



September 12, 2012

Mr. Bruce Wolfe  
Executive Officer  
San Francisco Bay Regional Water Quality Control Board  
1410 Clay Street, Suite 1400  
Oakland, CA 94612

**SUBJECT: NOTIFICATION OF CHANGE TO DULY AUTHORIZED REPRESENTATIVES FOR CITY OF REDWOOD CITY**

Dear Mr. Wolfe:

This is to document the persons or positions and alternates that I am authorizing to represent the City of Redwood City for signing and certifying municipal regional stormwater NPDES-permit required reports for submittal to the San Francisco Bay Regional Water Quality Control Board (Regional Water Board) and signing and certifying responses to other information requests from the Regional Water Board. I am revising the City authorized representations to include new personnel and a restructured department name.

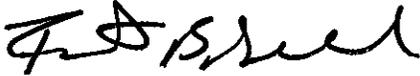
The following executive management positions (any person who occupies these named positions) are duly authorized by me to sign and certify stormwater required reports for submittal to the Regional Water Board or authorize the City/County Association of Governments (C/CAG) of San Mateo County to sign and certify countywide/regional reports and studies prepared on behalf of the city:

- The **Assistant Public Works Services Director** and the **Community Development Director** are the two positions that I have designated to be my duly authorized representatives to certify and sign submittal documents, and vote on any matters brought before the San Mateo Countywide Water Pollution Prevention Program (SMCWPPP).
- Further, the **Assistant Public Works Services Director** shall be the duly authorized representative to attend SMCWPPP Technical Advisory Committee (TAC) meetings and vote on behalf of the City of Redwood City on policy matters brought before the group. The designated alternate representative is the City Engineer.

As described above, the positions and alternates listed are also authorized to direct C/CAG's Executive Director or San Mateo Countywide Water Pollution Prevention Program's Stormwater Coordinator to sign and certify reports prepared by the San Mateo Countywide Water Pollution Prevention Program (Countywide Program) or Bay Area Stormwater Management Agencies Association (BASMAA) on behalf of the City of Redwood City.

This authorization for the submittal of countywide and BASMAA reports will typically occur by an affirmative vote of my duly authorized representatives or alternates at the Countywide Program's Stormwater Technical Advisory Committee meetings, but the authorization may also be obtained through email, telephone, face to face contact, or other method of communication. This notification will remain in effect until it is changed by me or my successor.

Sincerely,

A handwritten signature in black ink, appearing to read "R. B. Bell". The signature is fluid and cursive, with the first name "Robert" and last name "Bell" clearly distinguishable.

Robert B. Bell  
City Manager

ECopy:

Pamela Thompson, City Attorney  
Silvia Vonderlinden, City Clerk  
Bill Ekern, Community Development Director  
Shobuz Ikbal, City Engineer  
Terence Kyaw, Assistant Public Works Director  
Steven Davis, Building and Inspection Manager

PUBLIC WORKS SERVICES DEPARTMENT



MUNICIPAL SERVICES CENTER  
1400 Broadway  
Redwood City, CA 94063-2594  
PHONE: (650) 780-7464  
FAX: (650) 780-7445  
www.redwoodcity.org

September 15, 2012

Bruce Wolfe  
Executive Director  
San Francisco Bay Regional Water Quality Control Board  
1515 Clay Street, Suite 1400  
Oakland, CA 94612

**SUBJECT: CITY OF REDWOOD CITY SUBMITTAL- FY 2011 – 2012 MRP Annual Report**

Reference: San Mateo Countywide Water Pollution Prevention Program

Dear Mr. Wolfe:

Attached are the City of Redwood City's deliverables, as prescribed in the Municipal Regional Stormwater Permit (MRP). This report is submitted in accordance with the provisions C.16.a of the MRP.

We 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 our 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 our knowledge and belief, true, accurate, and complete. We are aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing the violations.

Sincerely,

A handwritten signature in black ink, appearing to read "Terence Kyaw", written over a horizontal line.

Terence Kyaw  
Assistance Public Works Director

Bill Ekern  
Community Development Director

Enclosures

E-Copy:

**FY 2011-2012 Annual Report**

**Permittee Name: City of Redwood City , CA**

**ATTACHMENT B**

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**Attachment:**

- i. Corporation Yard BMP Inspection
- ii. Special Project Reporting - 201 Marshall
- ii. Construction Site Inspection Tracking Spreadsheet
- iii. Potential Facilities List
- iv. Facilities Scheduled for Inspection (FY 12-13)
- v. 2012 IPM Pest Service for Redwood City
- vi. 2012 Green Pro Certificate
- vii. 2012 USGC Certificate
- viii. Regional and Countywide Public Education and Outreach Programs (CR-3), FY11-12 Status Summary
- ix. Architectural Copper BMPs

Permittee Name: City of Redwood City

Section 1 – Permittee Information

Background Information			
<b>Permittee Name:</b>	City of Redwood City		
<b>Population:</b>	78,000		
<b>NPDES Permit No.:</b>	CAS612008		
<b>Order Number:</b>	R2-2009-0074R		
<b>Reporting Time Period (month/year):</b>	July 1, 2011 through June 30, 2012		
<b>Name of the Responsible Authority:</b>	Bob B Bell	<b>Title:</b>	City Manager
<b>Mailing Address:</b>	PO BOX 391		
<b>City:</b>	Redwood City	<b>Zip Code:</b>	94063-0391
		<b>County:</b>	San Mateo
<b>Telephone Number:</b>	650.780.7308	<b>Fax Number:</b>	
<b>E-mail Address:</b>	BBell@redwoodcity.org		
<b>Name of the Designated Stormwater Management Program Contact (if different from above):</b>	Terence Kyaw	<b>Title:</b>	Assistant Public Works Director
<b>Department:</b>	Public Works Services (Community Development Department)		
<b>Mailing Address:</b>	1400 Broadway		
<b>City:</b>	Redwood City	<b>Zip Code:</b>	94063
		<b>County:</b>	San Mateo
<b>Telephone Number:</b>	650.780.7466	<b>Fax Number:</b>	650.780.7445
<b>E-mail Address:</b>	tkyaw@redwoodcity.org		

Permittee Name: City of Redwood City

**Section 2 - Provision C.2 Reporting Municipal Operations**

**Program Highlights and Evaluation**

Highlight/summarize activities for reporting year:

Summary:

The City of Redwood City staffs continued to participate in the ongoing countywide programs such as,

- Attend meeting/workshop held by Municipal Maintenance subcommittee and the Trash Work Group subcommittee.
- Developed/submitted, and started to implement Short-term Trash Load Reduction Plan per the MRP.

**C.2.a. ► Street and Road Repair and Maintenance**

Place an **X** in the boxes next to implemented BMPs to indicate that these BMPs were implemented in applicable instances. If not applicable, type **NA** in the box. If one or more of these BMPs were not adequately implemented during the reporting fiscal year then indicate so and provide explanation in the comments section below:

<b>X</b>	Control of debris and waste materials during road and parking lot installation, repaving or repair maintenance activities from polluting stormwater
<b>X</b>	Control of concrete slurry and wastewater, asphalt, pavement cutting, and other street and road maintenance materials and wastewater from discharging to storm drains from work sites.
<b>X</b>	Sweeping and/or vacuuming and other dry methods to remove debris, concrete, or sediment residues from work sites upon completion of work.

Comments:

**C.2.b. ► Sidewalk/Plaza Maintenance and Pavement Washing**

Place an **X** in the boxes next to implemented BMPs to indicate that these BMPs were implemented in applicable instances. If not applicable, type **NA** in the box. If one or more of these BMPs were not adequately implemented during the reporting fiscal year then indicate so and explain in the comments section below:

<b>X</b>	Control of wash water from pavement washing, mobile cleaning, pressure wash operations at parking lots, garages, trash areas, gas station fueling areas, and sidewalk and plaza cleaning activities from polluting stormwater
<b>X</b>	Implementation of the BASMAA Mobile Surface Cleaner Program BMPs

Comments:

**C.2.c. ► Bridge and Structure Maintenance and Graffiti Removal**

Place an **X** in the boxes next to implemented BMPs to indicate that these BMPs were implemented in applicable instances. If not applicable, type **NA** in the box. If one or more of these BMPs were not adequately implemented during the reporting fiscal year then indicate so and explain in the comments section below:

X	Control of discharges from bridge and structural maintenance activities directly over water or into storm drains
X	Control of discharges from graffiti removal activities
X	Proper disposal for wastes generated from bridge and structure maintenance and graffiti removal activities
X	Implementation of the BASMAA Mobile Surface Cleaner Program BMPs for graffiti removal
X	Employee training on proper capture and disposal methods for wastes generated from bridge and structural maintenance and graffiti removal activities.
X	Contract specifications requiring proper capture and disposal methods for wastes generated from bridge and structural maintenance and graffiti removal activities.

Comments:

Permittee Name: City of Redwood City

**C.2.d. ► Stormwater Pump Stations**

Does your municipality own stormwater pump stations:  **Yes**  **No**

If your answer is **No** then skip to **C.2.e.**

Complete the following table for dry weather DO monitoring and inspection data for pump stations<sup>1</sup> (add more rows for additional pump stations). If a pump station is exempt from DO monitoring, explain why it is exempt.

Pump Station Name and Location	First inspection Dry Weather DO Data		Second inspection Dry Weather DO Data	
	Date	mg/L	Date	mg/L
Bair Island, Bair Island Rd. & E. Bayshore Blvd	10/17/12	4.23	5/29/12	4.14
*Bradford, 700 Bradford St.	10/17/12	7.22	5/29/12	5.11
Broadway, 1180 Broadway St	10/17/12	5.11	5/29/12	4.00
Douglas PS, 1101 Douglas Ave	10/17/12	4.72	5/29/12	3.87
Fifth Ave PS, 3011 E. Bayshore Rd	10/17/12	3.33	5/29/12	4.11
Jefferson/Middlefield PS, 1044 Middlefield Rd	10/17/12	4.33	5/29/12	3.33
K-Mart PS, End of Maple (Eastside)	10/17/12	3.22	5/29/12	3.17
*Maple St PS, Corner of Veterans Blvd & Maple St	10/17/12	3.11	5/29/12	3.33
*Oddstad PS, 1286 Oddstad Off Blomquist	10/17/12	6.69	5/29/12	3.71
*Pacific Shores PS, 800 Seaport Blvd	10/17/12	3.92	5/29/12	4.22
Penn-1, 690 Redwood Shores Pkwy (behind Fire Station 20)	10/17/12	4.59	5/29/12	5.48
*Price Tract PS, 305 Main St	10/17/12	3.12	5/29/12	3.11
Seaport Blvd, 195 Seaport Blvd	10/17/12	4.17	5/29/12	3.71
*Seaport Centre, 207 Penobscot Drive	10/17/12	3.19	5/29/12	4.01
*Veteran PS, End of Veterans Blvd, near Hwy 101/Whipple Exit	10/17/12	6.76	5/29/12	5.09

Summarize corrective actions as needed for DO monitoring at or below 3 mg/L. Attach inspection records of additional DO monitoring for corrective actions: All DO monitoring data were above 3 mg/L; no corrective actions were needed.

Summary:  
 Previous Do monitoring data indicated three pump stations (Maple St PS, Price Tract PS and Seaport Centre PS) have low DO values, and as the result, wet-well at these pump stations was put on a preventive maintenance schedule to be cleaned each year during the dry season. Due to limited staffs, and the anticipation in increase in preventive maintenance activities on the newly installed (by October 2012) trash capture devices, the rest of 12 pump stations with high DO values will be cleaned on a 2-3 years rotating schedule, or on as needed basis.  
  
 During FY11-12, seven pump stations above (\*) were cleaned where debris and sediments were removed from wet-wells.

<sup>1</sup> DO monitoring is exempted where all discharge from a pump station remains in a stormwater collection system or infiltrates into a dry creek immediately downstream.

Permittee Name: City of Redwood City

Attachments: none

Complete the following table for wet weather inspection data for pump stations (add more rows for additional pump stations):

Pump Station Name and Location	Presence of Trash (cubic yard)		Presence of Odor (Yes or No)		Presence of Color (Yes or No)		Presence of Turbidity (Yes or No)		Presence of Floating Hydrocarbons (Yes or No)		
	Date (2x/year required)	1/30/12	3/21/12	1/30/12	3/21/12	1/30/12	3/21/12	1/30/12	3/21/12	1/30/12	3/21/12
Bair Island, Bair Island Rd. & E. Bayshore Blvd		0	0	NO	NO	NO	NO	No	NO	NO	NO
*Bradford, 700 Bradford St.		0.01	0.01	NO	NO	NO	NO	YES	NO	YES/light	YES/light
Broadway, 1180 Broadway St		0	0.01	NO	NO	NO	NO	NO	NO	YES/light	YES/light
Douglas PS, 1101 Douglas Ave		0	0	NO	NO	NO	NO	NO	NO	YES/light	NO
Fifth Ave PS, 3011 E. Bayshore Rd		0	0	NO	NO	NO	NO	NO	NO	NO	YES/light
Jefferson/Middlefield PS, 1044 Middlefield Rd		0.01	0	NO	NO	NO	NO	NO	NO	YES/light	YES/light
K-Mart PS, End of Maple (Eastside)		0	0	NO	NO	NO	YES	YES	YES	YES/light	YES/light
*Maple St PS, Corner of Veterans Blvd & Maple St		0	0	NO	NO	NO	NO	NO	YES	YES/light	NO
*Oddstad PS, 1286 Oddstad Off Blomquist		0.01	0.01	NO	NO	YES	YES	YES	YES	YES/light	YES/light
*Pacific Shores PS, 800 Seaport Blvd		0	0	NO	YES	NO	YES	YES	NO	YES/light	YES/light
Penn-1, 690 Redwood Shores Pkwy (behind Fire Station 20)		0	0	YES	NO	NO	NO	YES	YES	YES/light	YES/light
*Price Tract PS, 305 Main St		0	0.01	NO	NO	YES	NO	YES	NO	YES/light	YES/light
Seaport Blvd, 195 Seaport Blvd		0	0	YES	YES	YES	NO	NO	NO	YES/light	NO
*Seaport Centre, 207 Penobscot Drive		0	0	YES	NO	NO	NO	NO	NO	NO	NO
*Veteran PS, End of Veterans Blvd, near Hwy 101/Whipple Exit		0	0.01	NO	YES	NO	NO	YES	NO	NO	NO
<b>Total Trash Removed (cubic yard)</b>		0.03	0.05								

\* A total of 28 cubic yards of debris and sediments were removed from cleaning wet-wells at these pump stations between 1/11/2012 to 1/18/2012.

C.2.e. ► Rural Public Works Construction and Maintenance	
Does your municipality own/maintain rural <sup>2</sup> roads: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If your answer is <b>No</b> then skip to <b>C.2.f.</b>	
Place an <b>X</b> in the boxes next to implemented BMPs to indicate that these BMPs were implemented in applicable instances. If one or more of the BMPs were not adequately implemented during the reporting fiscal year then indicate so and explain in the comments section below:	
N/A	Control of road-related erosion and sediment transport from road design, construction, maintenance, and repairs in rural areas
N/A	Identification and prioritization of rural road maintenance based on soil erosion potential, slope steepness, and stream habitat resources
N/A	No impact to creek functions including migratory fish passage during construction of roads and culverts
N/A	Inspection of rural roads for structural integrity and prevention of impact on water quality
N/A	Maintenance of rural roads adjacent to streams and riparian habitat to reduce erosion, replace damaging shotgun culverts and excessive erosion
N/A	Re-grading of unpaved rural roads to slope outward where consistent with road engineering safety standards, and installation of water bars as appropriate
N/A	Inclusion of measures to reduce erosion, provide fish passage, and maintain natural stream geomorphology when replacing culverts or design of new culverts or bridge crossings
Comments including listing increased maintenance in priority areas:	

<sup>2</sup> Rural means any watershed or portion thereof that is developed with large lot home-sites, such as one acre or larger, or with primarily agricultural, grazing or open space uses.

Permittee Name: City of Redwood City

**C.2.f. ► Corporation Yard BMP Implementation**

Place an **X** in the boxes below that apply to your corporations yard(s):

<input type="checkbox"/>	We do not have a corporation yard
<input type="checkbox"/>	Our corporation yard is a filed NOI facility and regulated by the California State Industrial Stormwater NPDES General Permit
<input checked="" type="checkbox"/>	We have a current <b>Stormwater Pollution Prevention Plan (SWPPP)</b> for the Corporation Yard(s)

Place an **X** in the boxes below next to implemented SWPPP BMPs to indicate that these BMPs were implemented in applicable instances. If not applicable, type **NA** in the box. If one or more of the BMPs were not adequately implemented during the reporting fiscal year then indicate so and explain in the comments section below:

<input checked="" type="checkbox"/>	Control of pollutant discharges to storm drains such as wash waters from cleaning vehicles and equipment
<input checked="" type="checkbox"/>	Routine inspection prior to the rainy seasons of corporation yard(s) to ensure non-stormwater discharges have not entered the storm drain system
<input checked="" type="checkbox"/>	Containment of all vehicle and equipment wash areas through plumbing to sanitary or another collection method
<input checked="" type="checkbox"/>	Use of dry cleanup methods when cleaning debris and spills from corporation yard(s) or collection of all wash water and disposing of wash water to sanitary or other location where it does not impact surface or groundwater when wet cleanup methods are used
<input checked="" type="checkbox"/>	Cover and/or berm outdoor storage areas containing waste pollutants

Comments:

If you have a corporation yard(s) that is not an NOI facility , complete the following table for inspection results for your corporation yard(s) or attach a summary including the following information:

Corporation Yard Name	Inspection Date (1x/year required)	Inspection Findings/Results	Follow-up Actions
Municipal Services Center	7/12/2012	Please see inspection summary C.2.f attachment	

### Section 3 - Provision C.3 Reporting New Development and Redevelopment

#### C.3.b. ► Green Streets Status Report

(All projects to be completed by December 1, 2014)

On an annual basis (if applicable), report on the status of any pilot green street projects within your jurisdiction. For each completed project, report the capital costs, operation and maintenance costs, legal and procedural arrangements in place to address operation and maintenance and its associated costs, and the sustainable landscape measures incorporated in the project including, if relevant, the score from the Bay-Friendly Landscape Scorecard.

Summary:

At this time, Redwood City has not completed or identified potential Green Streets projects. The C.3 New Development and Redevelopment section of the Countywide Program's FY 11-12 Annual Report includes a description of activities conducted at the countywide or regional level.

#### C.3.b.v.(1) ► Regulated Projects Reporting Table

Fill in attached table **C.3.b.v.(1)** or attach your own table including the same information. **Table attached.**

#### C.3.c.iii(3) ► Low Impact Development Reporting

(For FY 11-12 Annual Report only) Report the method(s) of implementation of Provision C.3.c.i in the 2012 Annual Report. For specific tasks listed in Provision C.3.c.i. that are reported using the reporting tables required for Provision C.3.b.v, a reference to those tables is adequate.

