stormwater Regulations"), to address the control of stormwater throughout the MS4 Permit Area. Such regulations shall be consistent with this

FACT SHEET

National Pollutant Discharge Elimination System (NPDES)
Municipal Separate Storm Sewer System (MS4)
Permit No. DC0000221 (Government of the District of Columbia)

NPDES PERMIT NUMBER: DC0000221 (Reissuance)

FACILITY NAME AND MAILING ADDRESS:

Government of the District of Columbia
The John A. Wilson Building
1350 Pennsylvania Avenue, N.W.
Washington, D.C. 20004

MS4 ADMINISTRATOR NAME AND MAILING ADDRESS:

Director, District Department of the Environment
1200 First Street, N.E., 6th Floor
Washington, D.C. 20002

FACILITY LOCATION:

District of Columbia's Municipal Separate Storm Sewer System (MS4)

RECEIVING WATERS:

Potomac River, Anacostia River, Rock Creek, and Stream Segments Tributary
To Each Such Water Body

INTRODUCTION:

Today's action finalizes reissuance of the District of Columbia Municipal Separate Storm Sewer System (MS4) Permit. In the Final Permit EPA has continued to integrate the adaptive management approach with enhanced control measures to address the complex issues associated with urban stormwater runoff within the corporate boundaries of the District of Columbia, where stormwater discharges via the Municipal Separate Storm Sewer System (MS4).

Since the United States Environmental Protection Agency, Region III (EPA) issued the District of Columbia (the District) its first MS4 Permit in 2000, the Agency has responded to a number of legal challenges involving both that Permit (as well as amendments thereto) and the second-round MS4 Permit issued in 2004. For the better part of ten years, the Agency has worked with various parties in the litigation, including the District and two non-governmental organizations, Defenders of Wildlife and Friends of the Earth, to address the concerns of the various parties. The Agency has engaged in both litigation and negotiation, including formal

mediation.¹ These activities ultimately led to an enhanced stormwater management strategy in the District, consisting of measurable outputs for addressing the issues raised during the litigation and mediation process.

FACILITY BACKGROUND AND DESCRIPTION:

The Government of the District of Columbia owns and operates its own MS4, which discharges stormwater from various outfall locations throughout the District into its waterways.²

On April 21, 2010 EPA public noticed the Draft Permit. The Draft Fact Sheet published with that Draft Permit contains more extensive permit background information, and the reader is referred to that document for the history of the District of Columbia MS4 permit.

The public comment period closed on June 4, 2010. EPA received comments from 21 individual commenters and an additional 53 form letters. The Draft Permit, Draft Fact Sheet, and comments received on those documents are all available at: http://www.epa.gov/reg3wapd/npdes/draft_permits.html. The Final Permit reflects many of the comments received. EPA is simultaneously releasing a responsiveness summary responding to these comments.

ACTION TO BE TAKEN:

EPA is today reissuing the District of Columbia NPDES MS4 Permit. The Final Permit replaces the 2004 Permit, which expired on August 18, 2009 and has been administratively extended since that time. The Final Permit incorporates concepts and approaches developed from studies and pilot projects that were planned and implemented by the District under the 2000 and 2004 MS4 permits and modifying Letters of Agreement, and implements Total Maximum Daily Loads (TMDLs) that have been finalized since the prior permit was issued, including the Chesapeake Bay TMDL. A number of applicable measurable performance standards have been incorporated into the Final Permit. These and other changes between the 2004 Permit and today's Final Permit are reflected in a Comparison Document that is part of today's Permit issuance.

WATER QUALITY IN DISTRICT RECEIVING WATERS:

The District's *2008 Integrated Report to the Environmental Protection Agency and U.S. Congress Pursuant to Sections 305(b) and 303(d) Clean Water Act*³ documents the serious water

¹ A procedural history of Permit appeals can be viewed at the EPA Environmental Appeals Board web: http://yosemite.epa.gov/oa/EAB_Web_Docket.nsf/77355bee1a56a5aa8525711400542d23/b5e5b68e89edabe98525714f00731e6f?OpenDocument&Highlight=2.municipal.

² Portions of the District are served by a combined sanitary and storm sewer system. The discharges from the combined sewer system are not subject to the MS4 permit, but are covered under NPDES Permit No. xxxx issued to the District of Columbia Water and Sewer Authority.

³ District Department of the Environment, *The District of Columbia Water Quality Assessment, 2008 Integrated Report to the Environmental Protection Agency and U.S. Congress Pursuant to Sections 305(b) and 303(d) Clean Water Act* (hereinafter "2008 Integrated Report").

quality impairments in the surface waters in and around the District. A number of the relevant designated uses are not being met, *e.g.*, aquatic life, fish consumption, and full body contact, and there are a number of specific pollutants of concern that have been identified (for additional discussion on relevant TMDLs *see* Section 4.10 of this Final Fact Sheet).

Commenters on the Draft Permit expressed some frustration over very slow progress or even lack of progress after a decade of implementation of the MS4 program and even longer for other water quality programs. EPA appreciates this concern. Although the District's receiving waters are affected by a range of discharge sources, discharges from the MS4 are a significant contributor of pollutants and cause of stream degradation. EPA also recognizes, however, that stormwater management efforts that achieve a reversal of the ongoing degradation of water quality caused by urban stormwater discharges entail a long term, multi-faceted approach.

Consistent with the federal stormwater regulations for characterizing discharges from the MS4 (40 C.F.R. §122.26(d)(2)(iii)), the first two permit terms for the District's MS4 program required end-of-pipe monitoring to determine the type and severity of pollutants discharging via the system. The monitoring program was not designed to evaluate receiving water quality *per se*, therefore detection of trends or patterns was not reasonably possible. Today's Final Permit includes requirements for a Revised Monitoring Program, and one of the objectives for the program is to use a suite of approaches and indicators to evaluate and track water quality over the long-term (*see* discussion of Section 5.1 in this Final Fact Sheet).

There have been identified improvements in some areas. For example the *2008 Integrated Report* noted improvements in the diversity of submerged aquatic vegetation in the Potomac River, as well as improvements in fish species richness in Rock Creek. Biota metrics are often the best indicators of the integrity of any aquatic system.

EPA also notes that there are a variety of indirect measures indicative of improvement. The federal stormwater regulations foresaw the difficulty, especially in the near-term, of detecting measurable improvement in receiving waters, and relied instead on indirect measures, such as estimates of pollutant load reductions (40 C.F.R. §122.26(d)(2)(v)). The District documents these types of indirect measures in its annual reports, *e.g.*, tons of solids collected from catch basin clean-outs, amount of household hazardous waste collected, number of trees planted, square footage of green roofs installed, and many other measures of success.⁴

EPA believes that documenting trends in water quality, whether improvements, no change, or even further degradation, is an important element of a municipal water quality program. Today's Final Permit recognizes this principle, both in the types of robust measures required as well as the transition to new monitoring paradigms. EPA encourages all interested parties to provide the District with input during the development of these program elements.

THIS FACT SHEET:

(http://ddoe.dc.gov/ddoe/frames.asp?doc=/ddoe/lib/ddoe/information2/water.reg.leg/DC_IR_2008_Revised_9-9-2008.pdf)

⁴ District MS4 Annual Reports can be found at: <http://ddoe.dc.gov/ddoe/cwp/view.a.1209.q.495855.asp>

This Final Fact Sheet is organized to correspond with the chronological organization and numbering in today's Final Permit. Where descriptions or discussions may be relevant to more than one element of the Final Permit the reader will be referred to the relevant section(s).

To keep today's Final Fact Sheet of readable length, many of the elements included in the fact sheet published with the Draft Permit (Draft Fact Sheet) on April 21, 2010 have not been repeated, but are referenced. Readers are referred to the Draft Fact Sheet published with the Draft Permit for additional discussion on provisions that have been finalized as proposed.⁵ The Final Fact Sheet does discuss significant changes since the 2004 Permit (even if discussed in the Draft Fact Sheet). The Final Fact Sheet also contains additional explanation of the Final Permit where commenters requested additional clarification. In addition, this Final Fact Sheet explains modifications to the Final Permit where provisions were changed in response to comments.

In many cases EPA made a number of very simple modifications to the Final Permit, *e.g.*, a word, phrase, or minor reorganization, simply for purposes of clarification. These modifications were not intended to change the substance of the permit provisions, only to clarify them. Most of those types of edits are not discussed in this Final Fact Sheet, but EPA has provided a Comparison Document of the Draft and Final Permits for readers who would like that level of detail.

Many commenters noted that the Draft Permit was not logically organized. EPA agrees. The major reorganization principles include:

- 1) There is a new Section 3, Stormwater Management Program (SWMP) Plan consolidating the various plans, strategies and other documents developed in fulfillment of permit requirements.
- 2) All implementation measures, *i.e.*, those stipulating management measures and implementation policies, are included in Section 4 of today's Final Permit. This includes "Source Identification" elements (Section 3 in the Draft Permit) and "Other Applicable Provisions" elements (Section 8 in the Draft Permit), which included TMDL requirements.
- 3) All monitoring requirements are consolidated in Section 5 of the Final Permit.
- 4) All reporting requirements are consolidated in Section 6 of the Final Permit.

EPA also refers readers to the Responsiveness Summary released today along with the Final Permit and Final Fact Sheet, for responses to comments and questions received on the Draft Permit. That document contains additional detailed explanations of the rationale for changes made to the Draft Permit in the Final Permit.

Finally, EPA made significant effort to avoid appending or incorporating by reference other documents containing permit requirements into the Final Permit. In the interest of clarity

⁵ The Permit and Fact Sheet proposed on April 21, 2010 can be viewed at:
http://www.epa.gov/reg3wapd/npdes/draft_permits.html

and transparency EPA, to the extent possible, has included all requirements directly in the permit. Thus, EPA reviewed a variety of documents with relevant implementation measures, *e.g.*, TMDL Implementation Plans and the 2008 Modified Letter of Agreement to the 2004 permit⁶, and translated elements of those plans and strategies into specific permit requirements that are now contained in the Final Permit. This Fact Sheet provides an explanation of the sources of provisions that are significant and are a direct result of one of those strategies.

1. DISCHARGES AUTHORIZED UNDER THIS PERMIT

(1.2 Authorized Discharges): The Final Permit authorizes certain non-stormwater discharges, including discharges from water line flushing. One commenter noted that many of these discharges, especially from potable water systems, contain concentrations of chlorine that may exceed water quality standards. EPA agrees, and has therefore clarified that dechlorinated water line flushing is authorized to be discharged under the Final Permit.

(1.4 Discharge Limitations): Comments on the language in Part 1.4 varied widely. Some commenters did not believe it was reasonable to require discharges to meet water quality standards. Other commenters believed this to be an unambiguous requirement of the Clean Water Act.

Today's Final Permit is premised upon EPA's longstanding view that the MS4 NPDES permit program is both an iterative and an adaptive management process for pollutant reduction and for achieving applicable water quality standard and/or total maximum daily load (TMDL) compliance. *See generally*, "National Pollutant Discharge Elimination System Permit Application Regulations for Stormwater Discharges," 55 F.R. 47990 (Nov. 16, 1990).

EPA is aware that many permittees, especially those in highly urbanized areas such as the District, likely will be unable to attain all applicable water quality standards within one or more MS4 permit cycles. Rather the attainment of applicable water quality standards as an incremental process is authorized under section 402(p)(3)(B)(iii) of the Clean Water Act, 33 U.S.C. § 1342(p)(3)(B)(iii), which requires an MS4 permit "to reduce the discharge of pollutants to the maximum extent practicable" (MEP) "and such other provisions" deemed appropriate to control pollutants in municipal stormwater discharges. To be clear, the goal of EPA's stormwater program is attainment of applicable water quality standards, but Congress expected that many municipal stormwater dischargers would need several permit cycles to achieve that goal.

Specifically, the Agency expects that attainment of applicable water quality standards in waters to which the District's MS4 discharges, requires staged implementation and increasingly more stringent requirements over several permitting cycles. During each cycle, EPA will continue to review deliverables from the District to ensure that its activities constitute sufficient progress toward standards attainment. With each permit reissuance EPA will continue to increase

⁶ District Department of the Environment, *Modification to the Letter of Agreement dated November 27, 2007 for the NPDES Municipal Separate Storm Sewer (MS4) Permit DC0000222 (2008)*
<http://www.epa.gov/reg3wapd/npdes/pdf/DCMS4/Letter.PDF>

stringency until such time as standards are met in all receiving waters. Therefore today's Final Permit is clear that attainment of applicable water quality standards and consistency with the assumptions and requirements of any applicable WLA are requirements of the Permit, but, given the iterative nature of this requirement under CWA Section 402(p)(3)(B)(iii), the Final Permit is also clear that "compliance with all performance standards and provisions contained in the Final Permit shall constitute adequate progress toward compliance with DCWQS and WLAs for this permit term" (Section 1.4).

EPA believes that permitting authorities have the obligation to write permits with clear and enforceable provisions and thus the determination of what is the "maximum extent practicable" under a permit is one that must be made by the permitting authority and translated into provisions that are understandable and measurable. In this Final Permit EPA has carefully evaluated the maturity of the District stormwater program and the water quality status of the receiving waters, including TMDL wasteload allocations. In determining whether certain measures, actions and performance standards are practicable, EPA has also looked at other programs and measures around the country for feasibility of implementation. Therefore today's Final Permit does not qualify any provision with MEP thus leaving this determination to the discretion of the District. Instead each provision has already been determined to be the maximum extent practicable for this permit term for this discharger.

EPA modified the language in the Final Permit to provide clarity on the expectations consistent with the preceding explanation. Specifically Section 1.4.2 of the Final Permit requires that discharges 'attain' applicable wasteload allocations rather than just 'be consistent' with them, since the latter term is somewhat ambiguous.

In addition, the general discharge limitation 'no increase in pollutant loadings from discharges from the MS4 may occur to receiving waters' was removed because of the difficulty in measuring, demonstrating and enforcing this provision. Instead, consistent with EPA's belief that the Final Permit must include all of the enforceable requirements that would achieve this principle, the following discharge limitation is substituted: "comply with all other provisions and requirements contained in this permit, and in plans and schedules developed in fulfillment of this permit."

In addition, EPA made the following modifications: "Compliance with the performance standards and provisions contained in Parts 2 through 8 of this permit shall constitute adequate progress towards compliance with DCWQS and WLAs for this permit term" (*underlined text added*) (Section 1.4 of the Final Permit). EPA eliminated circularity with the addition of "Parts 2 through 8", clarifying that this requirement does not circle back to include the statements in 1.4.1 and 1.4.2, but rather interprets them. Also, although WLAs are a mechanism for attainment of water quality standards, EPA added the specific language "and WLAs" to make this concept explicit rather than just implicit. In addition this revised language emphasizes that the specific measures contained in the Final Permit, while appropriate for this permit term, will not necessarily constitute full compliance in subsequent permit terms. It is the expectation that with each permit reissuance, additional or enhanced requirements will be included with the objective

of ensuring that MS4 discharges do not cause or contribute to an exceedance of applicable water quality standards, including attainment of relevant WLAs.

2. LEGAL AUTHORITY, RESOURCES, AND STORMWATER PROGRAM ADMINISTRATION

(2.1 Legal Authority): Several commenters pointed out that there were a number of requirements in the Draft Permit without clear compliance schedules or deadlines, or with deadlines that did not correspond well to others in the permit. In the Final Permit, EPA has made several revisions to address these comments. For example, EPA changed a requirement that deficiencies in legal authority must be remedied “as soon as possible” to a 120-day requirement for deficiencies that can be addressed through regulation, and two years for deficiencies that require legislative action (Section 2.1.1). Also, EPA increased the compliance schedule for updating the District’s stormwater regulation from twelve months to eighteen months, *id.*, so that this action could be adequately coordinated with the development of the District’s new offsite mitigation/payment-in-lieu program (for more discussion see Section 4.1.3 below).

(2.2 Fiscal Resources): One commenter suggested eliminating the reference to the District’s Enterprise Fund since funding was likely to come from a number of different budgets within the District. EPA agrees with this comment and has removed this reference.