We have modified local procedures to require all regulated projects approved after December 1, 2011 to implement LID source control, site design and stormwater treatment requirements. We are using the following Program and BASMAA products to ensure LID implementation:

- LID Infeasibility/Feasibility Worksheets
- Biotreatment Soil Specifications
- C.3 Stormwater Technical Guidance from the San Mateo Countywide Water Pollution Prevention Program

Please see Table C.3.b.v. (1) for specific information on regulated projects approved during FY 11-12. Note that projects approved prior to December 1, 2011 were not required to fully implement the LID requirement in Provision C.3.c.i.

<b>C.3.e.v. ► Alternative or In-Lieu Compliance with Provision C.3.c.</b>			
(For FY 11-12 Annual Report only) Did your agency make any ordinance/legal authority and procedural changes to implement Provision C.3.e.?	<input checked="" type="checkbox"/>	<b>Yes. See Comments</b>	<input type="checkbox"/> <b>No</b>
If yes, attach a copy of the ordinance/legal authority changes or provide a link to the document(s). Discuss any procedural changes made.			
(For FY 11-12 Annual Report and each Annual Report thereafter) Is your agency choosing to require 100% LID treatment onsite for all Regulated Projects and not allow alternative compliance under Provision C.3.e.?	<input type="checkbox"/>	<b>Yes</b>	<input checked="" type="checkbox"/> <b>No. See Comments</b>
Comments:  Redwood City does not allow fees or LID treatment at an off-site location for in-lieu compliance under C.3.e.i..  Redwood City does permit in-lieu compliance via LID Treatment Reduction Credits under C.3.e.ii for Special Projects, under the legal authority already in place in Redwood City Municipal Code Section 27A. No new ordinance was introduced to incorporate this change because of this. Staff sends written confirmation to Special Project owners confirming their status after review of documents such as geotechnical reports, LID infeasibility/feasibility worksheets, and conceptual plans.			

<b>C.3.e.vi ► Special Projects Reporting</b>			
1. Has your agency received, but not yet granted final discretionary approval of, a development permit application for a project that has been identified as a potential Special Project based on criteria listed in MRP Provision C.3.e.ii(2) for any of the three categories of Special Projects (Categories A, B or C)?	X	<b>Yes</b>	<b>No</b>
2. Has your agency granted final discretionary approval of a project identified as a Special Project in the March 15, 2012 report? If yes, include the project in both the C.3.b.v.(1) Table, and the C.3.e.vi. Table.	X	<b>Yes</b>	<b>No</b>
<p>If you answered "Yes" to either question,</p> <p>1) Complete Table C.3.e.vi . below.</p> <p>2) Attach narrative discussion of 100% LID Feasibility or Infeasibility for each project.</p> <p>Comments:</p> <p>See attached table C.3.e.vi, and narrative discussion regarding 201 Marshall Street. The other project in Table C.3.e.vi, 640 Veterans, is early in the review process and has not yet been confirmed as a Special Project. And so, no narrative has been included for 640 Veterans.</p>			

**C.3.h.iv. ► Installed Stormwater Treatment Systems Operation and Maintenance Verification Inspection Program Reporting**

**(1)** Fill in attached table **C.3.h.iv.(1)** or attach your own table including the same information.  
 The attached table shows inspections of the two newly installed treatment systems only. During the reporting period, staff did not perform its annual 20% maintenance verification inspections. Other regulated projects from the reporting period have not installed their treatment systems as of 6/30/2012 and are not reported. See comments in part 4.

**(2)** On an annual basis, provide a discussion of the inspection findings for the year and any common problems encountered with various types of treatment systems and/or HM controls. This discussion should include a general comparison to the inspection findings from the previous year.

Summary:

The most common problem is trash or poor maintenance of vegetation in bioswales. However, this issue is easily taken care of by property owners after a verbal notice. This year, since no existing treatment systems were inspected, no problems were encountered. No major problems were encountered last year.

**(3)** On an annual basis, provide a discussion of the effectiveness of the O&M Program and any proposed changes to improve the O&M Program (e.g., changes in prioritization plan or frequency of O&M inspections, other changes to improve effectiveness program).

Summary:

The program has worked well so far until this year. One staff member is responsible for the 20% annual inspections, and project inspectors are responsible for inspecting stormwater treatment systems upon project-closeout. To avoid missing the annual inspections of existing treatment systems, one additional staff member (the same staff member responsible for generating part C.3 of this report) will be redundantly responsible for initiating the annual inspections each December.

**(4)** During the reporting year, did your agency:

• Inspect all newly installed stormwater treatment systems and HM controls within 45 days of installation?	X	<b>Yes</b>		<b>No</b>
• Inspect at least 20 percent of the total number of installed stormwater treatment systems or HM controls?		<b>Yes</b>	X	<b>No</b>
• Inspect at least 20 percent of the total number of installed vault-based systems?		<b>Yes</b>	X	<b>No</b>

If you answered "No" to any of the questions above, please explain:

Typically, notices are sent out to property owners in December each year notifying them of pending inspections. For FY 2011/12, this annual inspection of 20% of existing treatment systems was missed. Various staff changes and reorganization contributed to this omission. For FY 2012/13, staff will inspect 40% of existing treatment systems to ensure that each system will be inspected every 5 years per MRP requirements.

**C.3.b.v.(1) ► Regulated Projects Reporting Table (part 1) – Projects Approved During the Fiscal Year Reporting Period**

Project Name Project No.	Project Location <sup>3</sup> , Street Address	Name of Developer	Project Phase No. <sup>4</sup>	Project Type & Description <sup>5</sup>	Project Watershed <sup>6</sup>	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft <sup>2</sup> ) <sup>7</sup>	Total Replaced Impervious Surface Area (ft <sup>2</sup> ) <sup>8</sup>	Total Pre- Project Impervious Surface Area <sup>9</sup> (ft <sup>2</sup> )	Total Post- Project Impervious Surface Area <sup>10</sup> (ft <sup>2</sup> )
<b>Private Projects</b>											
134 Maple Skilled Nursing Facility CP11-0037	134 Maple Street Maple & Lathrop Redwood City, 94063	Lathrop Parc LLC	N/A	Redevelopment; Skilled Nursing Facility with one 5-story building containing 116 beds	Redwood Creek	1.3	1.2	8,800	34,600	34,600	43,400
Kentfield Commons CP10-0105	1581-1617 Kentfield Avenue Between Kentfield & Union Redwood City, 94061	Pacific Peninsula Group	N/A	Redevelopment; Residential with 21 single-family homes	Redwood Creek	1.5	1.5	23,500	14,400	14,400	37,900
333 Main CP11-0111	333 Main Street Main & Veterans Redwood City, 94063	Regis Homes Bay Area	N/A	Redevelopment; Residential with one 4- story buildings containing 132 apartments	Redwood Creek	2.3	2.2	0	76,700	83,200	76,700
One Marina Phase 1, Buildings 2 and 4 CP11-0117	631 & 635 True Wind Way Bair Island Road E of U.S. 101 Redwood City, CA 94063	RC Peninsula Park, LLC	1	New development; Residential with two buildings, 32 condominium units total	Redwood Creek	3.0	1.3	48,000	0	0	48,000
Airgas CP12-0025	1826 Industrial Way Whipple & Industrial Redwood City, 94063	Airgas	N/A	Redevelopment; Industrial site, gas storage and sales	Cordilleras Creek	1.4	1.2	0	47,000	59,400	57,000

<sup>3</sup> Include cross streets

<sup>4</sup> If a project is being constructed in phases, indicate the phase number and use a separate row entry for each phase. If not, enter "NA".

<sup>5</sup> Project Type is the type of development (i.e., new and/or redevelopment). Example descriptions of development are: 5-story office building, residential with 160 single-family homes with five 4-story buildings to contain 200 condominiums, 100 unit 2-story shopping mall, mixed use retail and residential development (apartments), industrial warehouse.

<sup>6</sup> State the watershed(s) in which the Regulated Project is located. Optional but recommended: Also state the downstream watershed(s).

<sup>7</sup> All impervious surfaces added to any area of the site that was previously existing pervious surface.

<sup>8</sup> All impervious surfaces added to any area of the site that was previously existing impervious surface.

<sup>9</sup> For redevelopment projects, state the pre-project impervious surface area.

<sup>10</sup> For redevelopment projects, state the post-project impervious surface area.

**C.3.b.v.(1) ► Regulated Projects Reporting Table (part 1) – Projects Approved During the Fiscal Year Reporting Period**

<b>Project Name Project No.</b>	<b>Project Location<sup>3</sup>, Street Address</b>	<b>Name of Developer</b>	<b>Project Phase No.<sup>4</sup></b>	<b>Project Type &amp; Description<sup>5</sup></b>	<b>Project Watershed<sup>6</sup></b>	<b>Total Site Area (Acres)</b>	<b>Total Area of Land Disturbed (Acres)</b>	<b>Total New Impervious Surface Area (ft<sup>2</sup>)<sup>7</sup></b>	<b>Total Replaced Impervious Surface Area (ft<sup>2</sup>)<sup>8</sup></b>	<b>Total Pre- Project Impervious Surface Area<sup>9</sup> (ft<sup>2</sup>)</b>	<b>Total Post- Project Impervious Surface Area<sup>10</sup> (ft<sup>2</sup>)</b>
201 Marshall Street CP12-0032	201 Marshall Street Marshall & Arguello Redwood City, 94063	Raintree Partners	N/A	Redevelopment;	Redwood Creek	0.7	0.7	3,400	26,100	26,100	29,500
<b>Public Projects</b>											
None											
<p>Comments:</p> <p>The Airgas/CP12-0025 project kept an existing 10,000 SF building during redevelopment, and so only 47,000 SF of the 57,000 SF of total post-project impervious surface area was replaced.</p> <p>201 Marshall Street/CP12-0032 has not received final discretionary approval as of 6/30/2012. It is included in this table because it was identified as a Special Project in the March 15<sup>th</sup> report.</p> <p>No regulated public projects were approved during the fiscal year reporting period.</p>											

**C.3.b.v.(1) ► Regulated Projects Reporting Table (part 2) – Projects Approved During the Fiscal Year Reporting Period**

Project Name Project No.	Application Deemed Complete Date <sup>11</sup>	Application Final Approval Date <sup>17</sup>	Source Control Measures <sup>12</sup>	Site Design Measures <sup>13</sup>	Treatment Systems Approved <sup>14</sup>	Operation & Maintenance Responsibility Mechanism <sup>15</sup>	Hydraulic Sizing Criteria <sup>16</sup>	Alternative Compliance Measures <sup>17/18</sup>	Alternative Certification <sup>19</sup>	HM Controls <sup>20/21</sup>
<b>Private Projects</b>										
134 Maple Skilled Nursing Facility CP 11-0037	5/29/2009	7/12/2011	Pesticide controls, label storm drain inlets, trash area controls	Minimize impervious area, direct downspouts over landscaping	Bioretention area	Stormwater Treatment Measures Maintenance Agreement, requires the owner to perform routine maintenance	Flow based, criteria 2.c	None	No, project reviewed in-house	N/A, this project is not subject to HM controls because it is part of the exempt area
Kentfield Commons CP10-0105	7/24/2009	9/29/2011	Label storm drain inlets, efficient landscape irrigation	Direct downspouts over landscaping, use permeable surfaces	Media filters, vegetated swales	Stormwater Treatment Measures Maintenance Agreement, requires the owner to perform routine maintenance	Flow based, criteria 2.c	None	No, project reviewed in-house	N/A, this project is not subject to HM controls because it is part of the exempt area
333 Main CP11-0111	11/1/2011	11/29/2011	Efficient landscape irrigation	Use permeable surfaces	Bioswales, media filters	Stormwater Treatment Measures Maintenance Agreement, requires the owner to perform routine maintenance	Flow based, criteria 2.c	None	No, project reviewed in-house	N/A, this project is not subject to HM controls because it is part of the exempt area
One Marina Phase 1, Buildings 2 and 4 CP11-0117	8/25/2010	4/5/2012	Pesticide reduction, labeling storm drain inlets, efficient landscape irrigation	Minimize topography changes, direct downspouts over landscaping	Bioretention area	Stormwater Treatment Measures Maintenance Agreement, requires the owner to perform routine maintenance	Combination flow and volume, criteria 3	None	No, project reviewed in-house	N/A, this project is not subject to HM controls because it is part of the exempt area

<sup>11</sup> For private projects, state project application deemed complete date and final discretionary approval date. If the project did not go through discretionary review, report the building permit issuance date.

<sup>12</sup> List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.

<sup>13</sup> List site design measures approved for the project. Examples include: minimize impervious surfaces; conserve natural areas, including existing trees or other vegetation, and soils; construct sidewalks, walkways, and/or patios with permeable surfaces, etc.

<sup>14</sup> List all approved stormwater treatment system(s) to be installed onsite or at a joint stormwater treatment facility (e.g., flow through planter, bioretention facility, infiltration basin, etc.).

<sup>15</sup> List the legal mechanism(s) (e.g., O&M agreement with private landowner; O&M agreement with homeowners' association; O&M by public entity, etc...) that have been or will be used to assign responsibility for the maintenance of the post-construction stormwater treatment systems.

<sup>16</sup> See Provision C.3.d.i. "Numeric Sizing Criteria for Stormwater Treatment Systems" for list of hydraulic sizing design criteria. Enter the corresponding provision number of the appropriate criterion (i.e., 1.a., 1.b., 2.a., 2.b., 2.c., or 3).

<sup>17</sup> For Alternative Compliance at an offsite location in accordance with Provision C.3.e.i.(1), on a separate page, give a discussion of the alternative compliance site including the information specified in Provision C.3.b.v.(1)(m)(i) for the offsite project.

<sup>18</sup> For Alternative Compliance by paying in-lieu fees in accordance with Provision C.3.e.i.(2), on a separate page, provide the information specified in Provision C.3.b.v.(1)(m)(ii) for the Regional Project.

<sup>19</sup> Note whether a third party was used to certify the project design complies with Provision C.3.d.

<sup>20</sup> If HM control is not required, state why not.

<sup>21</sup> If HM control is required, state control method used (e.g., method to design and size device(s) or method(s) used to meet the HM Standard, and description of device(s) or method(s) used, such as detention basin(s), bioretention unit(s), regional detention basin, or in-stream control).

**C.3.b.v.(1) ► Regulated Projects Reporting Table (part 2) – Projects Approved During the Fiscal Year Reporting Period**

Project Name Project No.	Application Deemed Complete Date <sup>11</sup>	Application Final Approval Date <sup>17</sup>	Source Control Measures <sup>12</sup>	Site Design Measures <sup>13</sup>	Treatment Systems Approved <sup>14</sup>	Operation & Maintenance Responsibility Mechanism <sup>15</sup>	Hydraulic Sizing Criteria <sup>16</sup>	Alternative Compliance Measures <sup>17/18</sup>	Alternative Certification <sup>19</sup>	HM Controls <sup>20/21</sup>
Airgas CP12-0025	2/28/2012	4/27/2012	Trash area controls, miscellaneous drains	Reduced the site's overall impervious area	Bioswales meeting biotreatment requirements of C.3.c	Stormwater Treatment Measures Maintenance Agreement, requires the owner to perform routine maintenance	Flow based, criteria 2.c	None	No, project reviewed in-house	N/A, this project is not subject to HM controls because it is part of the exempt area
201 Marshall Street CP12-0032	1/27/2012	N/A	Pesticide controls, label storm drain inlets, parking facilities controls, and trash controls	Minimize impervious areas from direct connections to the storm drain system, runoff is directed to media filters	Media filters (100% LID reduction credit for Special Project)	Stormwater Treatment Measures Maintenance Agreement, requires the owner to perform routine maintenance	Flow based, criteria 2.c	None	No, project reviewed in-house	N/A, this project is not subject to HM controls because it is part of the exempt area

Comments:

201 Marshall Street/CP12-0032 has not received final discretionary approval as of 6/30/2012. It is included in this table because it was identified as a Special Project in the March 15<sup>th</sup> report.

**C.3.b.v.(1) ► Regulated Projects Reporting Table (part 2) – Projects Approved During the Fiscal Year Reporting Period**

Project Name Project No.	Approval Date <sup>22</sup>	Date Construction Scheduled to Begin	Source Control Measures <sup>23</sup>	Site Design Measures <sup>24</sup>	Treatment Systems Approved <sup>25</sup>	Operation & Maintenance Responsibility Mechanism <sup>26</sup>	Hydraulic Sizing Criteria <sup>27</sup>	Alternative Compliance Measures <sup>28/29</sup>	Alternative Certification <sup>30</sup>	HM Controls <sup>31/32</sup>
<b>Public Projects</b>										
None										

Comments:  
No regulated public projects were approved during the fiscal year reporting period.

<sup>22</sup> For public projects, enter the plans and specifications approval date.

<sup>23</sup> List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.

<sup>24</sup> List site design measures approved for the project. Examples include: minimize impervious surfaces; conserve natural areas, including existing trees or other vegetation, and soils; construct sidewalks, walkways, and/or patios with permeable surfaces, etc.

<sup>25</sup> List all approved stormwater treatment system(s) to be installed onsite or at a joint stormwater treatment facility (e.g., flow through planter, bioretention facility, infiltration basin, etc.).

<sup>26</sup> List the legal mechanism(s) (e.g., O&M agreement with private landowner; O&M agreement with homeowners' association; O&M by public entity, etc...) that have been or will be used to assign responsibility for the maintenance of the post-construction stormwater treatment systems.

<sup>27</sup> See Provision C.3.d.i. "Numeric Sizing Criteria for Stormwater Treatment Systems" for list of hydraulic sizing design criteria. Enter the corresponding provision number of the appropriate criterion (i.e., 1.a., 1.b., 2.a., 2.b., 2.c., or 3).

<sup>28</sup> For Alternative Compliance at an offsite location in accordance with Provision C.3.e.i.(1), on a separate page, give a discussion of the alternative compliance site including the information specified in Provision C.3.b.v.(1)(m)(i) for the offsite project.

<sup>29</sup> For Alternative Compliance by paying in-lieu fees in accordance with Provision C.3.e.i.(2), on a separate page, provide the information specified in Provision C.3.b.v.(1)(m)(ii) for the Regional Project.

<sup>30</sup> Note whether a third party was used to certify the project design complies with Provision C.3.d.

<sup>31</sup> If HM control is not required, state why not.

<sup>32</sup> If HM control is required, state control method used (e.g., method to design and size device(s) or method(s) used to meet the HM Standard, and description of device(s) or method(s) used, such as detention basin(s), bioretention unit(s), regional detention basin, or in-stream control).

**C.3.h.iv. ► Installed Stormwater Treatment Systems Operation and Maintenance Verification Inspection Program Reporting**

Fill in table below or attach your own table including the same information.