On the other hand, many commenters noted that the implementation costs of the District’s stormwater program will be significant. EPA agrees. The federal stormwater regulations identify the importance of adequate financial resources [40 C.F.R. §122.26(d)(1)(vi) and (d)(2)(vi)]. In addition, after seeing notable differences in the caliber of stormwater programs across the country, EPA recognizes that dedicated funding is critical for implementation of effective MS4 programs.^{7,8,9} In 2009 the District established, and in 2010 revised, an impervious-based surface area fee for service to provide core funding to the stormwater program¹⁰ (understanding that stormwater-related financing may still come from other sources as they fulfill multiple purposes, *e.g.*, street and public right-of-way retrofits). In conjunction with the 2010 rule-making to revise the fee the District issued a Frequently Asked Questions document¹¹ that indicates the intent to restrict this fee to its original purpose, *i.e.*, dedicated funding to implement the stormwater program and comply with MS4 permit requirements. EPA believes this action is essential, and he expects that the District will maintain a dedicated source of funding for the stormwater program.

⁷ National Research Council, *Urban Stormwater Management in the United States* (2009) National Academy of Sciences http://www.nap.edu/catalog.php?record_id=12465

⁸ National Association of Flood and Stormwater Agencies, Funded by EPA, *Guidance for Municipal Stormwater Funding* (2006) <http://www.nafsma.org/Guidance%20Manual%20Version%20X.pdf>

⁹ EPA, *Funding Stormwater Programs* (2008) http://www.epa.gov/npdes/pubs/region3_factsheet_funding.pdf

¹⁰ District of Columbia, Rule 21-566 Stormwater Fees, <http://www.dcregs.dc.gov/Gateway/RuleHome.aspx?RuleID=474056>

¹¹ District of Columbia, FAQ Document *Changes to the District's Stormwater Fee* (2010) http://ddoe.dc.gov/ddoe/frames.asp?doc=/ddoe/lib/ddoe/information2/water.reg.leg/Stormwater_Fee_FAQ_10-5-10_-final.pdf

EXHIBIT B

EDMUND G. BROWN JR.
GOVERNORMATTHEW RODRIGUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

State Water Resources Control Board

State Water Resources Control Board

Issue Paper Municipal Storm Water Permit Receiving Water Limitations Board Workshop November 20, 2012

ISSUE:

The State Water Resources Control Board (State Water Board) has been asked, in public comments received on National Pollutant Discharge Elimination System (NPDES) permits for Municipal Separate Storm Sewer Systems (MS4s), to adopt permit provisions that create a partial or complete exemption from enforcement for violations of water quality standards while a discharger engages in an iterative process of improving controls (commonly referred to as a “safe harbor” provision). The State Water Board has scheduled a public workshop to consider the issue.

DISCUSSION:

Background:

The Clean Water Act generally requires NPDES permits to include technology-based effluent limitations and any more stringent limitations necessary to meet water quality standards. In the context of NPDES permits for MS4s, however, the Clean Water Act does not reference the requirement to meet water quality standards. MS4 discharges must meet a technology-based standard of reducing pollutants in the discharge to the Maximum Extent Practicable (MEP), but requirements to meet water quality standards are at the discretion of the permitting agency.¹ Further, under the Porter-Cologne Water Quality Control Act, waste discharge requirements must implement applicable water quality control plans, including water quality objectives; however, the Porter-Cologne Act also affords the State Water Board and regional water quality control boards (collectively, Water Boards) flexibility to consider other factors, such as economics, when establishing any NPDES permit requirements that are more stringent than required by the Clean Water Act.²

The State Water Board has exercised its discretion with regard to requiring compliance with water quality standards in MS4 permits by directing, in precedential orders, that MS4 permits contain provisions requiring discharges to be controlled so as not to cause or contribute to exceedances of water quality standards in receiving waters.³ However, consistent with federal

¹ 33 U.S.C. § 1342(p); *Defenders of Wildlife v. Browner* (9th Cir. 1999) 191 F.3d 1159.

² Wat. Code, §§ 13241, 13263; *City of Burbank v. State Water Resources Control Bd.* (2005) 35 Cal.4th 613.

³ SWRCB Order WQ 98-01 (*Environmental Health Coalition*), WQ 99-05 (*Environmental Health Coalition*).

law, the State Water Board has found it appropriate to implement Best Management Practices (BMPs) in lieu of numeric water quality-based effluent limitations to meet water quality standards.⁴ Additionally, in lieu of “strict compliance” with water quality standards, the State Water Board has prescribed an iterative process whereby an exceedance of a water quality standard triggers a process of BMP improvements: reporting of the violation, submission of a report describing proposed improvements to BMPs expected to better meet water quality standards, and implementation of these new BMPs.

While the Water Boards have generally directed dischargers to achieve compliance with water quality standards by improving control measures through the iterative process, the iterative process does not provide a “safe harbor” to MS4 permittees: that is, when a discharger is shown to be causing or contributing to an exceedance of water quality standards, that discharger is in violation of the relevant discharge prohibitions and receiving water limitations of the permit and potentially subject to enforcement by the Water Boards or through a citizen suit, even if the discharger is actively engaged in the iterative process. Despite the lack of a safe harbor provision, however, the Water Boards have, as a matter of practice, declined to initiate enforcement actions against MS4 permittees who have been actively engaged in the iterative process. The Water Boards’ decisions to decline to include a safe harbor in MS4 permits have been upheld by courts of appeal.⁵

Need for and Purpose of Workshop:

The lack of a safe harbor in the iterative process was recently highlighted by the Ninth Circuit’s decision in a citizen suit brought by the Natural Resources Defense Council (NRDC) against the County of Los Angeles and the Los Angeles County Flood Control District for violations of the receiving water limitations of their MS4 permit. The Ninth Circuit confirmed that, as the receiving water limitations of the Water Boards’ MS4 permits are currently drafted, engagement in the iterative process does not excuse liability for violations of water quality standards.⁶

As the storm water management programs of municipalities have matured, an increasing body of monitoring data indicates that water quality standards are in fact not being met by many MS4s. MS4s accordingly assert that the receiving water limitations and iterative process provisions of the Water Boards’ permits do not afford them with a viable path to compliance for these violations, which may take years of technical efforts to correct, especially for wet weather discharges. MS4s argue that they are increasingly vulnerable to citizen suits and/or Water Board enforcement. This concern has been raised by the California Stormwater Quality Association (CASQA) in comments on the proposed Phase II MS4 permit and by the California Department of Transportation (Caltrans) in comments on the Caltrans MS4 permit adopted

⁴ See SWRCB Orders WQ 91-03 (*Citizens for a Better Environment*), WQ 98-01 (*Environmental Health Coalition*), WQ 2001-15 (*Building Industry Association of San Diego County*); See also 40 C.F.R. § 122.44(k); Interim Permitting Approach for Water Quality-Based Effluent Limitations In Storm Water Permits, USEPA, September 1995. In such orders and guidance, the State Water Board and Environmental Protection Agency acknowledge that the storm water program may evolve over time to incorporate stricter limitations, including improved BMPs to meet water quality standards or numeric water quality based effluent limitations.

⁵ *Building Industry Assn. of San Diego County v. State Water Resources Control Bd.* (2004) 124 Cal.App.4th 866; *City of Rancho Cucamonga v. Regional Water Quality Control Bd.* (2006) 135 Cal.App.4th 1377; see also *Natural Resources Defense Council v. County of Los Angeles* (9th Cir. 2011) 673 F.3d 880, 897, n.7.

⁶ *Natural Resources Defense Council v. County of Los Angeles*, *supra*, 673 F.3d at p. 897. On July 13, 2012, the United States Supreme Court granted review of this case on other grounds.

September 19, 2012, as well as by numerous MS4s and interested persons in comments on both permits. The issue is additionally relevant to the Phase I MS4 permits issued by the regional water quality control boards.⁷

At the same time, the environmental community has commented that the iterative process has been underutilized and ineffective to date in bringing MS4 discharges into compliance with water quality standards. Environmental parties argue that direct enforcement of water quality standards is necessary to protect water quality, especially in such second- or third-generation permits where dischargers have already had a number of years to come into compliance.

Because of the broad applicability of any policy decisions regarding the receiving water limitations and iterative process provisions, the State Water Board is holding a public workshop to consider several alternatives in addressing the issue and to seek public input on these alternatives. Following the workshop, the State Water Board may propose revisions to the receiving water limitations in the Caltrans MS4 and Phase II MS4 permits, and as necessary, re-open those permits after public review and comment, to make the revisions.

ALTERNATIVES FOR CONSIDERATION:

The State Water Board may consider the alternatives below, individually or in combination, to address concerns with the receiving water limitations in the Caltrans or Phase II MS4 permits. While the listed alternatives attempt to capture the range of alternatives before the State Water Board, the Board welcomes comments proposing other options and will not be limiting its consideration to the alternatives as listed in this issue paper.

The receiving water limitations language prescribed by State Water Board Order WQ 99-05 is attached as Attachment 1 and forms the basis of Alternative 1. CASQA has submitted specific proposed language for the Receiving Water Limitations provision of the proposed Phase II MS4 permit (CASQA Proposal). The CASQA Proposal is attached as Attachment 2 and is referenced as appropriate in the discussion of the alternatives below.

Alternative 1: Keep the status quo of no safe harbor.

This alternative makes no changes to the existing State Water Board approach or to the current language of the adopted Caltrans MS4 permit or the proposed Phase II MS4 permit. As stated previously, the current MS4 permit provisions laying out the iterative process are based on language set forth in precedential State Water Board orders. (See Attachment 1.) Alternative 1 adheres to the prescribed language. Under this alternative, the Water Boards may choose to exercise their enforcement discretion to refrain from taking action against dischargers engaged in good faith implementation of the iterative process; however, they would not be constrained from enforcing the receiving water limitations when an MS4 causes or contributes to exceedances of water quality standards. As a limitation within an NPDES permit, dischargers who cause or contribute to an exceedance of water quality standards could be subject to citizen suits.

⁷ Note that the issue is not relevant to any other NPDES permits, including permits for storm water discharges associated with industrial activity, because all other NPDES permits must include technology-based effluent limitations and any more stringent limitations necessary to meet water quality standards. (33 U.S.C. § 1311(b)(1)(C).)

Alternative 2: No safe harbor, but provide greater clarity and specificity for iterative process implementation and wet weather data analysis.

Greater clarity and specificity in the MS4 permits as to the iterative process requirements may result in increased efforts to improve controls and achieve compliance. Such clarity and specificity may include:

1. Clarification on how compliance with the relevant discharge prohibitions and receiving water limitations is determined, including type and frequency of monitoring;
2. Clarification that dischargers must begin the iterative process after documentation of violations without waiting to be directed to do so by the Water Boards;
3. Specification of the minimum efforts that will constitute meaningful compliance with the iterative process;
4. Specification of the scope of any corrective action, including whether it applies only at the location where exceedances are measured or throughout the relevant watershed;
5. Specification of additional wet weather data analysis to better define and assess the impact of municipal storm water discharges on receiving waters, as well as the efficacy of specific best management practices.

As the MS4 program continues to mature and more data becomes available, this alternative may be enhanced by the development of water quality-based effluent limitations for pollutants, as appropriate, as a means of determining compliance with receiving water limitations. In addition, the enhanced wet weather data could be used to identify surrogates that could be used as a measure of protecting beneficial uses. In time, the data could be used to develop actual wet weather water quality standards or wet weather implementation provisions for existing water quality standards that could be applied consistently on a statewide basis.

Given the nature of storm water discharges and of MS4s, questions such as where and how compliance with water quality standards should be measured and how narrowly or broadly corrective actions should be applied, pose complicated technical issues that require careful study and consideration. These challenges notwithstanding, water quality improvements are more likely to be achieved as the iterative process becomes automatic and dischargers follow clear guidelines for determining and addressing non-compliance with permit terms. Such improvements may dissuade the Water Boards and the public from bringing enforcement actions/citizen suits for all except the most egregious and repeated violations.

In addition to being a stand-alone alternative, Alternative 2 may be considered in combination with Alternatives 3 through 5. The CASQA Proposal incorporates some greater specificity in the iterative process requirements as a component of its proposed receiving water limitations.

Alternative 3: Safe harbor that applies only if a discharger is in compliance with the implementation provisions of an approved TMDL.

Under Alternative 3, the receiving water limitations would be amended to provide a safe harbor for permittees that are in compliance with the implementation provisions of a TMDL. In effect, as long as the permittee is in compliance with the TMDL (including any compliance schedule) the terms of the TMDL would replace the requirement to comply with water quality standards for the pollutants that are covered by the TMDL.

The CASQA Proposal contemplates a safe harbor for dischargers in compliance with a TMDL as a component of the receiving water limitations.

Alternative 4: Safe harbor that applies if a discharger is in compliance with the implementation provisions of an approved TMDL, as in Alternative 3, and, in addition, that applies when the discharger engages in good faith compliance with the iterative process for exceedances caused by wet weather discharges.

In addition to the safe harbor for TMDL implementation, Alternative 4 would provide a safe harbor when dischargers engage in the iterative process in good faith to address violations of permit terms caused by wet weather discharges. Thus, if a storm water discharge from an MS4 is causing or contributing to an exceedance of a water quality standard in the receiving water, the exceedance would not constitute a violation of the permit as long as the discharger was engaged in good faith efforts to address the exceedance through improved controls. Alternative 4 recognizes that wet weather discharges from MS4s frequently cause or contribute to violations of water quality standards and allows the MS4s time to address these violations by improving control measures.

However, the safe harbor would not extend to dry weather discharges. Non-storm water discharges are generally prohibited in MS4 permits and only a few categories of non-storm water discharges are exempted from the prohibition, with the condition that these exempted discharges also be prohibited if they are identified as sources of pollutants to receiving waters.

Alternative 5: Full safe harbor.

This alternative would provide a full safe harbor to dischargers complying with the implementation provisions of a TMDL or engaging in the iterative process to address exceedances caused by wet or dry weather discharges.

The CASQA Proposal attached provides for a full safe harbor.

Attachments Removed

EXHIBIT C

Honorable Members of the
State Water Resources Control Board
Re: Comment Letter – Receiving
Water Limitations Language
Workshop

- 2 -

November 13, 2012

This letter contains additional District comments about the RWL language and the iterative process. We believe that they are best expressed in terms of correcting misperceptions regarding the current RWL language, as interpreted by the Ninth Circuit.

Misperception Number One: Strict compliance with Water Quality Standards is required of MS4 Permittees by the Clean Water Act.

The Clean Water Act provides that MS4 discharges must control pollutants in discharges from the MS4 to the "Maximum Extent Practicable" (33 U.S.C. § 1342(p)(3)(B)(iii)). Unlike the case with other NPDES Permittees, the Clean Water Act does not require that municipalities strictly comply with Water Quality Standards, as determined by the Ninth Circuit in *Browner v. Defenders of Wildlife*. The State Board's own precedential Order WQ 2001-15 recognizes this fact and states that the RWL language was intended to be consistent with the *Browner* case. In that Order, which interpreted RWL language similar to that in *NRDC*, the Board stated:

[O]ur language, similar to the U.S. EPA's permit language discussed in the Browner case, does not require strict compliance with water quality standards. Our language requires that storm water management plans be designed to achieve compliance with water quality standards. Compliance is to be achieved over time, through an iterative approach requiring improved BMPs. As pointed out by the Browner court, there is nothing inconsistent between this approach and the determination that the Clean Water Act does not mandate strict compliance with water quality standards. [Order WQ 2001-15 at 7 (emphasis added)].

Unfortunately, the Ninth Circuit completely disregarded this language, and the Order, in holding that strict compliance was required of MS4 Permittees.

USEPA itself has issued MS4 permits (in non-delegated states) that do not contain RWL language requiring strict compliance with Water Quality Standards. Therefore, it is clear that such compliance is not required by the Clean Water Act nor is such compliance established by USEPA policy. The most prominent example of a recent MS4 permit promulgated by USEPA is that for the District of Columbia ("DC Permit") (relevant portions of which are attached as Exhibit A), which was adopted in 2011.

Part 1.4 of the DC Permit contains the requirements relating to Water Quality Standards and provides, in relevant part: "Compliance with the performance standards and provisions contained in Parts 2 through 8 of the permit shall constitute adequate progress towards compliance with DCWQS [water quality standards] and WLAs [established under TMDLs] for this permit term." The DC Permit Fact Sheet explains the rationale for that language as follows [DC Permit Fact Sheet, Pages 5-6, emphasis added, attached as Exhibit B]:

Comments on the language in Part 1.4 varied widely. Some commenters did not believe it was reasonable to require discharges to meet water quality standards. Other commenters believed this to be an unambiguous requirement of the Clean Water Act.