<b>Name of Facility/Site Inspected</b>	<b>Address of Facility/Site Inspected</b>	<b>Newly Installed? (YES/NO)<sup>33</sup></b>	<b>Party Responsible<sup>34</sup> For Maintenance</b>	<b>Date of Inspection</b>	<b>Type of Inspection<sup>35</sup></b>	<b>Type of Treatment/HM Control(s) Inspected<sup>36</sup></b>	<b>Inspection Findings or Results<sup>37</sup></b>	<b>Enforcement Action Taken<sup>38</sup></b>	<b>Comments/Follow-up</b>
Bair Island Road CP10-0044	Bair Island Road E of U.S. 101 Redwood City, CA 94063	YES	One Marina Owner	12/2/2011	45-day	Bioswales, meeting biotreatment requirements of Section C.3.c	Improper installation	Verbal warning	Need to trim overflows to be below curb cuts
Bair Island Road CP10-0044	Bair Island Road E of U.S. 101 Redwood City, CA 94063	YES	One Marina Owner	12/5/2011	Follow-up	Bioswales, meeting biotreatment requirements of Section C.3.c	Proper installation	N/A – final installation	Items from 12/2/2011 corrected
Airgas CP12-0025	1826 Industrial Way Whipple & Industrial Redwood City, 94063	YES	Owner	6/18/2012	45-day	Bioswales, meeting biotreatment requirements of Section C.3.c	Proper installation	N/A – final installation	Bioswales were installed early June, complete installation inspected on 6/18/2012

<sup>33</sup> Indicate "YES" if the facility was installed within the reporting period, or "NO" if installed during a previous fiscal year.

<sup>34</sup> State the responsible operator for installed stormwater treatment systems and HM controls.

<sup>35</sup> State the type of inspection (e.g., 45-day, routine or scheduled, follow-up, etc.).

<sup>36</sup> State the type(s) of treatment systems inspected (e.g., bioretention facility, flow-through planter, infiltration basin, etc...) and the type(s) of HM controls inspected, and indicate whether the treatment system is an onsite, joint, or offsite system.

<sup>37</sup> State the inspection findings or results (e.g., proper installation, improper installation, proper O&M, immediate maintenance needed, etc.).

<sup>38</sup> State the enforcement action(s) taken, if any, as appropriate and consistent with your municipality's Enforcement Response Plan.

**C.3.e.vi.Special Projects Reporting Table**

Reporting Period – December 1, 2011 – June 30, 2012

Project Name & No.	Permittee	Address	Application Submittal Date <sup>39</sup>	Status <sup>40</sup>	Description <sup>41</sup>	Site Total Acreage	Density DU/Acre	Density FAR	Special Project Category <sup>42</sup>	LID Treatment Reduction Credit Available <sup>43</sup>	List of LID Stormwater Treatment Systems <sup>44</sup>	List of Non-LID Stormwater Treatment Systems <sup>45</sup>
201 Marshall CP12-0032	Redwood City	201 Marshall Street Marshall & Arguello Redwood City, 94063	7/29/2011	Under review as of 6/30/2012. Final discretionary (issuance of the construction permit) has not been granted. Narrative attached	Residential with one 8-story building containing 116 apartments	0.7 Acres	163 DU/AC	N/A	Category B	100% (>100 DU/AC)	0%	100% media filter by Kristar; meets specifications of the Western Washington Technical Assessment Protocol – Ecology (TAPE) Program
640 Veterans Boulevard CP12-0086	Redwood City	640 Veterans Boulevard Veterans & Convention Redwood City, 94063	4/18/2011	Under review as of 6/30/2012. Final discretionary (issuance of the construction permit) has not been granted.	Residential with two 6-story buildings containing 264 apartments	3.6 Acres	73 DU/AC	N/A	Category C; Location, density and parking credits	Category C; Within ½ mile of transit hub (25%); >60 DU/AC (20%); <10% impervious surface is at-grade parking (10%)	45% Bioswales, meeting biotreatment requirements of Section C.3.c	55% media filter by Kristar; meets specifications of the Western Washington Technical Assessment Protocol – Ecology (TAPE) Program

<sup>39</sup> Date that a planning application for the Special Project was submitted. If a planning application has not been submitted, include a projected application date.

<sup>40</sup> Indicate whether final discretionary approval is still pending or has been granted, and provide the date or version of the project plans upon which reporting is based.

<sup>41</sup> Type of project (commercial, mixed-use, residential), number of floors, number of units, type of parking, and other relevant information.

<sup>42</sup> For each applicable Special Project Category, list the specific criteria applied to determine applicability. For each non-applicable Special Project Category, indicate n/a.

<sup>43</sup> For each applicable Special Project Category, state the maximum total LID Treatment Reduction Credit available. For Category C Special Projects also list the individual Location, Density, and Minimized Surface Parking Credits available.

<sup>44</sup> List all LID stormwater treatment systems proposed. For each type, indicate the percentage of the total amount of runoff identified in Provision C.3.d. for the Special Project's drainage area.

<sup>45</sup> List all non-LID stormwater treatment systems proposed. For each type of non-LID treatment system, indicate: (1) the percentage of the total amount of runoff identified in Provision C.3.d. for the Special Project's drainage area, and (2) whether the treatment system either meets minimum design criteria published by a government agency or received certification issued by a government agency, and reference the applicable criteria or certification.

**Section 4 – Provision C.4 Industrial and Commercial Site Controls**

**Program Highlights**

Provide background information, highlights, trends, etc.

- The City of Redwood City has an agreement with San Mateo Environmental Health(CEH) staffs to conduct businesses and facilities stormwater inspections. The priorities and frequency of the inspection and enforcement are based on the City's Inspection Plan and Enforcement Response Plan as required by the MRP Provision C.4.b and C.4.c.
- The City's stormwater staffs participated in the inspector training on conducting commercial and industrial facility stormwater inspection, and industrial source and illicit discharge control.

**C.4.b.i. ► Business Inspection Plan**

Do you have a Business Inspection Plan?  Yes  No

If No, explain:

**Section 4 – Provision C.4 Industrial and Commercial Site Controls**

**C.4.b.iii.(1) ► Potential Facilities List**

List below or attach your list of industrial and commercial facilities in your Inspection Plan to inspect that could reasonably be considered to cause or contribute to pollution of stormwater runoff.

See Attachment List: Potential Facilities List

**C.4.b.iii.(2) ► Facilities Scheduled for Inspection**

List below or attach your list of facilities scheduled for inspection during the current fiscal year.

See Attachment List: Facilities Scheduled for Inspection (FY 12-13)

Permittee Name: City of Redwood City

**C.4.c.iii.(1) ► Facility Inspections**

Fill out the following table or attach a summary of the following information. Indicate your violation reporting methodology below.

<input checked="" type="checkbox"/>	Permittee reports multiple discrete violations on a site as one violation.
<input type="checkbox"/>	Permittee reports the total number of discrete violations on each site.

	Number	Percent
Number of businesses inspected (First or Routine Inspections)	224	
Total number of inspections conducted (Above # plus Follow-ups)	236	
Number of violations (excluding verbal warnings)	0	
Sites inspected in violation (of the violations above)	0	0%
Violations resolved within 10 working days or otherwise deemed resolved in a longer but still timely manner	N/A	N/A

Comments:

County Environmental Health (EH); Food and Haz Mat Inspectors conduct routine Stormwater Inspection at inventoried sites based on High, Medium or Low Priorities. If a violation or discharge is observed, a description of the violation is noted on the Inspection Report Form. If the violation can not cleared at the time of the original inspection, a copy of the Inspection Report Form is given to a Stormwater Technician for follow-up. Follow-up inspections are routinely conducted within 10 days or otherwise deemed resolved in a longer but still timely manner.

In this reporting period, all violations were resolved within a timely manner.

**C.4.c.iii.(2) ► Frequency and Types/Categories of Violations Observed**

Fill out the following table or attach a summary of the following information.

Type/Category of Violations Observed	Number of Violations
Actual discharge (e.g. active non-stormwater discharge or clear evidence of a recent discharge)	0
Potential discharge and other	0

Comments:

**An Actual Discharge is counted as one discharge per inspection per site.**

**C.4.c.iii.(2) ► Frequency and Type of Enforcement Conducted**

Fill out the following table or attach a summary of the following information.

	<b>Enforcement Action</b> Taken from County-EH ERP and shown on the Inspection Report Forms	<b>Number of Enforcement Actions Taken</b>	<b>% of Enforcement Actions Taken<sup>46</sup></b>
Level 1	Verbal Warning	13	100%
Level 2	Warning Notice or Admin Action	0	0
Level 3	Admin. Action with Penalty and/or Cost Recovery	0	0
Level 4	Legal Action	0	0
<b>Total</b>		13	100%

**C.4.c.iii.(3) ► Types of Violations Noted by Business Category**

Fill out the following table or attach a summary of the following information.

<b>Business Category<sup>47</sup></b>	<b>Number of Actual Discharge Violations</b>	<b>Number of Potential/Other Discharge Violations</b>
Food Facilities	0	0
Hazardous Material/Hazardous Waste	0	0
Total	0	0

**C.4.c.iii.(4) ► Non-Filers**

List below or attach a list of the facilities required to have coverage under the Industrial General Permit but have not filed for coverage:

**No industries were identified as non-filers during scheduled inspections during this fiscal year.**

<sup>46</sup> Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.

<sup>47</sup> List your Program's standard business categories.

Permittee Name: City of Redwood City

<b>C.4.d.iii ► Staff Training Summary</b>			<b>* Attendance reported for County EH staff</b>	
<b>Training Name</b>	<b>Training Dates</b>	<b>Topics Covered</b>	<b>No. of Inspectors in Attendance</b>	<b>Percent of Inspectors in Attendance*</b>
Stormwater Inspection	9/21/11	Stormwater Inspection at Haz Mat sites	10*	85%
Stormwater Inspection	9/22/11	Stormwater Inspection at Food Facilities	13*	87%
Stormwater Inspection	4/25/12	County Wide Stormwater Inspector Training	22*	85%
Stormwater Inspection	4/25/12	County Wide Stormwater Inspector Training	3 Redwood City Stormwater staff	75%

**Section 5 – Provision C.5 Illicit Discharge Detection and Elimination**

**Program Highlights**

Provide background information, highlights, trends, etc.

- The City continues its ongoing screening program as required by the MRP. Screening sites were defined based on the potential of illicit discharge, illegal dumping and the potential of flooding.
- Maintenance staffs, on average, inspect and/or clean 1,900 storm drain inlets, catch basins, siphons and outfalls annually.
- The maintenance staffs participated in an inspector training workshop on conducting commercial and industrial facility stormwater inspections, industrial sources of PCBs and copper, and illicit discharge control.

**C.5.c.iii ► Complaint and Spill Response Phone Number and Spill Contact List**

List below or attach your complaint and spill response phone number and spill contact list.

Contact	Description	Phone Number
Public Works	Wastewater Management Services	650.780.7464
Code Enforcement	Building Inspectors, Community Development Department	650.780-7350

**C.5.d.iii ► Evaluation of Mobile Business Program**

Describe implementation of minimum standards and BMPs for mobile businesses and your enforcement strategy. This may include participation in the BASMAA Mobile Surface Cleaners regional program or local activities.

Description:  
 City requires mobile surface cleaners to obtain BASMAA Mobile Surface Cleaners training and certification to perform services for the City.

For all businesses performing such services, which may result in an illicit discharge, the City provides a verbal warning and citation. It is the City's practice to require violators to cover all cost of cleanup. The city follows guidance and BMPs established by the Countywide Program (see C.5 Illicit Discharge Detection and Elimination section of countywide program's FY 11-12 Annual Report for a description of efforts by countywide committees/work group and the BASMAA Municipal Operations Committee to address mobile businesses).

**C.5.e.iii ► Evaluation of Collection System Screening Program**

Provide a summary or attach a summary of your collection screening program, a summary of problems found during collection system screening and any changes to the screening program this FY.

Description:  
 The City of Redwood City inspected and/or cleaned 19 sites as part of the screening program and, in addition, inspected and cleaned 1,500 storm drain inlets, catch basins, siphons and outfalls. There were no illicit discharges observed during inspection. Total of 95 cubic yards of trash/debris were removed from the storm drain collection system.

**C.5.f.iii.(1), (2), (3) ► Spill and Discharge Complaint Tracking**

Spill and Discharge Complaint Tracking (fill out the following table or include an attachment of the following information)

	Number	Percentage
Discharges reported (C.5.f.iii.(1))	3	
Discharges reaching storm drains and/or receiving waters (C.5.f.iii.(2))	2	67%
Discharges resolved in a timely manner (C.5.f.iii.(3))	3	100%

Comments:  
 Complaints about illicit discharges are report to both Public Works Services (now part of Community Development Department) and the City's Code Enforcement division, which has the legal authority (by ordinance) to cite illicit dischargers. The role of Public Works Services is to account for the type of discharges, initiate cleanup of the storm drain system, and document the cost of cleanup, which is then included in the citation to the dischargers.  
 In FY11-12 , there were 30 SSOs discharges that were tracked and reported separately in a SSO Annual Report to the Regional Water Board. These discharges were not included in the illicit discharge and complaints tracking program.

**C.5.f.iii.(4) ► Summary of major types of discharges and complaints**

Provide a narrative or attach a table and/or graph.

The major types of illicit discharges were:

- 1) From complaints - oil leaks.
- 2) From screening sites and coastal cleanup events - Styrofoam products, cigarette butts, plastic products and bottles.

**Section 6 – Provision C.6 Construction Site Controls**

<b>C.6.e.iii.1.a, b, c ▶ Site/Inspection Totals</b>		
<b>Number of sites disturbing &lt; 1 acre of soil requiring storm water runoff quality inspection (i.e. High Priority) (C.6.e.iii.1.a)</b>	<b>Number of sites disturbing ≥ 1 acre of soil (C.6.e.iii.1.b)</b>	<b>Total number of storm water runoff quality inspections conducted (C.6.e.iii.1.c)</b>
0	6	17
<p>Comments: Of the 6 sites over one acre, only one lasted the entire wet season from October through April. The remaining sites were either winterized early-on in the wet season (in one case), or began during the dry season. This results in an inspection total far less than 6x7 = 42 inspections, which would be the case if all 6 projects lasted the duration of the wet season. Since that isn't the case, a total of 17 inspections were conducted this fiscal year.</p>		

<b>C.6.e.iii.1.d ▶ Construction Activities Storm Water Violations</b>		
<b>BMP Category</b>	<b>Number of Violations<sup>48</sup></b>	<b>% of Total Violations<sup>49</sup></b>
Erosion Control	1	20%
Run-on and Run-off Control	0	0
Sediment Control	3	60%
Active Treatment Systems	0	0
Good Site Management	1	20%
Non Stormwater Management	0	0
<b>Total</b>	<b>5</b>	<b>100%</b>

**Comments:** 5 BMP violations are noted here but 3 enforcement actions are shown in C.6.e.iii.1.e. This is because two enforcement actions were taken on inspections that had two violations each.

<sup>48</sup> Count one violation in a category for each site and inspection regardless of how many violations/problems occurred in the BMP category.

<sup>49</sup> Percentage calculated as number of violations in each category divided by total number of violations in all six categories.

**C.6.e.iii.1.e ▶ Construction Related Storm Water Enforcement Actions**

	<b>Enforcement Action</b> (as listed in ERP) <sup>50</sup>	<b>Number Enforcement Actions Taken</b>	<b>% Enforcement Actions Taken<sup>51</sup></b>
Level 1	Verbal Warning	3	100%
Level 2	Written Warning	0	0
Level 3	Notice to Comply	0	0
Level 4	Legal Action	0	0
<b>Total</b>		<b>3</b>	<b>100%</b>

**C.6.e.iii.1.f, g ▶ Illicit Discharges**

	<b>Number</b>
Number of illicit discharges, actual and those inferred through evidence (C.6.e.iii.1.f)	0
Number of sites with discharges, actual and those inferred through evidence (C.6.e.iii.1.g)	0

<sup>50</sup> Agencies should list the specific enforcement actions as defined in their ERPs.

<sup>51</sup> Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.

<b>C.6.e.iii.1.h, i ► Violation Correction Times</b>		
	<b>Number</b>	<b>Percent</b>
<b>Violations fully corrected within 10 business days after violations are discovered</b> or otherwise considered corrected in a timely period (C.6.e.iii.1.h)	3	100% <sup>52</sup>
<b>Violations not fully corrected within 30 days after violations are discovered</b> (C.6.e.iii.1.i)	0	0% <sup>53</sup>
<b>Total number of violations for the reporting year<sup>54</sup></b>	3	100%
<b>Comments:</b>		

<b>C.6.e.iii.(2) ► Evaluation of Inspection Data</b>
Describe your evaluation of the tracking data and data summaries and provide information on the evaluation results (e.g., data trends, typical BMP performance issues, comparisons to previous years, etc.).
<p>Description:</p> <p>We will continue to monitor our Inspection efforts and how the data is input into the system and make the necessary improvements to help streamline the process. Sediment and erosion control continue to be the most common violations discovered. This is likely due to improper installation of silt fences and fiber rolls, two fairly common BMPs. Most often these improper installations are quickly and easily corrected, so no changes to procedures would be recommended at this time.</p>

<b>C.6.e.iii.(2) ► Evaluation of Inspection Program Effectiveness</b>
Describe what appear to be your program's strengths and weaknesses, and identify needed improvements, including education and outreach.
<p>Description:</p> <p>Our strength in the implementation of the program is the development of a procedure for identifying high-priority sites, schedule regular inspections and input inspection results of these sites. Additional training in this area would be helpful to ensure consistency amongst staff.</p>

<sup>52</sup> Calculated as number of violations fully corrected in a timely period after the violations are discovered divided by the total number of violations for the reporting year.

<sup>53</sup> Calculated as number of violations not fully corrected within 30 days after the violations are discovered divided by the total number of violations for the reporting year.

<sup>54</sup> Total number of violations equals the number of initial enforcement actions (i.e. one violation issued for several problems during an inspection at a site). It does not equal the total number of enforcement actions because one violation issued at a site may have a second enforcement action for the same violation at the next inspection if it is not corrected.

**C.6.f ▶ Staff Training Summary**

Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance	Percent of Inspectors in Attendance
Annual Report and Guidelines	7/20/12	MRP Annual Report Overview	2	33%
Stormwater Workshop for Construction Site Inspectors	2/8/12	Stormwater inspection techniques and BMP overview	2	33%

**Section 7 – Provision C.7. Public Information and Outreach**

**C.7.b.ii.1 ► Advertising Campaign**

Summarize advertising efforts. Include details such as messages, creative developed, and outreach media used. The detailed advertising report may be included as an attachment. If advertising is being done by participation in a countywide or regional program, refer to the separate countywide or regional Annual Report.

Summary:

The following separate report developed by BASMAA summarizes the activities of the Regional Youth Litter Campaign

- BASMAA Youth Litter Campaign Report

**C.7.b.iii.1 ► Pre-Campaign Survey**

*(For the Annual Report following the precampaign survey)* Summarize survey information such as sample size, type of survey (telephone survey, interviews etc.). Attach a survey report that includes the following information. If survey was done regionally, refer to a regional submittal that contains the following information:

The following separate report developed by BASMAA summarizes the pre-campaign survey conducted in FY 11-12:

- BASMAA Youth Litter Campaign Report

Place an **X** in the appropriate box below:

<input type="checkbox"/>	Survey report attached
<input checked="" type="checkbox"/>	Reference to regional submittal:

**C.7.c ► Media Relations**

Summarize the media relations effort. Include the following details for each media pitch in the space below, AND/OR refer to a regional report that includes these details:

- Topic and content of pitch
- Medium (TV, radio, print, online)
- Date of publication/broadcast

Summary:

The following separate report developed by BASMAA summarizes media relations efforts conducted during FY 11-12:

- BASMAA Media Relations Final Report FY 11-12

This report and any other media relations efforts conducted countywide is included within the C.7 Public Information and Outreach section of Program's FY 11-12 Annual Report.