Honorable Members of the
State Water Resources Control Board
Re: Comment Letter – Receiving
Water Limitations Language
Workshop

- 3 -

November 13, 2012

Today's Final Permit is premised upon EPA's longstanding view that the MS4 NPDES permit program is both an iterative and an adaptive management process for pollutant reduction and for achieving applicable water quality standard and/or total maximum daily load (TMDL) compliance. See generally, "National Pollutant Discharge Elimination System Permit Application Regulations for Stormwater Discharges," 55 F.R. 47990 (Nov. 16, 1990).

EPA is aware that many Permittees, especially those in highly urbanized areas such as the District, likely will be unable to attain all applicable water quality standards within one or more MS4 permit cycles. Rather the attainment of applicable water quality standards as an incremental process is authorized under section 402(p)(3)(B)(iii) of the Clean Water Act, 33 U.S.C. § 1342(p)(3)(B)(iii), which requires an MS4 permit "to reduce the discharge of pollutants to the maximum extent practicable" (MEP) "and such other provisions" deemed appropriate to control pollutants in municipal stormwater discharges. To be clear, the goal of EPA's stormwater program is attainment of applicable water quality standards, but Congress expected that many municipal stormwater dischargers would need several permit cycles to achieve that goal.

Specifically, the Agency expects that attainment of applicable water quality standards in waters to which the District's MS4 discharges, requires staged implementation and increasingly more stringent requirements over several permitting cycles. During each cycle, EPA will continue to review deliverables from the District to ensure that its activities constitute sufficient progress toward standards attainment. With each permit reissuance EPA will continue to increase stringency until such time as standards are met in all receiving waters. Therefore today's Final Permit is clear that attainment of applicable water quality standards and consistency with the assumptions and requirements of any applicable WLA are requirements of the Permit, but, given the iterative nature of this requirement under CWA Section 402(p)(3)(B)(iii), the Final Permit is also clear that "compliance with all performance standards and provisions contained in the Final Permit shall constitute adequate progress toward compliance with DCWQS and WLAs for this permit term" (Section 1.4).

USEPA is now proposing clarifying changes to this language and to other sections of the DC Permit as the result of a settlement with various parties. However, those changes do not require strict compliance with Water Quality Standards, but rather compliance through the programs developed under the Permit.

The State Board is thus, free to adopt new RWL language that effectuates its previously expressed intent that MS4 permits not require strict compliance with Water Quality Standards with regard to contributions from discharges from MS4s.

Honorable Members of the
State Water Resources Control Board
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Misperception Number Two: The MS4 Permittees are Seeking a "Safe Harbor" that would Insulate them from Responsibility Under the Clean Water Act.

While State Board staff's "Issue Paper" uses the term "safe harbor" in describing the iterative process, the District believes that this is fundamentally misleading. Even a cursory review of the terms of a typical MS4 permit in California reveals that it is full of compliance points. In the three MS4 Permits in which the District serves as Principal Permittee, literally every sentence is a separate point of compliance.

This fact is supported by the language of the Permits themselves. For example, in Order R8-2010-0033 Part XX.G provides: **"The Permittees must comply with all terms, requirements, and conditions of this Order. Any violation of this Order constitutes a violation of the CWA, its regulations and the California Water Code, and is grounds for enforcement action"** (emphasis added). Similar provisions are contained in the other two Riverside County MS4 Permits. Even without the strict Water Quality Standard language imposed under the Ninth Circuit's opinion, there is no "safe harbor" from liability under the Clean Water Act or, where applicable, the California Water Code, for any Permittee that fails to fully implement each the detailed and prescriptive requirements of its MS4 Permit.

There is a fundamental difference however, between fully complying with activities within the control and responsibility of the Permittees, such as monitoring, implementing BMPs and performing other programmatic requirements of the MS4 Permit; and being forced to guarantee that MS4 discharges will not cause or contribute to exceedances of Water Quality Standards in Receiving Waters, a guarantee that the Permittees' have no ability to make.

What the District and other MS4 Permittees seek is relief from what is essentially "guaranteed non-compliance" where a Permittee can be found in violation of their MS4 Permit even if the exceedance occurs at no fault of or failure by the Permittee, or put another way, even in circumstances where there is nothing a Permittee could have done to prevent that exceedance from occurring. In such a case, the Permittee can be held liable for potentially millions of dollars in legal costs, penalties and other expenses. We note that the City of Malibu, a city of only 13,000 residents, spent more than \$2 million in defending against a citizen suit filed with respect to its MS4 Permit and more than \$6 million to settle the case, including payment of \$750,000 in attorney fees to plaintiffs. Given the tremendous financial challenges faced by every California municipality, including the District, the County of Riverside and the Permittee cities within the County, such a diversion of resources that otherwise would be directed at clean water programs or other vital municipal programs is a poor policy choice. And, as noted, it is not a policy choice that is required by the Clean Water Act, nor is it required by USEPA in their own Permits.

The District recognizes that regulatory enforcement actions and citizen suits are authorized by the Clean Water Act and that such suits may be an appropriate remedy where, for example, a Permittee has failed to comply with the programmatic requirements of its MS4 Permit. Where, however, the Permittees are complying with those requirements in good faith but, due to circumstances beyond

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their control, their MS4 discharge causes or contributes to a Water Quality Standard exceedance in Receiving Waters, a citizen suit based on those exceedances potentially throws away the work done by the Permittees and the Water Boards under the MS4 Permit, as discussed below.

Misperception Number Three: MS4 can achieve compliance with strict Water Quality Standards.

MS4 Permittees cannot guarantee that discharges from their MS4s will in fact, not cause or contribute to an exceedance of Water Quality Standards in a Receiving Water. The monitoring conducted under our MS4 Permits reflects exceedances of various Water Quality Standards in Receiving Waters, and we understand that such results are typical for MS4 discharges around the state (please see Pages 2-3 of the CASQA comment letter dated November 2, 2012). The extreme variability of stormwater quality and quantity itself (which, in Southern California, arrives infrequently and from widely varying storm sizes) combined with a multitude of potential pollutant sources beyond a Permittee's ability to truly "control", make it impossible for a municipality to ensure that no discharges from its MS4 will ever cause or contribute to exceedances of Water Quality Standards in Receiving Waters. This was recognized by the Issue Paper released by State Board staff in preparation for the November 20th workshop, which found that as "the storm water management programs of municipalities have matured, **an increasing body of monitoring data indicates that water quality standards are in fact not being met by many MS4s**" (Issue Paper, Page 2 (emphasis supplied)).

Thus, even if municipal Permittees are to be held strictly liable for the ensuring that no discharges from their MS4s cause or contribute to an exceedance of Water Quality Standards, as the Ninth Circuit has interpreted the current RWL language, those Permittees have no ability to attain those standards. The reasons are several-fold and include the following:

- 1) Unlike an industrial NPDES Permittee, a municipal Permittee is not typically the source of the pollutants in the MS4 discharge (whether wet or dry). The municipality can regulate sources to some degree (through, for example, the operation of structural and non-structural BMPs and implementation of an Illegal Connection/Illicit Discharge program), but the municipality cannot guarantee that pollutants will not enter the MS4 and then be discharged into the Receiving Waters.
- 2) Municipalities cannot control natural sources of pollutants that are discharged through the MS4. Monitoring has indicated that many pollutants are likely from natural and not anthropogenic sources.
- 3) While Permittees conduct extensive public education programs as part of their MS4 programs, municipalities cannot "control" human behavior, or "prevent" an individual from taking an action that might cause pollution to enter the MS4. As an example, a resident may, despite all ordinances, regulations, potential penalties or enforcement, public outreach, available BMPs, etc., choose not to pick up after their pets, and

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stormwater may, through no fault of the Permittee, pick up animal waste and deposit into the MS4.

- 4) MS4 Permittees cannot "prevent" flows from entering their MS4. To protect the health and property of their residents, MS4 operators must allow the legitimate flows of water into their drains. This is especially true for the District, which is charged directly by the Legislature [in Water Code App. §48-9] with the task of taking necessary steps to protect the people, properties and watersheds of Riverside County from the negative impacts of flooding. The District cannot, in effect, cause flooding by preventing flows from entering their storm drain, simply because such flows may contain pollutants that cause a violation of the Receiving Waters Limitation provisions of their MS4 Permits. In fact, California law requires downstream property owners (such as MS4 operators) to accept flows from upstream property owners.
- 5) Further, the authorities granted to flood control districts, such as this District, by the Legislature are narrow and do not include the authority to condition or regulate the quality or nature of stormwater runoff discharged from up gradient properties. This responsibility is appropriately assigned by the Legislature to the Regional Boards.