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**C.7.d ► Stormwater Point of Contact**

Summary of any changes made during FY 10-11:

The Countywide Program’s point of contact has not changed. A summary of efforts conducted by the countywide program to publicize stormwater points of contact is included within the C.7 Public Information and Outreach section of the Countywide Program’s FY 11-12 Annual Report.

**C.7.e ► Public Outreach Events**

Describe general approach to event selection. Provide a list of outreach materials and giveaways distributed.

Use the following table for reporting and evaluating public outreach events

Event Details	Description (messages, audience)	Evaluation of Effectiveness
Countywide Events:		
1) San Mateo County Fair, June 9 -17, 2012.	See detail information in FY 11-12 Countywide Annual Program Report	See detail information in FY 11-12 Countywide Annual Program Report
2) Coordination of California Coastal Cleanup Day in San Mateo County, (City’s Annual Fall Cleanup) Date: September 17, 2011 Location: Redwood Creek, Union Cemetery, Winslow St., Whipple St., Brewster Ave., Marshall St. and Woodside Rd.	Volunteers participated in the state-wide coastal cleanup effort. City’s Pride & Beautification Committee sponsored the Coastal Cleanup event. Outreach media utilized by the City include: <ul style="list-style-type: none"> <li>• City website provides update to community events.</li> <li>• Flyers/posters (City Hall, Community Centers, City libraries and Corp yard)</li> <li>• E-newsletters to residents and e-mail blast to City employees.</li> </ul>	<ul style="list-style-type: none"> <li>• Over 300 volunteers,</li> <li>• 2,200 lb of trash removed,</li> <li>• 9 sites, including 3 identified trash hot spots.</li> </ul>
City Events:		
1)City’s Annual Spring Cleanup celebrating earth day Date: April 28, 2012 Location: Hoover School, Jefferson/James, Little River Park, Marshall/Chestnut St., Redwood Creek, Stulsaff Park, Transit Parking Lot, Union Cemetery, Woodside Road.	Collected litter and cleaned illegal dumping sites around near by neighborhoods.	<ul style="list-style-type: none"> <li>• Over 200 volunteers,</li> <li>• 800 lb of trash removed</li> <li>• 9 sites</li> </ul>

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2) City Host Free HHW Collection Event Date: May 12, 2012 Location: Public Works Corp. Yard	Sponsored and conducted by the San Mateo County Environmental Health Pollution Prevention Program to provide opportunity for residents to drop off household hazardous waste for proper disposal.	
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**C.7.f. ► Watershed Stewardship Collaborative Efforts**

Summarize watershed stewardship collaborative efforts and/or refer to a regional report that provides details. Describe the level of effort and support given (e.g., funding only, active participation etc.). State efforts undertaken and the results of these efforts. If this activity is done regionally refer to a regional report.

Evaluate effectiveness by describing the following:

- Efforts undertaken
- Major accomplishments

Summary:

A summary of efforts conducted by the countywide program to work with watershed stewardship groups is included within the C.7 Public Information and Outreach section of the Countywide Program's FY 11-12 Annual Report.

**C.7.g. ► Citizen Involvement Events**

List the types of events conducted (e.g., creek clean up, storm drain inlet marking, native gardening etc.). Use the following table for reporting and evaluating citizen involvement events.

Event Details	Description	Evaluation of effectiveness
Annual Spring Cleanup celebrating earth day Date: April 28, 2012 Location: Hoover School, Jefferson/James, Little River Park, Marshall/Chestnut St., Redwood Creek, Stulsaft Park, Transit Parking Lot, Union Cemetery, Woodside Road.	Collected litter and cleaned illegal dumping sites around near by neighborhoods. City's Pride & Beautification Committee sponsored this event.	<ul style="list-style-type: none"> <li>• Over 200 volunteers,</li> <li>• 800 lb of trash removed</li> <li>• 9 sites</li> </ul>
Coordination of California Coastal Cleanup Day in San Mateo County, (City's Annual Fall Cleanup) Date: September 17, 2011 Location: Redwood Creek, Union Cemetery,	Volunteers participated in the state-wide coastal cleanup effort. City's Pride & Beautification Committee sponsored the Coastal Cleanup event.	<ul style="list-style-type: none"> <li>• Over 300 volunteers,</li> <li>• 2,200 lb of trash removed,</li> <li>• 9 sites, including 3 identified trash hot spots.</li> </ul>

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<p>Winslow St., Whipple St., Brewster Ave., Marshall St. and Woodside Rd.</p>	<p>Outreach media utilized by the City include:</p> <ul style="list-style-type: none"> <li>• City website provides update to community events.</li> <li>• Flyers/posters (City Hall, Community Centers, City libraries and Corp yard)</li> <li>• E-newsletters to residents and e-mail blast to City employees</li> </ul>	
<p>The following citizen involvement events were done on a countywide level by SMCWPPP and are included in the C.7 Public Information and Outreach section of Countywide Program's FY 11-12 Annual Report:</p> <ul style="list-style-type: none"> <li>• Coordination of California Coastal Cleanup Day in San Mateo County, September 17, 2011 (see above).</li> <li>• Administration of a Community Action Grant program"</li> </ul>		

**C.7.h. ► School-Age Children Outreach**

Summarize school-age children outreach programs implemented. A detailed report may be included as an attachment. Use the following table for reporting school-age children outreach efforts.

Program Details	Focus & Short Description	Number of Students/Teachers reached	Evaluation of Effectiveness
Countywide Events:			
<p>1) FY 11-12 Banana Slug String Band presents " We all Live Downstream" Grades: K-5</p>	<p>Through interactive exercises, teach students about storm drains, watersheds and tips to keep water clean.</p>	<p>815 students</p>	<p>See Countywide YR 11-12 Annual Report</p>
<p>2) FY 11-12 Rock Steady Science presents " Water Pollution Prevention and Your Car" Grades: 10-12</p>	<p>Provided education information on storm drains, and impact of litter on local creeks and waterways.</p>	<p>52 students</p>	<p>See Countywide YR 11-12 Annual Report</p>
City Events:			
	<p>Redwood City's Annual Poster Contest is</p>	<p>1019 students / 38</p>	<p>The Annual Poster contest includes water</p>

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<p>Redwood City Water Conservation Poster Contest.</p>	<p>a fun and dynamic way for students to express their understanding of that concept. From flights of fancy, to dams and bridges, and flowers and faucets to rivers and oceans, the kids' perceptions of water are always interesting and enlightening.</p>	<p>teachers</p>	<p>source and watershed education and information to the students in an exciting and interactive way. Effectiveness is determined by the number of students participating in contest.</p>
<p><b>Indoor Kit Giveaway</b> Water-wise School Education Kits Program, kits are distributed to 5th grade students that enable them to install water saving devices and perform a water audit in their home. Included with the kit is a curriculum for the teacher. The water conservation curriculum that can be easily implemented by teachers, easily understood and taken back into the home by the students, and includes methods to quantify the water savings as a result of taking the actions in the curriculum.</p>	<p>The kits are typically taken home by the students, who may share the learning experience with their family members. The energy and water efficient devices contained in the kits are installed in the home and the family is able to calculate the water savings resulting from each device. Essentially the kit allows the student to perform in-home water audit. The kit includes:</p> <ul style="list-style-type: none"> <li>• Energy and Water Saving High-Efficiency Showerhead</li> <li>• Kitchen Aerator</li> <li>• Flip Control Bathroom Aerator</li> <li>• Energy Cost Calculator</li> <li>• Mini-Tape Measure</li> <li>• Flow Rate Test Bag</li> <li>• Multi-Function Drop / Rain Gauge</li> <li>• Water Temperature Check Card</li> <li>• Toilet Leak Detector Tablets</li> </ul>	<p>251 students/ 9 teachers</p>	<p>After the student performs the audit and installs the water and energy savings devices, affidavits signed by the parents are returned to the school, collected by the teacher, and forwarded to Water Wise for program documentation of implementation and resulting savings.</p>
<p><b>Outdoor Kit Giveaway</b> (Under the same program as above)</p>	<p>The kit includes:</p> <ul style="list-style-type: none"> <li>• Seven function garden hose spray nozzle</li> <li>• Garden hose water timer</li> <li>• Rain gauge</li> <li>• Soil moisture meter</li> <li>• Outdoor watering schedule magnet</li> <li>• Replacement garden hose end</li> <li>• Landscape education insert</li> </ul>	<p>281 students/ 5 teachers</p>	

**Section 8 - Provision C.8 Water Quality Monitoring**

**C.8 ► Water Quality Monitoring**

State below if information is reported in a separate regional report. Municipalities can also describe below any Water Quality Monitoring activities in which they participate directly, e.g. participation in RMP workgroups, fieldwork within their jurisdictions, etc.

Summary

During FY 11-12, we contributed through the countywide Program to the BASMAA Regional Monitoring Coalition (RMC). In addition, we contributed financially to the Regional Monitoring Program for Water Quality in the San Francisco Estuary (RMP) and were represented at RMP committees and work groups. For additional information on monitoring activities conducted by the Program, BASMAA RMC and the RMP, see the C.8 Water Quality Monitoring section of the Program's FY 11-12 Annual Report.

**Section 9 – Provision C.9 Pesticides Toxicity Controls**

<b>C.9.b ► Implement IPM Policy or Ordinance</b>					
Report implementation of IPM BMPs by showing trends in quantities and types of pesticides used, and suggest reasons for increases in use of pesticides that threaten water quality, specifically organophosphates, pyrethroids, carbaryl, and fipronil. A separate report can be attached as evidence of your implementation.					
<b>Trends in Quantities and Types of Pesticides Used<sup>55</sup></b>					
<b>Pesticide Category and Specific Pesticide Used</b>	<b>Amount<sup>56</sup></b>				
	<b>FY 09-10</b>	<b>FY 10-11</b>	<b>FY 11-12</b>	<b>FY 12-13</b>	<b>FY 13-14</b>
<b>Organophosphates</b>	none used	none used	none used		
<b>Product or Pesticide Type A</b>					
<b>Product or Pesticide Type B</b>					
<b>Pyrethroids</b>		none used	none used		
<b>Deltamethrin</b>	0.48 oz.				
<b>Product or Pesticide Type Y</b>					
<b>Carbaryl</b>	none used	none used	none used		
<b>Fipronil</b>	none used	none used	none used		

<b>C.9.c ► Train Municipal Employees</b>	
Enter the number of employees that applied or used pesticides (including herbicides) within the scope of their duties this reporting year.	18
Enter the number of these employees who received training on your IPM policy and IPM standard operating procedures within the last 3 years.	18
Enter the percentage of municipal employees who apply pesticides who have received training in the IPM policy and IPM standard operating procedures within the last three years.	100%

<sup>55</sup> Includes all municipal structural and landscape pesticide usage by employees and contractors.

<sup>56</sup> Weight or volume of the product or preferably its active ingredient, using same units for the product each year.

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C.9.d ▶ Require Contractors to Implement IPM	
Did your municipality contract with any pesticide service provider in the reporting year?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If yes, attach one of the following:	
<input checked="" type="checkbox"/>	Contract specifications that require adherence to your IPM policy and standard operating procedures, OR
<input checked="" type="checkbox"/>	Copy(ies) of the contractors' IPM certification(s) or equivalent, OR
<input type="checkbox"/>	Equivalent documentation.
<p><b>Attached: see attachment</b></p> <p>1) Copy of contract agreement between Terminix and the City of Redwood City</p> <p>2) IPM Certification document for Terminix Co.</p>	

C.9.e ▶ Track and Participate in Relevant Regulatory Processes
Summarize participation efforts, information submitted, and how regulatory actions were affected <b>OR</b> reference a regional report that summarizes regional participation efforts, information submitted, and how regulatory actions were affected.
<p>Summary:</p> <p>During FY 11-12, we participated in regulatory processes related to pesticides through contributions to the countywide Program, BASMAA and CASQA. For additional information, see the Regional Pollutants of Concern Report submitted by BASMAA on behalf of all MRP Permittees.</p> <p>The City of Redwood City has begun hosting the SMCWPPP IPM/ Parks Work Group meetings and the Redwood City parks manager chairs the meetings.</p>

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**C.9.f ▶ Interface with County Agricultural Commissioners**

Did your municipal staff observe any improper pesticide usage or evidence of improper usage (e.g., pesticides in storm drain systems, along street curbs, or in receiving waters) during this fiscal year?		Yes	X	No
If yes, provide a summary of improper pesticide usage reported to the County Agricultural Commissioner and follow-up actions taken to correct any violations. A separate report can be attached as your summary.				
Municipal staff members did not witness any improper pesticide usage or any discharges into any storm system.				

**C.9.h.ii ▶ Public Outreach: Point of Purchase**

Provide a summary of public outreach at point of purchase, and any measurable awareness and behavior changes resulting from outreach (here or in a separate report); <b>OR</b> reference a report of a regional effort for public outreach in which your agency participates.
Summary: See the C.9 Pesticides Toxicity Control section of Program's FY 11-12 Annual Report for information on point of purchase public outreach conducted countywide and regionally.

**C.9.h.vi ▶ Public Outreach: Pest Control Operators**

Provide a summary of public outreach to pest control operators and landscapers and reduced pesticide use (here or in a separate report); <b>OR</b> reference a report of a regional effort for outreach to pest control operators and landscapers in which your agency participates.
Summary: See the C.9 Pesticides Toxicity Control section of Program's FY 11-12 Annual Report for a summary of our participation in and contributions towards countywide and regional public outreach to pest control operators and landscapers to reduce pesticide use.

**Response to Water Board Staff Comments on Section 9, Provision C.9, of FY 10-11 Annual Report**

Use this area to respond to any Water Board staff comments on Section 9 of your FY 10-11 Annual Report, and refer to any required submittals that are attached.
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**Section 10 - Provision C.10 Trash Load Reduction**

**C.10.a.i ► Short-Term Trash Loading Reduction Plan**

*(For FY 10-11 Annual Report only)* Provide description of actions/tasks initiated/conducted/completed in developing a Short-Term Trash Loading Reduction Plan (due February 1, 2012).

Description:

The Short –Term Trash Loading Reduction Plan was submitted to the Water Board on February 1, 2012. See the C.10 Trash Load Reduction section of Program's FY 11-12 Annual Report for information on countywide and regional activities conducted on behalf of co-permittees.

**C.10.a.ii ► Baseline Trash Load and Trash Load Reduction Tracking Method**

*(For FY 10-11 Annual Report only)* Provide description of actions/tasks initiated/conducted/completed to gather trash loading data and in developing a Baseline Trash Load and Trash Load Reduction Tracking Method (due February 1, 2012).

Description:

The Baseline Trash Load and Trash Load Reduction Tracking Method was submitted to the Water Board on February 1, 2012. See the C.10 Trash Load Reduction section of Program's FY 11-12 Annual Report for information on countywide and regional activities conducted on behalf of co-permittees.

**C.10.a.iii ► Minimum Full Trash Capture**

*(For FY 10-11 Annual Report and Each Annual Report Thereafter)* Provide description of actions/tasks initiated/conducted/completed in implementing Minimum Full Trash Capture Devices (due July 1, 2014) within individual jurisdictions. Include information on Full Trash Capture Devices installed under the Bay-area Wide Trash Capture Demonstration Project administered by San Francisco Estuary Partnership and an estimate of the total land area that is planned for treatment by July 1, 2014.

Description:

See the C.10 Trash Load Reduction section of Program's FY 11-12 Annual Report for information on countywide and regional activities conducted on behalf of co-permittees.

The City of Redwood City has purchased 145 full trash capture devices from West Coast Storm with funding provided through the San Francisco Bay-area Wide Trash Capture Demonstration Project administered by San Francisco Estuary Partnership (SFEP). We anticipate on having these devices installed by October 2012. The total coverage area is above 95 acres, coverage area, as required per the MRP.

**C.10.b.iii ► Trash Hot Spot Assessment**

(For FY 10-11 Annual Report and Each Annual Report Thereafter) Provide volume of material removed from each Trash Hot Spot cleanup, and the dominant types of trash (e.g., glass, plastics, paper) removed and their sources to the extent possible.

Fill out the following table or attach a summary of the following information.

Trash Hot Spot	Cleanup Date	Volume of Material Removed	Dominant Type of Trash	Trash Sources (where possible)
Bay Front Canal (Doris Ct) 37.489132,-122.206495 ID: RWC-Basin H-0002 Volunteers cleaned over 500 ft of creek/canal.	8/28/2011 1 Day Event	-	Plastic bags and bottles	Upstream storm drain system and pump stations, drainage for 4 jurisdictions
Little River, (California & James) 37.485118,-122.23261 ID: RWC-Basin D-0001 Volunteers cleaned over 400 ft of creek/canal.	8/28/2011 1 Day Event	-	Plastic bags,	Near retail stores and major transportation hub, and local high school
Redwood Creeks( Veteran & Main) 37.490274,-122.225898 ID: RWC-Basin F/G – 0001 Volunteers cleaned over 400 ft of creek/canal.	8/28/2011 1 Day Event	-	Paper bags, fast food items and cigarette butts,	Adjacent to fast food restaurants and commercial office buildings
	<b>Total</b>	<b>7.3 cubic yards</b>	(included large items like grocery cart and children's toys.)	

In FY 11-12, the amount of trash removed from each site was not logged. Only the bulk amount was recorded by the City's garbage collector (Recology). Going forward, the coordinator assigned to each site will record the types of trash and estimate the amount of trash removed.

**C.10.d ► Summary of Trash Reduction Actions and Loads Reduced**

Provide a summary of trash load reduction actions (i.e., control measures and best management practices) implemented within your jurisdictional boundaries during the reporting period to achieve a 40% trash load reduction goal by July 1, 2014. For those actions implemented in FY 2011-12, include brief descriptions of levels of implementation and the total trash loads and dominant types of trash removed from each action.

New or Enhanced Trash Load Reduction Action	Description of New or Enhanced Action Implemented in FY 11-12	Estimated Trash Load Removed in FY 11-12 (Gallons) <sup>57</sup>	Estimated Percent Reduction as of FY 11-12 <sup>58</sup>	Estimated Dominant Types of Trash Removed in FY 11-12
Existing Enhanced Street Sweeping	Posting of parking enforcement signs for street sweeping is limited to two short stretches of street within the City on Marshall and Douglas St. Parking enforcement equivalent occurs mostly in the downtown area, on major arterial roads and approaches near State Route 82 (El Camino Real), State Route 84 (Woodside Road) and east & west of US 101, within commercial and industrial areas of the City, and on arterial roads in Redwood Shores.	653	2.6%	Paper, fast-food containers, cigarette butts and plastics.
Public Education and Outreach Programs	See attachment: <u>Regional and Countywide Public Education and Outreach Programs (CR-3), FY 2011-12 Status Summary</u> .	1,977	7.8%	Paper, fast-food containers and plastic bottles
Creek/Channel/Shoreline Cleanups	YR 11-12 California Coastal Cleanup The City continues its effort to implement Spring and Fall Clean-up events. On average, nine sites are identified in each event and over 200 volunteers from the community join effort to reduce trash from reaching to the bay. In addition to the Spring and Fall Clean-up, Redwood Shores Community Association held an annually levee cleanup day event.	1,467	5.8%	Plastic products, Styrofoam and large items like grocery carts and children's toys.
Preliminary Estimate of Trash Load Removed (Gallons) in FY 2011-12		4,097		
Preliminary Baseline Trash Load Estimate (Gallons)		25,366		
Total Percentage Reduction in FY 2011-12 (Compared to Baseline Trash Load)		16.2%		

<sup>57</sup>The estimated load removed and percent reduction in FY 11-12 is consistent with assumptions described in the Trash Load Reduction Tracking Method Technical Report (version 1.0) submitted to the Water Board on February 1, 2012. In the future, load reductions reported in Annual Reports may be adjusted based on revisions to the tracking methodology.

**Section 11 - Provision C.11 Mercury Controls**

**C.11.a.i ► Mercury Recycling Efforts**

List below or attach lists of efforts to promote, facilitate, and/or participate in collection and recycling of mercury containing devices and equipment at the consumer level (e.g., thermometers, thermostats, switches, bulbs).

Refer to the Countywide Program's Annual Report for information regarding the promotion of collection and recycling of mercury containing devices by the County Household Hazardous Waste Program.

**C.11.a.ii ► Mercury Collection**

Provide an estimate of the mass of mercury collected through these efforts, or provide a reference to a report containing this estimate.

Please refer to the FY 11-12 Countywide Program Annual Report for an estimate of the mass of mercury collected through collection and recycling efforts by the County Household Hazardous Waste Program.

Mercury Containing Device/Equipment	Total Amount of Devices Collected	Estimated Mass of Mercury Collected
Fluorescent Lamps <sup>58</sup> (linear feet)	N/A	
CFLs <sup>59</sup> (each)	N/A	
Thermostats <sup>60</sup> (each)	N/A	
Thermostats (lbs)	N/A	
Thermometers (each)	N/A	
Switches (lbs)	N/A	
<b>Total Mass of Mercury Collected During FY 2011-2012:</b>		

<sup>58</sup> Only linear fluorescent lamps should be included

<sup>59</sup> Only compact fluorescent lamps should be included

<sup>60</sup> Thermostats can be reported by quantity or by pounds. Whichever unit is used, please avoid double-counting.

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- C.11.b ▶ Monitor Methylmercury**
- C.11.c ▶ Pilot Projects to Investigate and Abate Mercury Sources in Drainages**
- C.11.d ▶ Pilot Projects to Evaluate and Enhance Municipal Sediment Removal and Management Practices**
- C.11.e ▶ Conduct Pilot Projects to Evaluate On-Site Stormwater Treatment via Retrofit**
- C.11.f ▶ Diversion of Dry Weather and First Flush Flows to POTWs**
- C.11.g ▶ Monitor Stormwater Mercury Pollutant Loads and Loads Reduced**
- C.11.h ▶ Fate and Transport Study of Mercury In Urban Runoff**
- C.11.i ▶ Development of a Risk Reduction Program Implemented Throughout the Region**
- C.11.j ▶ Develop Allocation Sharing Scheme with Caltrans**

State below if information is reported in a separate regional report. Municipalities that participate directly in regional activities to can provide descriptions below.

Summary

A summary of countywide Program and regional accomplishments for these sub-provisions are included within the C.11 Mercury Controls section of Program's FY 11-12 Annual Report and/or the BASMAA Regional POC Report.

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**Section 12 - Provision C.12 PCBs Controls**

**C.12.a.ii,iii ▶ Ongoing Training**

*(For FY 10-11 Annual Report and Each Annual Report Thereafter)* List below or attach description of ongoing training development and inspections for PCB identification, including documentation and referral to appropriate regulatory agencies (e.g. county health departments, Department of Toxic Substances Control, California Department of Public Health, and the Water Board) as necessary.

Description:

See the FY 11-12 Program Annual Report for a description of training provided countywide at the April 25, 2012 Workshop.

**C.12.b ▶ Conduct Pilot Projects to Evaluate Managing PCB-Containing Materials and Wastes during Building Demolition and Renovation Activities**

**C.12.c ▶ Pilot Projects to Investigate and Abate On-land Locations with Elevated PCB Concentrations**

**C.12.d ▶ Conduct Pilot Projects to Evaluate and Enhance Municipal Sediment Removal and Management Practices**

**C.12.e ▶ Conduct Pilot Projects to Evaluate On-Site Stormwater Treatment via Retrofit**

**C.12.f ▶ Diversion of Dry Weather and First Flush Flows to POTWs**

**C.12.g ▶ Monitor Stormwater PCB Pollutant Loads and Loads Reduced**

**C.12.h ▶ Fate and Transport Study of PCBs In Urban Runoff**

**C.12.i ▶ Development of a Risk Reduction Program Implemented Throughout the Region**

State below if information is reported in a separate regional report. Municipalities that participate directly in regional activities to can provide descriptions below.

Summary

A summary of countywide Program and regional accomplishments for these sub-provisions are included within the C.12 PCB Controls section of Program's FY 11-12 Annual Report and/or the BASMAA Regional POC Report.

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**Section 13 - Provision C.13 Copper Controls**

**C.13.a. iii.(1) ► Legal Authority: Architectural Copper**

<i>(For FY 10-11 Annual Report only)</i> Do you have adequate legal authority to prohibit discharge of wastewater to storm drains generated from the installation, cleaning, treating, and washing of the surface of copper architectural features, including copper roofs to storm drains?	X	<b>Yes</b>		<b>No</b>
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If **No**, explain and provide schedule for obtaining authority within 1 year.

**C.13.a.iii.(2) ► Training, Permitting and Enforcement Activities**

*(FY 11-12 Annual Report and each Annual Report thereafter)* Provide summaries of activities implemented to manage waste generated from cleaning and treating of copper architectural features, including copper roofs, during construction and post-construction including. :

- Development of BMPs on how to manage the water during and post construction
- Requiring the use of appropriate BMPs when issuing building permits
- Educating installers and operators on appropriate BMPs
- Enforcement actions taken again noncompliance

The Countywide Program collaborated with BASMAA to develop BMPs to manage waste generated from cleaning and treating of copper architectural features, including copper roofs, during construction and post construction. The Countywide Program, in collaboration with the Santa Clara Valley Urban Runoff Pollution Prevention Program, prepared an educational flyer on the BMPs. Staff was trained on the BMPs by attending the construction site inspection training on February 8.

The City will implement the following activities in FY 12-13 and going forward:

- Planning/Inspector will hand-out information on architectural copper BMPs(if applicable) when issuing permits.
- Code enforcement and engineering will participate in relevant countywide held inspection training.
- Enforcement actions will be implemented according to City's enforcement response plan.

**C.13.b. iii. ► Legal Authority: Pools, Spas, and Fountains**

<i>(For FY10-11 Annual Report only)</i> Do you have adequate legal authority to prohibit discharges to storm drains from pools, spas, and fountains that contain copper-based chemicals?	X	<b>Yes</b>		<b>No</b>
--	---	------------	--	-----------

If **No**, explain and provide schedule for obtaining authority within 1 year:

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**C.13.c ► Vehicle Brake Pads**

Reported in a separate regional report.

A summary of the countywide Program's participation with the Brake Pad Partnership (BPP) is included within the C.13 Copper Controls section of Program's FY 11-12 Annual Report and/or the BASMAA Regional POC Report.

**C.13.d.iii ► Industrial Sources Copper Reduction Results**

Based upon inspection activities conducted under Provision C.4, highlight copper reduction results achieved among the facilities identified as potential users or sources of copper, facilities inspected, and BMPs addressed.

Summary

During this reporting period, CEH conducts inspection for the City have identified and inspected 4 POC facilities, and concluded that all these facilities implemented proper BMPs with no discharge.

**C.13.e ► Studies to Reduce Copper Pollutant Impact Uncertainties**

Report on progress of studies being conducted countywide or regionally to reduce copper pollutant impact uncertainties. State below if information is reported in a separate regional report.

Summary

A summary of the countywide Program and/or regional efforts to develop regional studies to reduce copper pollutant impact uncertainties is included within the C.13 Copper Controls section of Program's FY 11-12 Annual Report and/or BASMAA Regional POC Report.

**Section 14 - Provision C.14 PBDE, Legacy Pesticides and Selenium Controls**

**C.14.a ► Control Programs for PBDEs, Legacy Pesticides and Selenium Controls**

Report on progress of studies being conducted countywide or regionally to characterize the distribution and pathways of PBDEs, legacy pesticides, and selenium. State below if information is reported in a separate regional report.

Summary

A summary of the countywide Program and regional efforts related to the Control Program for PBDEs, Legacy Pesticides and Selenium is included within the C.14 PBDE, Legacy Pesticides and Selenium section of Program's FY 11-12 Annual Report and/or BASMAA Regional POC Report.

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**Section 15 - Provision C.15 Exempted and Conditionally Exempted Discharges**

**C.15.b.iii.(1), C.15.b.iii.(2) ► Planned and Unplanned Discharges of Potable Water**

Is your agency a water purveyor?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
If <b>No</b> , skip to C.15.b.vi.(2):				
If <b>Yes</b> , Complete the attached reporting tables or attach your own table with the same information. Provide any clarifying comments below.				
Comments:				

**C.15.b.vi.(2) ► Irrigation Water, Landscape Irrigation, and Lawn or Garden Watering**

Provide implementation summaries of the required BMPs to promote measures that minimize runoff and pollutant loading from excess irrigation. Generally the categories are:

- Promote conservation programs
- Promote outreach for less toxic pest control and landscape management
- Promote use of drought tolerant and native vegetation
- Promote outreach messages to encourage appropriate watering/irrigation practices
- Implement Illicit Discharge Enforcement Response Plan for ongoing, large volume landscape irrigation runoff.

Summary:

The city has an active water conservation program. Every two months, utility customers receive a water conservation newsletter with their bimonthly billings offering tips, guidance and information on city conservation efforts. The city's website includes a dedicated conservation webpage at [http://www.redwoodcity.org/publicworks/water/water\\_conservation.htm](http://www.redwoodcity.org/publicworks/water/water_conservation.htm)

- Provide a water budget for all residential and commercial irrigation customers that is based on specific site factors: landscape size; type; and weather.
- Enforce water budgets through a tiered rate structure with charges that become increasingly punitive the further water use is outside of the budget.
- Conduct irrigation audits and provide recommendations for improving efficiency at residential and commercial properties.
- Conducted residential and commercial workshops for irrigation best management practices and native plant materials.
- Employ the use of Automated Metering Infrastructure to identify irrigation system leaks and notify customers via email.



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**C.15.b.iii.(2) ▶ Unplanned Discharges of the Potable Water System**

	Date	Location	Receiving Water Body	Description of Work or Event	Time Started / Discovered	Time of 1st Response	Time Ended	GPM	Total Gallons	Monitoring				Best Management Practices Used											
										Chlorine (Before dechlor)	Chlorine (After dechlor)	pH	Turbidity	Silt Bags	Dammi ng	Filter Bags	Sodium Dechlor.	Ascorbic Acid Dechlor.	Discharge to Sewer / Tank	Sweep Gutter	Vacuum / Vactor	Baker Tank	Other		
17	1/27/11	441 jackson	redwood creek	main break	4:15 AM	7:30 AM	10:30 AM			1.9	0	8		x			x								
18	7/8/2011	640 SOUTHDALE WY	storm drain	water main break																					
19	7/14/2011	3001 OAK KNOLL DR	storm drain	water main break																					
20	7/22/2011	710 HAMILTON AVE	storm drain	water main break																					
21	7/27/2011	640 BEECH ST	storm drain	water main break				0	0																
22	8/15/2011	6 HILLVIEW AVE	storm drain	water main break																					
23	8/15/2011	159 WESTGATE ST	storm drain	water main break																					
24	9/5/2011	404 SOUTH PL	storm drain	water main break				0	0																
25	9/6/2011	1515 HUDSON ST	storm drain	water main break				0	0																
26	9/7/2011	533 MIDDLEFIELD ROAD, RC	storm drain	water main break				0	0																
27	9/18/2011	2548 HAMPTON AVE	storm drain	water main break																					
28	9/23/2011	445 WEST MAPLE WY	storm drain	water main break																					
29	9/26/2011	3695 BRANDY ROCK WY	storm drain	water main break																					
30	9/27/2011	919 JOHNSON ST	storm drain	water main break				0	0																
31	9/29/2011	1484 KENTFIELD AVE	storm drain	water main break																					
32	11/2/2011	947 EL CAMINO REAL	storm drain	water main break																					
33	11/6/2011	677 EDGECLIFF WY	storm drain	water main break																					
34	11/8/11	gordon	storm drain	water main break	12:00 AM	8:00 AM	11:00 AM	50	33000	1.5	0			x	x		x					x			
35	11/16/2011	777 HAMILTON AVE	storm drain	water main break																					
36	11/29/2011	1181 CROMPTON RD	storm drain	water main break																					
37	12/10/11	1991 fernside	redwood creek	6"beam break	1:00 PM	1:30 PM	9:00 PM	25	13500	2.3	0.8	7.5	45	x			x								
38	12/19/11	1011/fifth av	bay	main break		8:00 AM	12:00 PM										x								
39	12/19/2011	1101 5TH AVE	storm drain	water main break																					
40	12/21/2011	OAK RIDGE & JEFFERSON	storm drain	water main break																					
41	12/21/2011	HUDSON & WOODSIDE	redwood creek	water main break																					
42	12/23/2011	ORCHARD & WELLS	storm drain	water main break																					
43	12/24/2011	1465 CONNECTICUT DR	storm drain	water main break																					
44	12/26/2011	700 CARLOS AVE	storm drain	water main break																					
45	12/26/2011	1584 UNION AVE	storm drain	water main break																					
46	3/1/12	2310 elcamino	storm drain	main break	5:00 AM	7:15 AM	2:00 PM		47000		0	8.2					x					x			
47	3/2/2012	2310 EL CAMINO REAL	storm drain	water main break				0	0																



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## Attachment

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Provision C.2.f. Corporation Yard BMP Implementation

## Municipal Corporation Yard Inspection Form

Municipality: City of Redwood City

Location of Corporation Yard Inspected: 1400 Broadway Street, Redwood City, CA

Date and Time of Inspection: 07/12/2012

Name of Person and Position Conducting Inspection: Ken Weber, Fleet Supervisor  
Richard DelBen, Specialist /  
Storm Water Management Section

**A. General Good Housekeeping BMPs Being Implemented** (Check all that were observed/determined):

- Clean and orderly corporation yard maintained
- Materials with potential to discharge to stormwater covered prior to rains
  - Not able to determine during inspection
- Containers are not overfilled and lids are kept closed when not in use
- Storm drain inlet labels are maintained
- A sufficient number of covered litter receptacles are used and maintained
- Materials and wastes are stored as far away from storm drain inlets as practicable
- Vehicles and equipment are maintained to minimize drips and leakage
- Spill containment kits/clean up materials available at locations where there are potential for spills
- Dry clean up methods are used for any spills or leaks
- Corporation yard maintenance staff has been trained to use BMPs listed in the Corporation Yard's Site Specific Stormwater Pollution Prevention Plan
- Describe any improvements needed: Catch basin screens should be clean up monthly during wet season

**B. Vehicle and Equipment Washing** (Check all that were observed/determined):

- Vehicle and/or equipment washing occurs at the corporation yard, if not skip to next section**
  - Washing activities are located under a roof or in a building equipped with a municipal sewer connection
  - Vehicle washing area is adequately sized for vehicles being washed and to minimize drag-out from washed vehicles so there is no flow to storm drain inlets
  - All vehicle washing systems are maintained and cleaned out on a regular schedule
  - Outdoor equipment washing occurs and the following BMPs are used:
    - Wash area is paved and surrounded by berms or graded to prevent washwater from flowing off and stormwater from adjoining areas from flowing onto the wash area
    - Wash area is sloped to collect washwater
    - Washwaters drain to a dead-end sump or an oil-water separator connected to sanitary sewer

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Describe any improvements needed: \_\_\_\_\_

**C. Vehicle and Equipment Maintenance and Repair** (Check all that were observed/determined):

**Vehicle and/or equipment maintenance occurs at corporation yard, if not skip to next section**

- Vehicle and/or equipment maintenance are conducted indoors whenever feasible
- Drain and drip pans or open containers of fluids are not left lying around
- Vehicle and/or equipment maintenance and repair area is swept at least weekly
- Drip pans are used under leaky vehicles and equipment, and absorbent pads and materials are used as appropriate
- All fluids from wrecked vehicles are drained immediately using an adequately sized drain or drip pan
  - Not able to determine during inspection
- Used absorbent material from cleaning small spills is promptly and properly removed
- Vehicle and equipment maintenance are not performed outdoors during rain events unless required by emergency conditions
  - Not able to determine during inspection
- If temporary work must be conducted outdoors, a tarp, ground cloth, or drip pan is placed under the vehicle or equipment to capture spills and drips
  - Not able to determine during inspection
- Describe any improvements needed: \_\_\_\_\_

**D. Fuel Dispensing** (Check all that were observed/determined):

**Fuel dispensing occurs at the corporation yard, if not skip to the next section**

- Fuel dispensing area is covered by a roof or canopy so that rainwater cannot contact the fueling area
- Fueling area is paved with Portland cement (or an equivalent smooth, impervious surface) with a 2 to 4% slope to prevent ponding, and it is separated by a grade break from the rest of the site
- Signs are posted to remind employees not to top off fuel tank
- Current spill response plan is available for fuel dispensing
- Fueling area is inspected daily during use and any deficiencies found are corrected
- Describe any improvements needed: \_\_\_\_\_

**E. Municipal Vehicle, Heavy Equipment, and Employee Parking** (Check all that were observed/determined):

- Parking lots are swept at least weekly to prevent accumulation of trash and litter
- When surface cleaning is conducted, BASMAA's "Pollution from Surface Cleaning" BMPs are used
  - Not able to determine during inspection

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- Paving and other equipment that has the potential to drip have drip pans or absorbent materials placed under the equipment to contain any leaks or spills
- Heavy equipment is inspected for leaks during each work day and repairs are made as soon as possible
- Drip pans or absorbent material are used under leaking vehicles and equipment until repairs are made
- Parking lots are inspected at least weekly to assure BMPs are used
- Describe any improvements needed: \_\_\_\_\_