Similarly, MS4 Permittees cannot guarantee compliance with Water Quality Standards in dry weather. "Alternative 4" in the staff's Issue Paper suggests an alternative RWL approach that would not extend the iterative approach to dry weather discharges. The District submits that this alternative does not reflect the reality of urban runoff. Monitoring conducted under the Riverside County MS4 Permits reflects exceedances of Water Quality Standards during dry weather as well as wet weather. There is no justification for imposition of strict liability for exceedances during such conditions, for the following reasons:

- 1) During dry weather, other NPDES-permitted discharges continue to flow into the Receiving Waters. For example, much of the flow in the Santa Ana River during dry weather conditions is from non-MS4 sources, such as publicly owned treatment works. Additionally, numerous other separate NPDES-permitted discharges will occur, potentially at concentrations of pollutants that exceed Water Quality Standards. Evidence generated during the *NRDC* case involving the County of Los Angeles, for example, indicated that NPDES permits covering hundreds of these dischargers, including POTWs allowed the discharge of pollutants at concentrations *greater* than Water Quality Standards. Because of these discharges, which are legal and authorized by the Regional Boards, the MS4 Permittees have essentially no more control over compliance with Water Quality Standards in dry weather than they would have during wet weather conditions.
- 2) Accidental or even intentional illicit discharges by third parties into the MS4 obviously can occur during dry weather as well as wet weather. Such discharges would potentially have an even greater impact on sampling, since they are not diluted by large volumes of stormwater. For example, a vehicular accident recently caused hundreds of gallons of

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asphalt tar to enter Sandia Creek, a Receiving Water in Riverside County. While this spill was not discharged through an MS4, if the vehicular accident had occurred in another portion of the watershed, the spill could feasibly have entered into and been discharged from an MS4. Similarly in many places throughout the State, sanitary sewer systems are owned and operated by special districts that have no relation to the MS4 Permittees that own or operate the MS4 systems. Nevertheless, an overflow of such sanitary sewer systems may cause an unavoidable discharge into, and from a Permittee-owned MS4. Such accidental or illicit discharges cannot be "prevented" or "controlled" by the Permittees except to the extent that they can be cleaned up or blocked if promptly reported. However, if the discharge has reached Receiving Waters and caused a measured exceedance of Water Quality Standards, under the Ninth Circuit's interpretation, liability for civil penalties, injunctive relief and attorneys fees will attach to the MS4 Permittee.

- 3) Enforcing strict Water Quality Standard limits in dry or wet weather is counter-productive to the watershed planning-based MS4 Permits currently being promulgated by many regional water boards. Enforcing such limits will divert Permittee attention and resources from watershed-based, monitoring-heavy compliance programs, as will be discussed in greater detail below.

In essence, under the Ninth Circuit's interpretation of the current RWL language, the District, and potentially every other MS4 Permittee in the state, is in violation of its Permit any time that an exceedance of a Water Quality Standard is recorded and attributed to a discharge from its MS4. This means that the Regional Water Boards have issued, and continue to adopt permits that include RWL language **which cannot be complied with**. The Clean Water Act, however, does not require Permittees to achieve the impossible. *See, e.g., Hughey v. JMS Development Corp.* (11th Cir. 1996) 78 F.3d 1523, 1530 ("In interpreting the liability provisions of the CWA, we realize that Congress is presumed not to have intended absurd (impossible) results.").

Misperception Number Four: The Current RWL Language is more Protective of Receiving Water Quality.

This statement is not only untrue but maintaining the current RWL language actually **impedes** efforts to protect Receiving Water Quality.

We understand that some stakeholders believe that there should be Numeric Effluent Limitations (NELs) contained in the MS4 Permits for purposes of accountability. In response, we note that many MS4 permits now contain numeric Stormwater and Non-stormwater Action Levels ("SALs" and "NALs") or other numeric targets or goals, the exceedance of which trigger specific compliance responses by the Permittees. It is these action levels (which were advocated by the Blue Ribbon Panel established by the State Board to investigate the appropriateness of NELs in MS4 permits) which provide such "numeric" accountability. This is in addition to the numerous other compliance documentation and reporting provisions required of MS4 Permittees that also provide measures of accountability.

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More importantly, the current RWL language as interpreted by the Ninth Circuit actually impedes efforts by municipalities to protect water quality. First, by requiring immediate compliance, the language undermines efforts to bring Water Quality Standard-impaired waterbodies into compliance through the Total Maximum Daily Load ("TMDL") program. TMDLs are designed with the recognition that, due to the complexity of the issues causing the waterbody to be impaired in the first place, meeting these requirements cannot be achieved immediately. Therefore, TMDL compliance plans include timelines to achieve such compliance over periods of years and sometimes decades.

Second, most MS4 permits have begun incorporating sophisticated watershed management plans, which prioritize pollutants by waterbody and attempt, through aggressive monitoring and source identification efforts, to identify and address the sources of those prioritized pollutants. Municipalities subject to strict RWL language will have no ability to prioritize pollutants, since they must address any pollutant that exceeds a Water Quality Standard, irrespective of the relative impact that that discharge may have had upon the environment or beneficial uses. Moreover, these watershed management plan approaches employ cooperative monitoring and other watershed-based approaches. Permittees faced with potential liability for any exceedance of Water Quality Standards in Receiving Waters that may be caused or contributed to by discharges of their MS4s, will not likely volunteer to cooperate on any watershed-based approach, if cooperation could subject them to additional unnecessary liability.

Third, in a citizen suit brought under the Clean Water Act, a federal judge is free to impose any appropriate injunctive relief to enforce a permit (33 U.S.C. § 1365(a)). Thus, for example, a court could ignore the provisions of a MS4 permit in ordering municipal defendants to address Water Quality Standard exceedances in Receiving Water. This means that the thousands of people-hours invested in the Permit's development, implementation and oversight by municipalities, the Regional Water Boards and other stakeholders would be wasted. In essence, under the Ninth Circuit's reading of the RWL language, all other language in an MS4 permit appears to be superfluous, since the RWL language would control all compliance efforts. This result, of course, is not required by plain language of the Clean Water Act.

Fourth, if a municipality is in unavoidable and automatic non-compliance with the requirements of its MS4 Permit, it will be unable to justify budgeting for water quality management programs and BMPs otherwise required by the Permit as the municipality will simply receive no benefit from making compliance investments. To gain public support for stormwater programs, a municipality must demonstrate to its residents that such investments will constitute compliance with the Permit.

Discussion of Alternatives

The State Board staff's Issue Paper sets forth five alternatives for consideration. Alternative 1, no change in the current RWL language, is completely unacceptable to the District (and, we believe, to other municipalities across the state) because it fails to address the "guaranteed non-compliance" problem of the current language.

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Alternative 2, which proposes to maintain the language that puts the MS4 Permittees in a situation of unavoidable and potentially "guaranteed" non-compliance, but would add greater specification as to how the iterative process might be carried out, is also unacceptable as the MS4 Permittees will still have no viable means to ensure their compliance with the RWL language. While the District does not object in principle to RWL language that spells out clearly, and in achievable terms, what is required of MS4 Permittees when exceedances are recorded, such a change alone does not address the fundamental issues identified in this letter.

Alternative 3, which proposes to provide an iterative process for compliance with the RWL only for pollutants being addressed by dischargers in compliance with an approved TMDL, is better than the first two alternatives, but is still entirely insufficient. By failing to provide a viable means for compliance with the RWL language for non-TMDL pollutants, this alternative language would force Permittees into unavoidable non-compliance, and require them to redirect their efforts and resources away from the TMDL activities, to those other pollutants, due to the strict liability attached to those exceedances. This would be a poor policy choice, as pollutants that are not subject to a TMDL may have significantly less, or even no impact on beneficial uses in the Receiving Waters, as noted in the CASQA comment letter.

Alternative 4, which excludes dry weather discharges from the iterative process to comply with the RWL, is unacceptable for the reasons previously set forth regarding an MS4 Permittees inability to truly "prevent" or "control" accidental or illegal dry weather discharges.