**F. Waste and Recycling Storage (Check all that were observed/determined):**

- Dumpster and waste recycling areas are inspected, swept, and picked up daily during work days
- Rubbish and recyclables that have been collected from streets and storm drains are stored under a roof or cover, if possible
- Street sweeping waste and materials removed during storm drain cleaning are stored on a concrete or asphalt pad in a contained area. Water including decanted water from collected wastes drains to sanitary sewer or is allowed to evaporate so it doesn't flow to storm drain inlets
- Hazardous wastes are stored in compliance with hazardous waste regulations
- Describe any improvements needed: \_\_\_\_\_

**G. Outdoor Material Storage (Check all that were observed/determined):**

**Material is stored outdoors at corporation yard, if not do not complete this section**

- To the extent feasible materials that must be stored outside are stored in a roofed area that is bermed to prevent contact with stormwater
- Stockpiles of raw materials that cannot be stored under a roof are kept covered when the material is not being used
- If stockpiles are so large that they cannot feasibly be stored under a roof or covered, erosion control BMPs are used at the perimeter of the stockpile and sediment controls BMPs at downstream storm drain inlet(s)
- Fluids are stored within secondary containment to prevent accidental release
- Caution and control are used when transferring liquids to minimize spills
  - Not able to determine during inspection
- Containers are kept out of pooled or standing water
  - Not able to determine during inspection
- Storage areas are inspected regularly to detect any leaks and spills
- Describe any improvements needed: \_\_\_\_\_

Additional Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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## Attachment

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Provision C.4 Industrial and Commercial Site Controls

1. C.4.b.iii(1) – Potential Facilities List
2. C.4.b.iii(2) – Facilities Scheduled for Inspection (FY 12-13)

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**Provision C.4.b.iii.(1) Potential Facilities List**

<b>FACILITY</b>	<b>ADDRESS NO.</b>	<b>STREET</b>
5TH AVE 76	844	5TH
A & B TRAILER HITCH INC	3051	EDISON
A & D AUTOMATIC GATE CO	2490	MIDDLEFIELD
A AUTO SERVICE	540	EL CAMINO REAL
A P PHARMA	123	SAGINAW
A1 RENTAL CENTER	1125	ARGUELLO
AAA RENTALS	82	5TH
A-ABCO RENTS & SELLS	1050	CHARTER
ABBOTT LABORATORIES	400	SAGINAW
ABC COMPANIES	3508	HAVEN
ACE AUTO BODY	2900	SPRING
ACEL RX	575	CHESAPEAKE
ACTION TOWING	1790	INDUSTRIAL
AI LLC	1709	BAYSHORE
AIRE SHEET METAL INC	1973	BAYSHORE
AIRGAS, NCN	50	CHEMICAL
ALAN STEEL & SUPPLY CO	505	BAYSHORE
ALANAS CAFE	1020	MAIN
ALPHA OMEGA	451	1ST
ALPINE CONSTRUCTION	927	ARGUELLO
AMELIAS MEXICAN RESTAURANT	2042	BROADWAY
AMERICAN LEGION #105 RWC POST	651	EL CAMINO REAL
AMICIS EAST COAST PIZZERIA	226	REDWOOD SHORES
AMPEX DATA SYSTEMS CORP	500	BROADWAY
ANDY BP	895	WOODSIDE
ANNUZZIS CUSTOM CABINET	2127	MIDDLEFIELD
APATZINGAN #2	739	CHESTNUT
APPLEBEES	1155	VETERANS
ARANA THERAPEUTICS	735	GALVESTON
ARCO #6023	1801	WOODSIDE
ARCO AM/PM #0573	610	WOODSIDE
ARCO STATION #306	1700	MIDDLEFIELD
ARGO MACHINES	824	WILLOW
ARGUELLO CATERING CO SOUTH	1757	BAYSHORE
ARTEAGAS STARLITE SUPERMARKET	812	5TH
ATHERTON SUBS	995	MARSH MANOR

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ATHERTON U SAVE LIQUOR	3107	EL CAMINO REAL
AUTO HEADQUARTERS	650	BROADWAY
AUTO MASTER	67	EL CAMINO REAL
AUTO QUEST	876	KAYNYNE
AUTOHAUS KLAUS NAGEL	1690	INDUSTRIAL
AUTOZONE #4026	901	EL CAMINO REAL
AVENUE LIQUOR	2147	ROOSEVELT
AVENUE SILVER PLATING	861	HURLINGAME
AVINGER	400	CHESAPEAKE
AYAR PRODUCE & MEAT MARKET	2727	EL CAMINO REAL
B & D AUTOMOTIVE	1510	MAIN
BAEZA AUTOMOTIVE	816	HURLINGAME
BAGEL STREET CAFE	254	REDWOOD SHORES
BANGKOK BAY INC	825	EL CAMINO REAL
BAROSENSE INC	250	CHESAPEAKE
BASKIN ROBBINS #140	2107	ROOSEVELT
BAY AREA CIRCUITS INC	91	WINSLOW
BAY LEAF CAFE & CATERING	1201	RADIO
BAY PRECISION MACHINING	815	SWEENEY
BAYSIDE EQUIPMENT CO	3562	HAVEN
BEN FRANKS RESTAURANT	491	EL CAMINO REAL
BENS AUTO TECH	413	LATHROP
BENZ AUTO BODY	1850	INDUSTRIAL
BEST MOWER SHOP	474	FIRST
BEVERAGES & MORE	1745	EL CAMINO REAL
BIG LOTS #4313	1525	BROADWAY
BIG O TIRES	2310	EL CAMINO REAL
BIOSTRIDE INC	1201	DOUGLAS
BK 6292	2102	MIDDLEFIELD
BLOCKBUSTER LLC	1073	EL CAMINO REAL
BOARDWALK MOTORCAR GROUP	1	BAIR ISLAND
BON APPETIT @ EA COMMONS CAFE	211	REDWOOD SHORES
BON APPETIT 200	200	ORACLE
BON APPETIT 300 CAFE	300	ORACLE
BON APPETIT 350 CAFE	350	ORACLE
BON APPETIT 400 CAFE	400	ORACLE
BON APPETIT 500 CAFE	500	ORACLE
BON APPETIT MGMT	10	TWIN DOLPHIN

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BRAVO TAQUERIA	980	WOODSIDE
BROADWAY AUTO INC	1101	BROADWAY
C F ARCHIBALD PAVING INC	3624	HAVEN
C G & E AUTO BODY	545	STANDISH
CAFE N S	701	CHESAPEAKE
CAFFINO	2797	EL CAMINO REAL
CALIDAD MARKET	2512	EL CAMINO REAL
CALIFORNIA AUTO DETAILERS	113	BEECH
CALIFORNIA HIGHWAY PATROL	355	CONVENTION
CALIFORNIA WATER SVC CO -STA 117		CRESTVIEW DR & EDGEWOOD
CALTRANS REDWOOD CITY MAINT	2501	BAYSHORE
CANYON AUTO SERVICE	590	CANYON
CANYON COFFEE ROASTERY	3203	OAK KNOLL
CANYON GAS & PROPANE	590	CANYON
CANYON INN	587	CANYON
CAR DAY CARE TIRE CENTER	535	WHIPPLE
CARGILL SALT	295	SEAPORT
CARLMONT VILLAGE CLEANERS	867	2ND
CARLS JR RESTAURANT	1001	VETERANS
CARLSEN MOTOR CARS, INC.	3636	HAVEN
CARLSEN SUBARU	480	VETERANS
CARNICERIA LA GUADALUPE	55	5TH
CASA DE REDWOOD	1280	VETERANS
CASSIS CATERING	1757	BAYSHORE
CASTILLOS AUTO ELECTRIC	24	WILLOW
CEMEX	876	SEAPORT
CEMEX CONST. MATERIALS PAC LLC	775	SEAPORT
CENTRAL CONCRETE SUPPLY	635	SEAPORT
CENTRUM LIFT STATION	184	ORACLE
CERRONE EUROPEAN	2306	EL CAMINO REAL
CHANIQUES AUTO REPAIR	425	DUMBARTON
CHANTILLY INC	3001	EL CAMINO REAL
CHAVEZ MEAT MARKET	775	ARGUELLO
CHAVEZ MEXICAN BAKERY	817	ARGUELLO
CHAVEZ SUPERMARKET	46	5TH
CHEF CHENS	820	VETERANS
CHEF PEKING RESTAURANT	515	VETERANS

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CHESTNUT AUTOMOTIVE BRAKE/ALIGNMENT	160	CHESTNUT
CHEVRON STATION	2215	EL CAMINO REAL
CHEVRON STATION #91374	990	VETERANS
CHEVRON -WHIPPLE AVE	585	WHIPPLE
CHINS RESTAURANT	855	MAIN
CHIPOTLE MEXICAN GRILL	861	MIDDLEFIELD
CHRISTINAS DELI	2701	EL CAMINO REAL
CHUCK E CHEESE	2541	EL CAMINO REAL
CHUCKS DONUTS	801	WOODSIDE
CITY PUB & CAFE	2620	BROADWAY
CLEAN HARBORS ENV SERVICES INC	695	SEAPORT
COASTAL CIRCUITS	1602	TACOMA
CODEXIS, INC	501	CHESAPEAKE
CODEXIS, INC	200	PENOBSCOT
CODEXIS, INC	400	PENOBSCOT
CONTINENTAL TOOL CO	20	CHEMICAL
COOKS COLLISION	1104	MAIN
COOKS UPHOLSTERY	1823	EL CAMINO
COPENHAGEN RESTAURANT	356	WOODSIDE PLAZA
CORDILLERAS HOSPITAL	200	EDMONDS
COSTCO WHOLESALE	2300	MIDDLEFIELD
COUNTY OFFICE BLDG #2	555	COUNTY CENTER
COUNTY OFFICE BLDG.#1	455	COUNTY CENTER
CVS/PHARMACY #9329	1039	EL CAMINO REAL
CYCLE GEAR	1326	EL CAMINO REAL
D AMBRA IRON WORKS	420	WARRINGTON
DAIRY QUEEN KITCHEN	640	WOODSIDE
DARRINS TRUCKING SERVICE	766	WARRINGTON
DEGNAN PRINTERS	2893	EL CAMINO REAL
DELICIAS FRUIT BAR	334	BERKSHIRE
DENNYS	1201	BROADWAY
DOCKTOWN MARINA INC	1548	MAPLE
DOMINOS PIZZA	100	5TH
DONUT KING	3123	JEFFERSON
EARL SCHEIB AUTO PAINTING	899	BROADWAY
ECONO LUBE & TUNE	1331	EL CAMINO REAL

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EDGEWOOD WATER STATION		EDGEWOOD
EDS SUB CENTER	2034	BROADWAY
EL CAMINO AUTO BODY	51	CHARTER
EL CAMINO MARTCO	602	EL CAMINO REAL
EL CHINO AUTO REPAIR	2903	CROCKER
EL DORADO FORKLIFT CO	3582	HAVEN
EL GRULLENSE E & E	2401	MIDDLEFIELD
EL HUECO A PERUVIAN RESTAURANT	593	WOODSIDE
EMERALD CITY LIQUORS	3025	JEFFERSON
EMERALD HILLS GOLF COURSE	938	WILMINGTON
ENVIRONMENTAL HEALTH STORAGE	310	PINE
EOPLEX TECHNOLOGIES INC	3698	HAVEN
EQUITY OFFICE PROPERTIES	333	TWIN DOLPHIN
EQUITY OFFICE PROPERTIES TRUST	203	REDWOOD SHORES
ERICS AUTO BODY & PAINT	1661	BROADWAY
ERIKS DELI CAFE	400	WALNUT
ESBRO	775	SEAPORT
ESTAMPAS PERUANAS	715	EL CAMINO REAL
EVEREST PUBLIC HIGH SCHOOLS	455	5 <sup>TH</sup>
EXPERT WOODWORKING	924	BROADWAY
F M W MACHINE SHOP	894	DOUGLAS
FACILITIES DEPT-CANADA	4200	FARMHILL
FERRARI MASERATI OF SILICON VALLEY	2750	EL CAMINO REAL
FERRARI-MASERATIO	2750	EL CAMINO REAL
FIFTH AVE PUMP STATION	3011	BAYSHORE
FIFTH QUARTER	976	WOODSIDE
FIRE STATION #11	1091	2ND
FIRE STATION #12	3700	JEFFERSON
FIRE STATION #20	680	REDWOOD SHORES
FIRE STATION #9	755	MARSHALL
FIRESTONE TIRES #3671	1458	EL CAMINO REAL
FIVE POINTS MARKET INC	1922	EL CAMINO REAL
FIVE POINTS TIRE IMPORTS	2115	EL CAMINO REAL
FLYERS #270	699	EL CAMINO REAL
FOLEY BROTHERS CUSTOM WORKS	32	WILLOW
FOOD STOP MARKETS	916	WHIPPLE
FOODS CO	1401	BROADWAY
FORTUNE RESTAURANT	2039	BROADWAY

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FRANKLIN ST COFFEE	1053	EL CAMINO REAL
FREDS GARAGE INC	416	D
FRESH & NATURAL CAFE	1150	VETERANS
FRESH CHOICE	1099	EL CAMINO REAL
FRIDA BAR & RESTAURANT	820	VETERANS
G H MACHINE CO	535	STANDISH
GALAXY CABINETS & CUSTOM WOODWORK	438	STANFORD
GARAFFO AUTO REPAIR	301	PINE
GARCIAS AUTO REPAIR	436	SAN MATEO
GAS 2 YOU	836	WILLOW
GENENTECH INC- BLDG 90	550	BROADWAY
GENERAL NUTRITION CENTER # 1613	260	REDWOOD SHORES
GENERAL NUTRITION CTR #6113	2539	EL CAMINO REAL
GENOMIC HEALTH	301	PENOBSCOT
GENOMIC HEALTH INC	101	GALVESTON
GLENLOCK WATER STATION		GLENLOCK OFF HILLCREST
GOLDEN GLAZE BAKERY & MARKET	2780	SAN MATEO
GOLDEN ROOFING	828	WILLOW
GP ENTERPRISES	3014	ROLISON
GRANITE ROCK ASPHALT&ROAD OILS	365	BLOMQUIST
GRANITE ROCK CORP	355	BLOMQUIST
GRAYS OF REDWOOD CITY	1411	WOODSIDE
GREAT MARQUES	815	DOUGLAS
GREAT WALL CHINESE RESTAURANT	670	EL CAMINO REAL
GRIFFIN PAINTING	3580	HAVEN
GROCERY OUTLET INC	1833	BROADWAY
GYPSUM PILE PORT OF RWC	675	SEAPORT
HACIENDA TAQUERIA	895	2ND
HALCYON MOLECULAR INC	505	PENOBSCOT
HALL OF JUSTICE	400	COUNTY CENTER
HAPPY DONUT	1330	EL CAMINO REAL
HAPPY DONUT	820	VETERANS
HARBOR READY MIX	123	SEAPORT
HARRYS HOFBRAU	1909	EL CAMINO REAL
HAWAIIAN DRIVE INN	711	EL CAMINO REAL
HEIMERHAUS	601	MAIN
HELENS ONE HOUR CLEANERS	1594	WOODSIDE
HENRY FORD SCHOOL	2498	MASSACHUSETTS

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HIGH QUALITY CUSTOM CABINETS	437	HURLINGAME
HIGUMA JAPANESE RESTAURANT	540	EL CAMINO REAL
HN LOCKWOOD INC	450	MAPLE
HOFBRAU CATERING	1695	BROADWAY
HOLIDAY INN EXPRESS	2834	EL CAMINO REAL
HONDA REDWOOD CITY	601	EL CAMINO REAL
HOOVER SCHOOL	701	CHARTER
HOPKINS ACCURA	1555	EL CAMINO REAL
HOT WOK GOURMET	300	WALNUT
HUDSON AUTO INC	582	WOODSIDE
IDEAL R V & TRAILER SUPPLY	3375	BAYSHORE
IHOP #684	491	VETERANS
IMAGE AUTO	623	MAIN
IN N OUT BURGER #246	949	VETERANS
INDUSTRIAL FINISHING INC.	2825	CROCKER
IVY SPORTS MEDICINE LLC	545	PENOBSCOT
J & G LIQUORS	1402	MAIN
JACK IN THE BOX #438	3199	EL CAMINO REAL
JACK IN THE BOX #469	986	WOODSIDE
JAMBA JUICE COMPANY #45	220	REDWOOD SHORES
JAMBA JUICE COMPANY #69	1007	EL CAMINO REAL
JESUS AUTO REPAIR GARAGE	2701	BUCKINGHAM
JIFFY LUBE	640	WHIPPLE
JIM LORD LANDSCAPE SERVICE	1826	INDUSTRIAL
JIMS MOBILE DIESEL REPAIR	1548	MAPLE
JOES FIAT SERVICE	819	5TH
JOHN BENTLEY RESTAURANT	2915	EL CAMINO REAL
JOHNNY ROCKETS	1111	EL CAMINO REAL
JOHNS 76	234	EL CAMINO REAL
K & A PETROLEUM INC/ TRITON GASOLINE	795	5TH
K & L LIQUORS	3005	EL CAMINO REAL
K MART #4349	1155	VETERANS
KAISER PERMANENTE HOSPITAL	1150	VETERANS
KARAKADE THAI CUISINE	593	WOODSIDE
KELLY MOORE PAINTS	1391	WOODSIDE
KENNEDY & ALLEN INC	1026	EL CAMINO REAL
KENNEDY SCHOOL	2521	GOODWIN
KENTUCKY FRIED CHICKEN	204	EL CAMINO REAL

**FY 2011-2012 Annual Report**

**Permittee Name: City of Redwood City**

KENTUCKY FRIED CHICKEN	659	WOODSIDE
KEY MARKET	1063	UPTON
KEY MARKETS	3640	FLORENCE
KINGS UNION 76	975	WOODSIDE
KNBR TRANSMITTER FACILITY	1410	RADIO
KUNOS INC	881	DOUGLAS
KYS AUTO REPAIR	2633	EL CAMINO REAL
LA AZTECA	1531	MAIN
LA CASITA CHILANGA #2	761	EL CAMINO REAL
LA COSTA RESTAURANT	2761	EL CAMINO REAL
LA FIESTA MEXICAN RESTAURANT	314	ARGUELLO
LA PASADITA MARKET-BAKERY	151	5TH
LA ROCA	55	5TH
LAKEVIEW RESERVOIR	815	LAKEVIEW
LALOS AUTO MECHANIC SHOP	700	WARRINGTON
LAND ROVER	440	CONVENTION
LE BOULANGER	2225	BROADWAY
LEGACY AUTO REPAIR	105	EL CAMINO REAL
LIFT STATION #25	1599	BRIDGE
LITTLE INDIA RESTAURANT	917	MAIN
LITTLE MADFISH	1021	EL CAMINO REAL
LOS GALLOS TAQUERIA	3726	FLORENCE
LUCIAS PIZZERIA	1725	WOODSIDE
LYNGSO GARDEN MATERIALS INC	19	SEAPORT
MAGIC AUTO PAINT & BODY	417	DUMBARTON
MAGUIRE CORRECTIONAL FACILITY	300	BRADFORD
MAIN ST COFFEE ROASTING CO	150	ELM
MAINTENANCE & OPERATION DIV	601	JAMES
MALIBU GRAND PRIX	340	BLOMQUIST
MANDALOUN RESTAURANT	2021	BROADWAY
MAR Y TIERRA TAQUERIA	1475	BROADWAY
MARCHI THERMAL SYSTEMS INC	620	PRICE
MARDI GRAS LOUNGE	1628	EL CAMINO REAL
MARGARITAS	2098	BROADWAY
MARIAS CAFE	834	5TH
MARINA STATION	473	SEAPORT
MARINE SCIENCE INSTITUTE	500	DISCOVERY
MARSH MANOR CLEANERS	3760	FLORENCE

**FY 2011-2012 Annual Report**

**Permittee Name: City of Redwood City**

MARSH MANOR LIQUORS	3700	FLORENCE
MARSHALLS	2545	EL CAMINO REAL
MARTINS WEST	831	MAIN
MATHESON TRI GAS DBA AERIS INC	947	BROADWAY
MCDONALD	185	CHESTNUT
MCDONALDS	709	WOODSIDE
MCDONALDS RESTAURANT	536	WHIPPLE
MENLO MAZDA	543	EL CAMINO REAL
METAL FUSION	425	HURLINGAME
MEXQUITE	2616	BROADWAY
MI RANCHO	150	CHARTER
MICS AUTO BODY	1800	INDUSTRIAL
MIDAS MUFFLER SHOP	2121	EL CAMINO REAL
MILAGROS RESTAURANT	1099	MIDDLEFIELD
MILK SHAKE WERKS	256	REDWOOD SHORES
MISTRAL RESTAURANT	370	BRIDGE
MORELLO METAL FAB INC	811	KAYNYNE
MOTOLAB	3046	ROLISON
MOTOR CITY	856	SWEENEY
MOTOR VERKSTAD VOLVO	132	WILSON
MOUNTAIN MIKES PIZZA	120	EL CAMINO REAL
MUFFLER EXPRESS	1414	EL CAMINO REAL
MUNICIPAL SERVICES CTR	1400	BROADWAY
NARANJOS TAQUERIA	2647	BROADWAY
NATIONAL AUTO BODY SHOP	20	DILLER
NIKKOS MEXICAN GRILL	408	EL CAMINO REAL
NOAHS BAGELS	1067	EL CAMINO REAL
NOB HILL FOODS #628	270	REDWOOD SHORES
NOMAS AUTO REPAIR & BODY SHOP	435	DUMBARTON
NOR CAL COLLISION	2504	EL CAMINO REAL
NURIS DONUT HOUSE	416	EL CAMINO REAL
OIL CHANGERS #202	2762	EL CAMINO REAL
ONCOMED PHARMACEUTICALS INC	800	CHESAPEAKE
ONE STOP LIQUORS	390	4TH
ORACLE CORP	100-600	ORACLE
ORACLE FITNESS CTR	250	ORACLE
ORACLE SUBSTATION-	500	ORACLE
ORACLE USA INC	1000	BRIDGE PKWY

**FY 2011-2012 Annual Report**

**Permittee Name: City of Redwood City**

ORACLE USA INC	401	ISLAND PARK
ORACLE USA INC	10	TWIN DOLPHIN
ORCHARD SUPPLY HARDWARE #220	2110	MIDDLEFIELD
PABLOS AUTO REPAIR	2931	CROCKER
PACFUL PRINTING & FULFILLMENT	785	BROADWAY
PACIFIC ATHLETIC CLUB	200	REDWOOD SHORES
PACIFIC BELL dba AT & T CALIFORNIA	1121	JEFFERSON
PACIFIC COMMERCIAL FUELING INC	410	BLOMQUIST
PACIFIC DINING-CANADA	4200	FARM HILL
PACIFIC INN	2610	EL CAMINO REAL
PACIFIC SHORES CAFE	1600	SEAPORT
PACIFIC SHORES LIFT STATION #1	1150	SEAPORT
PACIFIC SHORES LIFT STATION #2	1855	SEAPORT
PACIFIC SHORES STORM PUMP STA	800	SEAPORT
PADILLAS AUTO REPAIR	24	WILLOW
PANADERIA MICHOACAN #4	2561	EL CAMINO REAL
PAPA JOHNS PIZZA	1201	EL CAMINO REAL
PARKING GARAGE	400	MIDDLEFIELD
PARKS & RECREATION	1400	RADIO
PARTY CITY	1289	VETERANS
PASTA POMODORO	490	EL CAMINO REAL
PAVEX	195	SEAPORT
PEARL THERAPEUTICS INC	200	SAGINAW
PENINSULA 2 RESERVOIR 1	545	PICO
PENINSULA AIR CONDITIONING INC	1690	TACOMA
PENINSULA BUILDING MATERIALS	109	SEAPORT
PENINSULA CATERING & EVENTS	175	5TH
PENINSULA COVENANT COMMUNITY C	3623	JEFFERSON
PENINSULA INFINITI	386	CONVENTION
PENINSULA LIQUORS & TOBACCO	717	EL CAMINO REAL
PENINSULA MOTORSPORTS	101	5TH
PERSEID	515	GALVESTON
PETERSEN PRECISION	611	BROADWAY
PETES HARBOR	1	UCCELLI
PG & E BAIR SUBSTATION	255	SEAPORT
PG&E JEFFERSON SUBSTATION		CANADA RD 1 MILE JEFFERSON
PG&E LAS PULGAS SUBSTATION		VALOTA & SIERRA

**FY 2011-2012 Annual Report**

**Permittee Name: City of Redwood City**

PG&E REDWOOD SUBSTATION	10	SEAPORT
PG&E SHREDDER SUBST	775	HINEMAN
PG&E WATERSHED SUBSTATION		CANADA RD/ACROSS FRM PULG
PHIL FINER REFRIGERATION	1001	MAIN
PHO TRUONG LONG VIETNAMESE	756	WOODSIDE
PICENOS COMPLETE AUTO WORKS	1175	SHASTA
PIZZA HUT #283335	600	WHIPPLE
PORT OF REDWOOD CITY (YACHT HA	675	SEAPORT
PORTAS AUTO BODY	3020	ROLISON
POTTER DRILLING INC	599	SEAPORT
PRECISION AUTO REPAIR	110	PINE
PRECISION TUNE AUTO CARE	1304	EL CAMINO REAL
PREMIER AUTO COLLISON	1612	EL CAMINO REAL
PRESS RITE CLEANERS	1595	WOODSIDE
PRO CARE	1704	INDUSTRIAL
PRONTO PIZZERIA & ROTISSERIE	2560	EL CAMINO REAL
PROPEL BIO FUELS	503	WHIPPLE
PT OF RC-USED OIL COLLECTION CTR	451	SEAPORT
PULGAS DECHLORAMINATION FAC/PUMP ST	66	CANADA RD-S OF HWY 92
PULMONX CORPORATION	700	CHESAPEAKE
PURPLETIE	500	HOWLAND
PUTNAM LEXUS	390	CONVENTION
PUTNAM LEXUS	400	CONVENTION
QUALITY COACHWORKS LTD	411	WOODSIDE
RANCHO AUTO SERVICE	692	VETERANS
RAYS AUTO REPAIR, INC.	2333	EL CAMINO REAL
RB AUTOMOTIVE	219	BUCKEYE
RECYCLED WATER PLANT	1402	RADIO
REDWOOD CITY AUTO REPAIR	891	BARRON
REDWOOD CITY POLICE DEPARTMENT	1301	MAPLE
REDWOOD CITY SCHOOL WAREHOUSE	501	JAMES
REDWOOD CITY U HAUL CTR	2200	EL CAMINO REAL
REDWOOD GENERAL TIRE SERVICE	1630	BROADWAY
REDWOOD MINI MARKET	2775	EL CAMINO REAL
REDWOOD RENTAL & REPAIR	2336	EL CAMINO REAL
REDWOOD ROLLER RINK	1303	MAIN
REDWOOD SHORES AREA #A	200	REDWOOD SHORES

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**Permittee Name: City of Redwood City**

REDWOOD SHORES CLEANERS	370	BRIDGE
REDWOOD SHORES STATION #15	333	TWIN DOLPHIN
REDWOOD TERRACE CAFE	430	BROADWAY
REDWOOD TOUCHLESS CAR WASH	215	EL CAMINO REAL
REYES AUTO REPAIR	741	WARRINGTON
RITE AID #5892	340	WOODSIDE PLAZA
RITE AID #5893	2150	ROOSEVELT
ROBERTS & BRUNE	939	BROADWAY
RON CHUCK ENGINEERING	375	CONVENTION
ROOSEVELT LIQUOR & GROCERY	1700	EL CAMINO REAL
ROOSEVELT SHELL	2108	ROOSEVELT
ROSITAS TACO STOP	1515	WOODSIDE
ROUND TABLE PIZZA	128	WOODSIDE PLAZA
ROYAL CLEANERS	902	WHIPPLE
ROYS CLEANER	1100	EL CAMINO REAL
RWC AUTO REPAIR	400	WARRINGTON
RWC UNDERGROUND PUB	2650	BROADWAY
SAFEWAY STORE #305	1071	EL CAMINO REAL
SAFEWAY STORE #747	850	WOODSIDE
SAKURA	2198	BROADWAY
SAN MATEO COUNTY CORP YARD	752	CHESTNUT
SAN MATEO COUNTY MOTOR POOL	501	WINSLOW
SANCHOS TAQUERIA	3205	OAK KNOLL
SANDPIPER SCHOOL	801	REDWOOD SHORES
SANZ BODY SHOP	3150	ROLISON
SBSA	1400	RADIO
SBSA PUMP STATION	1581	MAPLE
SEA LINK CAFE	399	MARINE
SEAPORT LIFT STATION #2	501	GALVESTON
SEAPORT PUMP STATION #3	501	PENOBSCOT
SEAPORT REFINING & ENV LLC	679	SEAPORT
SEASONAL SUSHI	2432	BROADWAY
SELTZER SISTERS	816	CHARTER
SEQUOIA CLUB	1695	BROADWAY
SEQUOIA HEALTH SERVICES	170	ALAMEDA DE LAS PULGAS
SEQUOIA HIGH SCHOOL	480	JAMES
SEQUOIA YACHT CLUB	441	SEAPORT
SEVEN ELEVEN FOOD STORE	400	EL CAMINO REAL

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**Permittee Name: City of Redwood City**

SEVEN ELEVEN STORE #14339	895	5TH
SEVEN ELEVEN STORE 2366-25411C	460	WOODSIDE
SEWER LIFT STATION #1	100	MARINE PARKWAY
SEWER LIFT STATION #10	747	DAVIT
SEWER LIFT STATION #12	790	MARINE WORLD
SEWER LIFT STATION #17	11	AVOCET
SEWER LIFT STATION #19		SHEARWATER @ HAMPTON/SHOA
SEWER LIFT STATION #2	600	MARINE WORLD
SEWER LIFT STATION #22	999	REDWOOD SHORES
SEWER LIFT STATION #3	512	TRIDENT
SHERWIN WILLIAMS CO	696	BROADWAY
SIGONAS FARMERS MARKET	2345	MIDDLEFIELD
SILVER GAS	1603	BROADWAY
SILVER SPRING NETWORK	555	BROADWAY
SIMS METAL MANAGEMENT	699	SEAPORT
SIRENA MOWER SHOP	91	5TH
SMART & FINAL	1185	BROADWAY
SMC ROAD/SEWER DEPT	752	CHESTNUT
SMCO THHW	1400	BROADWAY
SODINIS	727	EL CAMINO REAL
SOUTH BAY BODY SHOP	417	D
SPECIALTY ALIGNMENT & BRAKES	1011	DOUGLAS
SPEEDEE OIL CHANGE	550	VETERANS
STACKS RESTAURANT	314	EL CAMINO REAL
STANFORD MEDICINE OUTPATIENT CTR	420-450	BROADWAY
STARBUCKS COFFEE	1045	EL CAMINO REAL
STARBUCKS COFFEE	1900	EL CAMINO REAL
STARBUCKS COFFEE	490	EL CAMINO REAL
STARBUCKS COFFEE	264	REDWOOD SHORES
STARBUCKS COFFEE	400	WALNUT
STEVES CAFE & CATERING	303	TWIN DOLPHIN
STRIKER AUTO BODY & PAINT	830	KAYNYNE
STUDEBAKERS WEST	335	CONVENTION
STUTTART MOTORS	2315	EL CAMINO REAL
SUBWAY SANDWICHES & SALADS #2622	1926	EL CAMINO REAL
SUHSD/TRANSPORTATION	480	JAMES

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**Permittee Name: City of Redwood City**

SUISHA HOUSE	2053	BROADWAY
SUMMIT COFFEE	2137	ROOSEVELT
SUMMIT PREPARATORY CHARTER H S	890	BROADWAY
SURAJ INDIAN CUISINE	2550	EL CAMINO REAL
SWEET STOP	312	ARGUELLO
SWIMMING POOL PERFECTIONS	629	BAIR ISLAND
T&H LUMBER	350	BLOMQUIST
TACO BELL #17997	1103	VETERANS
TACO BELL #3046	2693	EL CAMINO REAL
TACOS EL CAMINO RESTAURANT	2627	EL CAMINO REAL
TACOS EL GRULLENSE #1	1243	MIDDLEFIELD
TACOS EL GRULLENSE #3	795	5TH
TACOS EL GRULLENSE E & E	999	EL CAMINO REAL
TAFT SCHOOL	903	10TH
TALK OF BROADWAY	2096	BROADWAY
TAQUERIA EL GRULLENSE	1280	EL CAMINO REAL
TARGET STORE #0321	2485	EL CAMINO REAL
THAI HOUSE	1742	EL CAMINO REAL
THE GOLDEN GLAZE	1509	MAIN
THE LATIN CLUB	2651	EL CAMINO REAL
THE MECHANIC	48	LAUREL
THE PATIO CAFE	1	LAGOON
THE SADDLE ROOM	1607	WOODSIDE
TOGOS EATERY	242	REDWOOD SHORES
TOKYO STAR	238	REDWOOD SHORES
TOP METAL DESIGNS	831	SWEENEY
TOWNE AUTO BODY	111	CEDAR
TOWNE FORD SALES	1601	EL CAMINO REAL
TOY AUTO CLINIC	35	HAZEL
TOYOTA 101	525	BAYSHORE
TOYOTA SCION SPECIALIST	61	WILLOW
TRANS AUTO REPAIR	610	BROADWAY
TRU GEEN LANDCARE	1995	BAYSHORE
TYCO ELECTRONICS	501	OAKSIDE
U S CHINESE FOOD	2490	EL CAMINO REAL
UNA MAS MEXICAN GRILL	224	REDWOOD SHORES
UNIVAR USA INC	525	SEAPORT
USA INDEPENDENT	3139	JEFFERSON

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**Permittee Name: City of Redwood City**

VALERO STATION #7245	503	WHIPPLE
VERA CASH MARKET	400	VERA
VERINATA HEALTH INC	800	SAGINAW
VERIZON BUSINESS		EL CAMINO N OF WHIPPLE
VERIZON WIRELESS	201	REDWOOD SHORES
VERIZON WIRELESS- Palo Alto	2801	CROCKER
VERIZON WIRELESS-HWY 101/Seaport	10	SEAPORT
VERTEX MECHANICAL INC	730	BROADWAY
VETERANS SHELL 148	690	VETERANS
VIBRYNT INC	701	GALVESTON
VINO SANTO BISTRO	2030	BROADWAY
VKK SIGNMAKERS, INC	820	SWEENEY
VLY RADIOLOGISTS MED. GRP INC.	500	ARGUELLO
WENDYS OLD FASHIONED HAMBURGER	1852	EL CAMINO REAL
WEST COAST COLLISION	525	STANDISH
WEST VALLEY	809	HURLINGAME
WHEEL WORKS	2411	EL CAMINO REAL
WHIPPLE ARCO	504	WHIPPLE
WHIPPLE AVENUE SHELL SERVICE	639	WHIPPLE
WILLOW MARKET	37	WILLOW
WOODSIDE AUTO & TIRE CENTER	333	WOODSIDE
WOODSIDE CAR WASH INC	909	WOODSIDE
WOODSIDE CLEANERS	317	WOODSIDE
WOODSIDE DELICATESSEN	1453	WOODSIDE
WOODSIDE GASOLINE INC	710	WOODSIDE
WOODSIDE MANOR LIQUORS	524	WOODSIDE
WOODSIDE MANOR SHELL	582	WOODSIDE
WOODSIDE SHELL	1667	WOODSIDE
YAT SING	3770	FLORENCE
YAT SING RESTAURANT	38	WOODSIDE PLAZA
YEAH! RESTAURANT	246	REDWOOD SHORES
YOKAYAMA JAPANESE RESTAURANT	1784	BROADWAY
YUMI YOGURTS	947	EL CAMINO REAL

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Permittee Name: City of Redwood City

**Provision C.4.b.iii(2) Facility Scheduled for Inspection YR 2012-13**

FACILITY	ADDRESS NO.	STREET
2411 BROADWAY STREET LLC	2411	BROADWAY
7-ELEVEN, STORE 2366-15896E	1700	BROADWAY
A B & W MARKET	3115	JEFFERSON
A-1 MATERIALS	1771	BAYSHORE
ALANAS CAFE	1020	MAIN
AMERICAN LEGION #105 RWC POST	651	EL CAMINO REAL
ANGEL HEART CAKES	3716	FLORENCE
ANSON CATERING	604	5 <sup>TH</sup>
APATZINGAN #2	739	CHESTNUT
APPLEBEES	1155	VETERANS
ARYA GLOBAL CUISINE	885	MIDDLEFIELD
ATHERTON SUBS	995	MARSH MANOR
ATHERTON U SAVE LIQUORS	3107	EL CAMINO REAL
BANGKOK BAY INC	825	EL CAMINO REAL
BAYSIDE EQUIPMENT CO	3562	HAVEN
BIG LOTS #4313	1525	BROADWAY
BK 2443	575	EL CAMINO REAL
BLUEFIN PARTY SUSHI	2327	BROADWAY
BOBBY D'S SPORTS BAR & COCKTAIL LOUNGE	700	WINSLOW
BON APPETIT 200	200	ORACLE
BON APPETIT 300 CAFE	300	ORACLE
BON APPETIT 350 CAFE	350	ORACLE
BON APPETIT 400 CAFE	400	ORACLE
BON APPETIT 500 CAFE	500	ORACLE
BON APPETIT MGMT	10	TWIN DOLPHIN
BRAVO TAQUERIA	980	WOODSIDE
BURI TARA THAI CUISINE	911	MAIN
CAFE N S	701	CHESAPEAKE
CANYON INN	587	CANYON
CARLS JR RESTAURANT	1001	VETERANS
CASA DE REDWOOD	1280	VETERANS
CENTRUM LIFT STATION	184	ORACLE
CHANTILLY INC	3001	EL CAMINO REAL
CHAVEZ MEAT MARKET	775	ARGUELLO
CHAVEZ MEXICAN BAKERY	817	ARGUELLO
CHEF CHENS	820	VETERANS