Alternative 5, which provides viable means for compliance with the RWL, for all types of MS4 discharges, is the only viable solution among the alternatives presented by State Board staff. In an era of limited budgets, the only and best way to make progress toward improving the quality our Receiving Waters, is to provide MS4 Permittees the ability to prioritize their efforts, as required in the Watershed Management Plan provisions contained in the most recent MS4 Permits, including the Los Angeles County Permit and the proposed Regional Permit for the San Diego Regional Water Board. As previously discussed, such prioritization cannot occur in the context of strict liability for the exceedance of Water Quality Standards in the Receiving Waters. For all of the reasons set forth in this letter, no other alternative makes policy sense or is congruent with the Maximum Extent Practicable standard in the Clean Water Act.

The District would add that Alternative 5 should additionally incorporate the concept of achieving RWL compliance through watershed management plans, and requests the Board to direct staff to work with stakeholders to ensure that any revised RWL language does not force intermittent or minor exceedances of Water Quality Standards to become de-facto higher priorities than those set by the watershed stakeholders.

In summary, the District supports CASQA, the California State Association of Counties and other municipal stakeholders in advocating for a fully iterative and viable approach to compliance with RWL language in both wet and dry weather conditions. Only when such an approach is in place and endorsed by the State Board will Permittees, including the District, feel confident that they can focus

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fully on efforts to address pollutants in discharges into and from their MS4s, and not on preparing for costly and pointless litigation.

The District therefore, respectfully requests the State Board direct its staff to commence development of new language providing for an enforceable, iterative and viable process for MS4 Permittees to comply with the RWL language included in MS4 permits.

We wish to thank you and State Board staff for your consideration of these comments and any further comments, written or oral, that the District may make on these important issues.

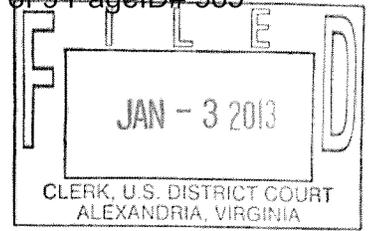
Very truly yours,



for WARREN D. WILLIAMS
General Manager-Chief Engineer

CP:cw
P8/150189

EXHIBIT D



**IN THE UNITED STATES DISTRICT COURT
FOR THE EASTERN DISTRICT OF VIRGINIA
Alexandria Division**

VIRGINIA DEPARTMENT OF TRANSPORTATION, ET AL, <p style="text-align: center;">Plaintiffs,</p> <p style="text-align: center;">-v-</p> UNITED STATES ENVIRONMENTAL PROTECTION AGENCY, ET AL, <p style="text-align: center;">Defendants.</p>	Civil Action No. 1:12-CV-775
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Memorandum Opinion

Before the Court is the Plaintiffs’ motion for judgment on the pleadings under Federal Rule of Civil Procedure 12(c). The Defendants opposed the motion, and the Plaintiffs replied. The Court heard oral arguments on December 14, 2012 and now issues this memorandum opinion and accompanying order granting the Plaintiffs’ motion.

Background

The Clean Water Act, 33 U.S.C. § 1251 et seq., establishes the basic structure for regulating discharge of pollutants into the waters of the United States, and provides certain mechanisms to improve and maintain the quality of surface waters.

One such mechanism is the requirement that states identify “designated uses” for each body of water within their borders, as well as “water quality criteria” sufficient to support those uses. 33 U.S.C. § 1313(c)(2)(A). The Environmental Protection Agency (“EPA”) evaluates the uses and criteria developed by the states, and either approves them or else proposes and

promulgates its own set of standards. § 1313(c)(3).

Once the standards are in place, each state is required to maintain a list—also subject to approval or modification by EPA—of its waterbodies that are “impaired” because they do not meet their respective water quality criteria. 33 U.S.C. § 1313(d)(1)(A). For each waterbody on the impaired list, the state is required to establish a set of total maximum daily loads (“TMDLs”) sufficient to bring the body back into compliance with its water quality criteria. § 1313(d)(1)(C). Each TMDL establishes the maximum amount of a pollutant that may be added to the waterbody daily from all sources (runoff, point sources, etc.). EPA is required to publish a list of pollutants suitable for maximum daily load measurement, § 1314(a)(2)(D), and it has determined that *all* pollutants are suitable for TMDLs, *see* Total Maximum Daily Loads Under Clean Water Act, 43 Fed. Reg. 60,662. Therefore, any pollutant that falls within the relatively broad definition of “pollutant” set forth in § 1362(6) may be regulated via TMDL. EPA can approve or modify as it sees fit TMDLs proposed by the states. § 1313(d)(2).

Here the state in question is Virginia, and the waterbody is a 25-mile long tributary of the Potomac River, located in Fairfax County, called Accotink Creek. The creek has been the subject of litigation in the past that is not relevant to this matter except the result: EPA was required to set TMDLs for Accotink Creek once Virginia failed to do so by a certain date. Specifically, the creek had been identified as having “benthic impairments,” which is to say the community of organisms that live on or near the bottom of the creek were not as numerous or healthy as they should be. EPA was to set appropriate TMDLs to improve the health of the benthic community in Accotink Creek.

On April 18, 2011, EPA established a TMDL for Accotink Creek which limited the flow rate of stormwater into Accotink Creek to 681.8 ft³/acre-day. The TMDL was designed to

regulate the amount of sediment in the Accotink, because EPA believed sediment was a primary cause of the benthic impairment. Both parties agree that sediment is a pollutant, and that stormwater is not. EPA refers to stormwater flow rate as a “surrogate” for sediment.

The Plaintiffs are now challenging the TMDL on multiple grounds, but presently before the Court is a single issue: Does the Clean Water Act authorize the EPA to regulate the level of a pollutant in Accotink Creek by establishing a TMDL for the flow of a nonpollutant into the creek?

Analysis

I. Standard of Review

Count I of the complaint, at issue here, is brought under the Administrative Procedures Act. *See* Comp. ¶ 169. The APA “confines judicial review of executive branch decisions to the administrative record of proceedings before the pertinent agency.” *Shipbuilders Council of Am. V. U.S. Dept. of Homeland Sec.*, 770 F. Supp. 2d 793, 802 (E.D. Va. 2011). As such, the district court “sits as an appellate tribunal,” and APA claims can be resolved equally well in the context of Rule 12 or Rule 56. *Univ. Med. Ctr. Of S. Nev. V. Shalala*, 173 F.3d 438, 441 n. 3 (D.C. Cir. 1999).

Because Count I presents a question of statutory interpretation, the Court reviews EPA’s decision using the two-step analysis set forth in *Chevron, U.S.A., Inc. v. NRDC, Inc.*, 467 U.S. 837 (1984). For a given question of statutory interpretation, the first step under *Chevron* is to determine whether Congress addressed the “precise question at issue.” 467 U.S. at 842. “If the intent of Congress is clear, that is the end of the matter . . .” *Id.* If the Court cannot find that Congress has squarely addressed the question, the Court must move to *Chevron*’s second step. In

the second step of statutory construction under *Chevron*, the Court must determine whether the agency's interpretation of the statute is "permissible." *Id.* at 843. The agency's construction is permissible if it is reasonable, but it need not be what the Court considers the *best* or *most reasonable* construction. *See id.* at 845. The Court is not to simply impose its own construction on the statute, but instead it gives deference to any reasonable statutory construction by the agency. *Id.* at 843.

II. Chevron Step One

Whether statutory ambiguity exists so that the issue cannot be settled at *Chevron's* first step is for the Court to decide, and the Court "owe[s] the agency no deference on the existence of ambiguity." *Am. Bar Ass'n v. FTC*, 430 F.3d 457, 468 (D.C. Cir. 2005). The Court begins the inquiry by "employing traditional tools of statutory construction." *Chevron*, 467 U.S. at 843 n.9. As always, the analysis begins with the text of the statute. *Nat'l Elec. Mfrs. Ass'n v. U.S. Dept't of Energy*, 654 F.3d 496, 504 (4th Cir. 2011).

The text of the statute that requires states to establish their own TMDLs, 33 U.S.C. § 1313(d)(1)(C), is:

Each State shall establish for the waters identified in paragraph (1)(A) of this subsection, and in accordance with the priority ranking, **the total maximum daily load, for those pollutants which the Administrator identifies** under section 1314(a)(2) of this title as suitable for such calculation. Such load shall be established at a level necessary to implement the applicable water quality standards with seasonal variations and a margin of safety which takes into account any lack of knowledge concerning the relationship between effluent limitations and water quality.
(emphasis added)

The next subsection, § 1313(d)(2), grants EPA the authority to set TMDLs when the state

has not done so adequately. “Pollutant” is a statutorily defined term. 33 U.S.C. § 1362(6).

The Court sees no ambiguity in the wording of this statute. EPA is charged with establishing TMDLs for the appropriate pollutants; that does not give them authority to regulate nonpollutants. The parties agree that sediment is a pollutant under 33 U.S.C. § 1362(6), and stormwater is not. Then how does EPA claim jurisdiction over setting TMDLs for stormwater?

EPA frames the stormwater TMDL as a surrogate. EPA's research apparently indicates that the “[sediment] load in Accotink Creek is a function of the amount of stormwater runoff generated within the watershed.” Def. Opp. at 8. And EPA believes that framing the TMDL in terms of stormwater flow rate is superior to simply expressing it in terms of maximum sediment load.

The DC Circuit has considered and rejected a similar attempt by EPA to take liberties with the way Congress intended it to express its TMDLs. In *Friends of the Earth, Inc. v. Env. Protection Agency*, EPA had promulgated TMDLs for the Anacostia River that expressed the maximum load of certain pollutants in terms of annual and seasonal amounts. 446 F.3d 140, 143 (D.C. Cir. 2006). The court found that expressing a TMDL in terms of annual or seasonal maximums was not allowed, because the statute granted authority only for daily loads. *Id.* at 148. The court reached its conclusion even though EPA apparently made a strong argument that expressing TMDLs in terms of annual or seasonal loads was an effective and reasonable approach. *See id.* Presumably a daily load could have been derived by simply dividing the annual load by 365, yet the court still required expression in the terms dictated by Congress.

Here too, EPA hopes to express a TMDL in terms other than those contemplated by the statute, arguing that such an expression is the most effective method. But, as *Friends of the Earth* illustrates, EPA may not regulate something over which it has no statutorily granted power—

annual loads or nonpollutants—as a proxy for something over which it *is* granted power—daily loads or pollutants.

EPA's argument that its surrogate approach should be allowed because the statute does not specifically forbid it fails. EPA is not explicitly forbidden from establishing total maximum *annual* loads any more than they are explicitly barred from establishing TMDLs for nonpollutants. The question is whether the statute grants the agency the authority it is claiming, not whether the statute explicitly withholds that authority. And in this case, as in *Friends of the Earth*, the statute simply does not grant EPA the authority it claims.

The dicta in *Weyerhaeuser Co. v. Costle* is not as helpful to EPA's case as it would like. 590 F.2d 1011, 1022 n.6 (D.C. Cir. 1978). It is true that the court said in a footnote “[i]t is well recognized that EPA can use pollution parameters that are not harmful in themselves, but act as indicators of harm.” *Id.* But in that case, the non-harmful pollution parameters the EPA sought to regulate were components of the effluent commonly discharged from paper mills, *id.* at 1022, making them effluents themselves. And power to regulate effluents is expressly granted to the EPA in the relevant statutory section. *See* 33 U.S.C. § 1314(b).

EPA would like to create the impression that Congress has given it loose rein to determine exactly what it could and could not regulate. On page 16 of its opposition to this motion, EPA points out that “Congress authorized EPA to determine which pollutants were suitable for TMDL calculation and measurement.” (Internal quotes removed). While this may be true, EPA glosses over the fact that 33 U.S.C. § 1314(a)(2)(D) only gives EPA the power to regulate pollutants as that term is defined—by Congress—elsewhere in the statute. And, as discussed above, sediment is a pollutant for these purposes, but stormwater is not.

In a similar vein, EPA regulations which imply that the agency has discretion to set the

TMDL as it sees fit do not bear on the question now before the Court. EPA has promulgated a regulation allowing TMDLs to be “expressed in terms of either mass per time, toxicity, or other appropriate measure,” 40 C.F.R. § 130.2(i), and another that allows TMDLs to be expressed as a “property of pollution,” 50 Fed. Reg. 1774, 1776 (Jan. 11, 1985). But, EPA citing these regulations to demonstrate that the surrogate TMDL approach is permissible is mere bootstrapping. To the extent the regulations allow EPA to set TMDLs for nonpollutants, they exceed the statutory authority of EPA.

The plain language of the statute trumps all, but legislative history also supports Plaintiffs’ argument. Congress’s intent to limit EPA’s discretion in this context is evidenced by the committee record cited by Plaintiffs, which has also been used by the Ninth Circuit, in which Senator Randolph, Chairman of the Senate committee that amended the act in 1972, explained, “We have written into law precise standards and definite guidelines on how the environment should be protected. We have done more than just provide broad directives [for] administrators to follow.” Pl. Mot. 7, *citing Nw. Env’tl. Def. Ctr. v. Brown*, 640 F.3d 1063, 1072 (9th Cir. 2011). Congress created a statutory scheme that included a precise definition of the word “pollutant,” and then gave EPA authority to set TMDLs for those pollutants. Senator Randolph’s comments strongly imply that Congress did not intend anything more or less than what is written in the statute.

The Court considers the language of 33 U.S.C. § 1313(d)(1)(C) to be unambiguous. Congress has spoken directly on the question at issue, and its answer is that EPA’s authority does not extend to establishing TMDLs for nonpollutants as surrogates for pollutants. The legislative history of the CWA is consistent with this reading. Therefore, this Court finds EPA’s interpretation of § 1313 and the related provisions to be impermissibly broad based on analysis

under the first step of *Chevron* analysis.

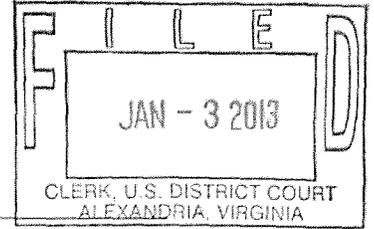
III. Chevron Step Two

Because the Court considers Congress's intent to be clear and unambiguously expressed by the language of the statute, it need not move to the second step of *Chevron* analysis. But the Court notes that there is substantial reason to believe EPA's motives go beyond "permissible gap-filling."

Page 9 of EPA's opposition says, "stormwater flow rates as a surrogate would more effectively address the process by which sediment impairs aquatic life in Accotink Creek." If the sediment levels in Accotink Creek have become dangerously high, what better way to address the problem than by limiting the amount of sediment permitted in the creek? If sediment level is truly "a function of" the amount of stormwater runoff, as EPA claims, then the TMDL could just as easily be expressed in terms of sediment load.

In fact, the Board of Supervisors of Fairfax County argued at the December 14th hearing (without objection from EPA) that EPA has approved 3,700 TMDLs for sediment nationwide, and in Virginia has addressed 111 benthic impairments with TMDLs. None of them regulated the flow rate of stormwater. By comparison, EPA has tried out its novel approach of regulating sediment via flow in only four instances nationwide, and all four attempts were challenged in court. One has settled, the other three are still pending.

The Court suspects that the decision to regulate stormwater flow as a surrogate for sediment load would not constitute a permissible construction of § 1313(d)(1)(C), even given the deference due at *Chevron*'s second step. This is especially likely because EPA is attempting to increase the extent of its own authority via flow TMDLs, which courts must examine carefully.



IN THE UNITED STATES DISTRICT COURT
FOR THE EASTERN DISTRICT OF VIRGINIA
Alexandria Division

<p>VIRGINIA DEPARTMENT OF TRANSPORTATION, ET AL,</p> <p style="text-align: right;">Plaintiffs,</p> <p style="text-align: center;">-v-</p> <p>UNITED STATES ENVIRONMENTAL PROTECTION AGENCY, ET AL,</p> <p style="text-align: right;">Defendants.</p>	<p style="text-align: center;">Civil Action No. 1:12-CV-775</p>
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Order

In accordance with the memorandum opinion that accompanies this order, it is now **ORDERED:**

1. Plaintiffs' motion (Dkt. No. 29) for judgment on the pleadings as to Count I of the complaint is **GRANTED**.
2. The clerk shall enter judgment in favor of the Plaintiffs.
3. The Accotink Creek TMDL is remanded to EPA for reconsideration consistent with this order.

January 3, 2013
Alexandria, Virginia

/s/ 

Liam O'Grady
United States District Judge