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**Permittee Name: City of Redwood City**

CHEF PEKING RESTAURANT	515	VETERANS
CHINS RESTAURANT	855	MAIN
CHUCKS DONUTS	801	WOODSIDE
CITY PUB & CAFE	2620	BROADWAY
COPENHAGEN RESTAURANT	356	WOODSIDE PLAZA
CORNER YOGURT	1501	WOODSIDE
COUNTY OF SM DPW-ATHLONE PUMP STATION		BAY ROAD & SPRING
COUNTY OFFICE BLDG.#1	455	COUNTY CENTER
CVS/PHARMACY #9690	1301	BROADWAY
DECARLOS PLACE	2139	ROOSEVELT
DELICIAS FRUIT BAR	334	BERKSHIRE
DENNYS	1201	BROADWAY
EL GRULLENSE GRILL	2525	EL CAMINO REAL
EL HUECO A PERUVIAN RESTAURANT	593	WOODSIDE
EL MERCADITO LATINO	1726	EL CAMINO REAL
EL ZARAPE BAR-N-GRILL	1808	EL CAMINO REAL
EQUITY OFFICE PROPERTIES	333	TWIN DOLPHIN
ESTAMPAS PERUANAS	715	EL CAMINO REAL
F M W MACHINE SHOP	894	DOUGLAS
FIFTH QUARTER	976	WOODSIDE
FIVE POINTS MARKET INC	1922	EL CAMINO REAL
FLYERS #270	699	EL CAMINO REAL
FOODS CO	1401	BROADWAY
FOX THEATER	2221	BROADWAY
FRANKLIN ST COFFEE	1053	EL CAMINO REAL
FRESH & NATURAL CAFE	1150	VETERANS
FROYOLA (SEASONAL PERMIT)	2206	BROADWAY
GENERAL NUTRITION CTR #6113	2539	EL CAMINO REAL
GRANITE ROCK ASPHALT&ROAD OILS	365	BLOMQUIST
GROCERY OUTLET INC	1833	BROADWAY
HAPPY DONUT	820	VETERANS
HARRYS HOFBRAU	1909	EL CAMINO REAL
HAWAIIAN DRIVE INN	711	EL CAMINO REAL
HENRY FORD SCHOOL	2498	MASSACHUSETTS
HIGH PERFORMANCE HOUSE	2431	SPRING
HIGH QUALITY CUSTOM CABINETRY	437	HURLINGAME
HIGUMA JAPANESE RESTAURANT	540	EL CAMINO REAL
HOFBRAU CATERING	1695	BROADWAY

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**Permittee Name: City of Redwood City**

HOOVER SCHOOL	701	CHARTER
HOTEL SOFITEL	223	TWIN DOLPHIN
I DUMPLINGS	2660	BROADWAY
IMAGE AUTO WORKS	2259	SPRING
INDUSTRIAL FINISHING INC.	2825	CROCKER
JACK IN THE BOX #525	1205	BROADWAY
JAMBA JUICE COMPANY #69	1007	EL CAMINO REAL
JESUS AUTO REPAIR GARAGE	2701	BUCKINGHAM
JIMS MOBILE DIESEL REPAIR	1548	MAPLE
JOHNNY ROCKETS	1111	EL CAMINO REAL
KARAKADE THAI CUISINE	593	WOODSIDE
KENNEDY SCHOOL	2521	GOODWIN
KEY MARKET	1063	UPTON
KEY MARKETS	3640	FLORENCE
KOTO JAPANESE STEAKHOUSE	373	MAIN
LA AZTECA	1531	MAIN
LA CASITA CHILANGA #2	761	EL CAMINO REAL
LA COSTA RESTAURANT	2761	EL CAMINO REAL
LA FIESTA MEXICAN RESTAURANT	314	ARGUELLO
LA PASADITA MARKET-BAKERY	151	5TH
LA SWEET	1003	EL CAMINO REAL
LA VIGA RESTURANT	1772	BROADWAY
LE BOULANGER	2225	BROADWAY
LINDSEY ENTERPRISES	2487	SPRING
LITTLE INDIA RESTAURANT	917	MAIN
LUCIANO CONCRETE CONSTRUCTION INC	732	WARRINGTON
LUCIAS PIZZERIA	1725	WOODSIDE
MAIN ST COFFEE ROASTING CO	150	ELM
MAIN ST MARKET	804	MAIN
MAIN STREET SERVICE REDWOOD CITY	2108	ROOSEVELT
MAINTENANCE & OPERATION DIV	601	JAMES
MALIBU GRAND PRIX	340	BLOMQUIST
MANDALOUN RESTAURANT	2021	BROADWAY
MARTINS WEST	831	MAIN
MAX RESTAURANT	1001	EL CAMINO REAL
MCDONALD	185	CHESTNUT
MCDONALDS RESTAURANT	536	WHIPPLE
MCI WORLDCOM	2700	SPRING

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**Permittee Name: City of Redwood City**

METAL FUSION	425	HURLINGAME
MEXQUITE	2616	BROADWAY
MILAGROS RESTAURANT	1099	MIDDLEFIELD
MISTRAL RESTAURANT	370	BRIDGE
MR HAUL	867	2ND
MYOSCIENCE INC	525	CHESAPEAKE
NARANJOS TAQUERIA	2647	BROADWAY
NATIONAL AUTO BODY SHOP	20	DILLER
NEW KAPADOKIA	2399	BROADWAY
NIKKOS MEXICAN GRILL	408	EL CAMINO REAL
NOAHS BAGELS	1067	EL CAMINO REAL
NOR CAL COLLISION	2504	EL CAMINO REAL
NURIS DONUT HOUSE	416	EL CAMINO REAL
ORACLE FITNESS CTR	250	ORACLE
ORACLE SUBSTATION-	500	ORACLE
OREILLY AUTO PARTS #3474	2411	EL CAMINO REAL
PACIFIC COMMERCIAL FUELING INC	410	BLOMQUIST
PACIFIC DINING-CANADA	4200	FARM HILL
PACIFIC SHORES CAFE	1600	SEAPORT
PARDIS	2653	BROADWAY
PARKS & RECREATION	1400	RADIO
PENINSULA 2 RESERVOIR 1	545	PICO
PHO DONG RESTAURANT	2610	BROADWAY
PHO TRUONG LONG VIETNAMESE	756	WOODSIDE
PIZZA HUT #283335	600	WHIPPLE
PRECISION MICRO COMPONENTS	2900	SPRING
PRIMO PIZZA	3710	FLORENCE
PRONTO PIZZERIA & ROTISSERIE	2560	EL CAMINO REAL
PROPEL BIO FUELS	503	WHIPPLE
REDWOOD CITY SCHOOL WAREHOUSE	501	JAMES
REDWOOD CREEK GRILL	2050	BROADWAY
REDWOOD SHORES STATION #15	333	TWIN DOLPHIN
RICKSHAW CHINESE FOOD	1483	BROADWAY
RITE AID	340	WOODSIDE
RITE AID #5892	340	WOODSIDE PLAZA
RON CHUCK ENGINEERING	375	CONVENTION
ROOSEVELT LIQUOR & GROCERY	1700	EL CAMINO REAL
ROSITAS TACO STOP	1515	WOODSIDE

**FY 2011-2012 Annual Report**

**Permittee Name: City of Redwood City**

ROUND TABLE PIZZA	128	WOODSIDE PLAZA
RUSH HOUR CATERING	1757	BAYSHORE
RWC UNDERGROUND PUB	2650	BROADWAY
SABA CAFE	823	HAMILTON
SABOR COLIBRI CUISINE	2053	BROADWAY
SAFEWAY STORE #305	1071	EL CAMINO REAL
SAKURA	2198	BROADWAY
SANCHOS TAQUERIA	3205	OAK KNOLL
SATELLITE DIALYSIS	1410	MARSHALL
SEASONAL SUSHI	2432	BROADWAY
SEQUOIA CLUB	1695	BROADWAY
SEVEN ELEVEN FOOD STORE	400	EL CAMINO REAL
SILVER GAS	1603	BROADWAY
SMC ROAD/SEWER DEPT	752	CHESTNUT
SOPHIA'S EURO ASIA MOTORS	2581	SPRING
SPECIALTY BAKERY & CAFE	1100	ISLAND
SPEEDERIA PIZZERIA	3201	OAK KNOLL
SPS FINISHING LLC	810	WARRINGTON
STACKS RESTAURANT	314	EL CAMINO REAL
STANFORD MEDICINE OUTPATIENT CTR	420-450	BROADWAY
STARBUCKS COFFEE	1045	EL CAMINO REAL
STARBUCKS COFFEE	400	WALNUT
STARBUCKS COFFEE	1900	EL CAMINO REAL
STEVES CAFE & CATERING	303	TWIN DOLPHIN
STRIKER AUTO BODY & PAINT	830	KAYNYNE
SUBWAY SANDWICHES & SALADS #2622	1926	EL CAMINO REAL
SUPER PURE WATER	826	5TH
SURAJ INDIAN CUISINE	2550	EL CAMINO REAL
T&J GRAPHIC ARTS	2620	SPRING
TACO BELL #17997	1103	VETERANS
TACOS EL CAMINO RESTAURANT	2627	EL CAMINO REAL
TACOS EL GRULLENSE #1	1243	MIDDLEFIELD
TACOS EL GRULLENSE #3	795	5TH
TACOS EL GRULLENSE E & E	999	EL CAMINO REAL
TAFT SCHOOL	903	10TH
TAQUERIA LOS TEMOS	1714	EL CAMINO REAL
THAI BODIA INC	910	WOODSIDE
THAI HOUSE	1742	EL CAMINO REAL

**FY 2011-2012 Annual Report****Permittee Name: City of Redwood City**

THE MECHANIC	48	LAUREL
THE OLD SPAGHETTI FACTORY	2107	BROADWAY
THE PATTY SHACK	909	MAIN
TOKYO STAR	238	REDWOOD SHORES
TOP METAL DESIGNS	831	SWEENEY
TRADICIONES PERUANAS	828	5TH
TRAGON CORP	350	BRIDGE
U S CHINESE FOOD	2490	EL CAMINO REAL
VERA CASH MARKET	400	VERA
VERIZON WIRELESS	201	REDWOOD SHORES
VERIZON WIRELESS- Palo Alto	2801	CROCKER
VERIZON WIRELESS-HWY 101/Seaport	10	SEAPORT
WENDYS OLD FASHIONED HAMBURGER	1852	EL CAMINO REAL
WEST VALLEY	809	HURLINGAME
WHOLE FOODS MARKET	1250	JEFFERSON
WOODCHUCK BBQ	2397	BROADWAY
WOODSIDE DELICATESSEN	1453	WOODSIDE
YAT SING	3770	FLORENCE
YAT SING RESTAURANT	38	WOODSIDE PLAZA
YOKAYAMA JAPANESE RESTAURANT	1784	BROADWAY
YUMI YOGURTS	947	EL CAMINO REAL

COMMUNITY  
DEVELOPMENT DEPARTMENT  
*Engineering and Construction*  
www.redwoodcity.org



1017 Middlefield Road  
Redwood City, CA 94064  
Main: 650.780.7380  
Fax: 650.780.7309

May 8, 2012

BKF Engineers  
Attention: Easton McAllister  
255 Shoreline Drive, Suite 200  
Redwood City, CA 94065

Re: 201 Marshall  
Application for Special Project Status

Mr. McAllister,

Your application for Special Project status under the Municipal Regional Permit has been received. Special Projects can qualify for up to a 100% Low Impact Development (LID) treatment reduction credit.

Based on our understating of the project, the proposed development falls into Special Project Category B by including all of the following elements:

- The project is located within the Redwood City Downtown Precise Plan District.
- The project creates and/or replaces an area of impervious surface that is greater than 0.5 acres, and no more than 2.0 acres.
- The project contains no surface parking, except for incidental parking for emergency access, ADA access, and passenger or freight loading zones.
- The project has at least 85% coverage of the entire site by permanent structures. The uses of the remaining portion of the site consist of one or more of the following: safety access, parking structure entrances, trash and recycling service, utility access, pedestrian connections, public uses, landscaping and/or stormwater treatment.
- The project has a density of over 50 dwelling units per acre.

Within Category B, the percentage of allowable credit is determined based on the unit density. This project qualifies for a 100% credit based on its density of over 100 DU/acre.

In addition, the proposed development falls into Special Project Category C by including all of the following elements:

- At least 50% of the project is within a 1/2 mile of an existing transit hub.
- The project is a non-auto-related use.
- The project has a density of over 25 dwelling units per acre.

Within Category C, the percentage of allowable credit is determined based on the project location, the project density, and the amount of surface parking proposed on the project. This project qualifies for a 50% location credit, as it is located within 1/4 mile of a transit hub (both a Caltrain Station and a SamTrans bus station). This project also qualifies for a 30% density credit based on a project density of over 100 DU/acre (163 DU/acre), and a 20% parking credit by proposing no surface parking. In Category C, these credits combine to a 100% credit.

As required in Provision C.3.e.vi(2) of the MRP, the City prepared a narrative discussion of the feasibility and infeasibility of 100 percent LID treatment, onsite and offsite, for the subject project. This narrative discussion was included in the City's Potential Special Projects Reporting Form submitted to the Regional Water Quality Control Board on March 15, 2012, in accordance with Provision C.3.e.vi(2). The narrative discussion, which is attached for your reference, concluded that 100 percent LID treatment is infeasible.

Based on our understanding of the project, we conclude that it qualifies for a 100% reduction in LID treatment requirements. The C.3.d amount of runoff from the entire project must still be treated prior to leaving the site, but it may be treated by an approved non-LID treatment device. The list of Redwood City approved non-LID treatment devices is based on the State of Washington Department of Ecology's TAPE (Technical Assessment Protocol – Ecology) program. The table of approved devices is attached.

The project has proposed to use the FloGard Perk Filter by Kristar Enterprises, Inc. for stormwater treatment, which is on the approved list. In order for this device to be approved for use, the project must specify that the design operating rate meets the TAPE GULD (General Use Land Designation) for basic treatment. For the proposed device, the operating rate must be 1.5 gpm/sf of filter surface area.

If there are any changes to the proposed project that would affect the Special Project status (number of proposed units, selected treatment device, etc.), the percentage of LID treatment reductions must be recalculated and the stormwater treatment system re-designed as necessary.

Sincerely,



Peter Vorametsanti, P.E.  
City Engineer

Attachments:

- Narrative Discussion of LID Feasibility or Infeasibility (From the Potential Special Projects Reporting Form, 3/15/2012)
- High Rate Biofilter and Media Filter Approvals and Design Constraints

cc: Jimmy Tan, P.E., Senior Civil Engineer  
File

### 3. Narrative Discussion of LID Feasibility or Infeasibility

#### 201 Marshall Street

##### 1. Feasibility/Infeasibility of Onsite Infiltration, Evapotranspiration, and Harvesting/Use

The Countywide Program's infiltration/harvesting and use feasibility screening worksheet and rainwater harvesting and use worksheet were completed for the project. The results of this analysis showed that it was infeasible to treat the C.3.d amount of runoff with infiltration or harvesting and use.

##### 2. Feasibility/Infeasibility of Onsite LID Treatment

The project site was reviewed with regard to the feasibility and infeasibility of onsite LID treatment. The results of this review showed that it was infeasible to treat 100 percent (100%) of the C.3.d amount of runoff with LID treatment. The findings of this review are presented below.

- a. **On-site Drainage Conditions.** On-site drainage consists of rainwater collected on the building roof and podium level courtyard. These waters will be collected through a system of pipes, routed through the building and treated through downspout media filters prior to discharge to the City's storm drain system.
- b. **Self-treating and Self-Retaining Areas and LID Treatment Measures** The proposed building will be constructed in accordance with the City's Downtown Precise Plan zoning, which provides for a zero lot-line setback. The majority of the site will be covered by roof or building footprint, with the exception being a small strip of land adjacent to the building and the neighboring property to the northeast. The majority of this strip of land is encumbered by an easement to PG&E, precluding the installation of any LID structures. The remainder is too narrow to allow for an LID structure.
- c. **Maximizing Flow to LID Features and Facilities.** Not applicable (see sections 2.a and 2.b above).
- d. **Constraints to Providing On-site LID.** See sections 2.a and 2.b above.
  - i. **Impervious paved areas:** The majority of the site will be covered by roof or building footprint, with the exception being a small strip of land adjacent to the building and the neighboring property to the northeast.
  - ii. **Landscaped areas:** The small strip of land adjacent to the building and the neighboring property to the northeast is mostly encumbered by an easement to PG&E, precluding the installation of any LID structures. The remainder is too narrow to allow for an LID structure.

##### 3. Feasibility/Infeasibility of Off-Site LID Treatment.

The possibility of providing off-site LID treatment was found to be infeasible for the following reasons.

- a. No additional property within the same watershed is owned by the project proponent. LID treatment in the public right-of-way adjacent to the project is infeasible for the following reasons:
  - Inadequate size to accommodate biotreatment facilities that meet sizing requirements for the tributary area.
  - Conflict with subsurface utilities.
- b. There is no regional LID stormwater mitigation program available for in-lieu C.3 compliance.

Table prepared by CONTECH Vendor for BASMAA, with info from the TAPE program and 2 other governmental certification programs; BASMAA recommends using systems approved by TAPE for GULD Basic Treatment

High Rate Biofilter and Media Filter Approvals and Design Constraints					
Technology	Vendor	Technology Type	TAPE GULD for Basic Treatment <sup>1</sup>		Sacramento Stormwater Quality Partnership <sup>3</sup> Design Operating Rate
			Design Operating Rate	TARP Tier II Approval <sup>2</sup> Design Operating Rate	
Filterra	Americast	High Rate BioFilter	Hydraulic conductivity of 35.46"/hr	n/a	50"/hr percolation rate
Stormwater Management StormFilter	CONTECH Construction Products, Inc.	Media Filter	1 gpm/ft <sup>2</sup> of filter surface area	2 gpm/ft <sup>2</sup> filter surface area	2 gpm/sf filter surface area
Media Filtration System (MFS)	CONTECH Construction Products, Inc.	Media Filter	1 gpm/ft <sup>2</sup> of filter surface area	2 gpm/ft <sup>2</sup> filter surface area	n/a
FloGard Perk Filter	Kristar Enterprises, Inc.	Media Filter	1.5 gpm/ft <sup>2</sup> of filter surface area	n/a	n/a
BayFilter Cartridge	Baysaver Technologies, Inc.	Media Filter	0.5 gpm/ft <sup>2</sup> of filter surface area	n/a	n/a
Enhanced Media Cartridge	Baysaver Technologies, Inc.	Media Filter	0.7 gpm/ft <sup>2</sup> of filter surface area	n/a	n/a

1 - General Use Level Designation for Basic Treatment granted by the Washington State Department of Ecology. For program information and use level designation statements see: <http://www.ecy.wa.gov/programs/wq/stormwater/newtech/basic.html>

2 - Certification of performance granted by the New Jersey Department of Environmental Protection based on field testing following the Technology Assessment Reciprocity Partnership Protocol for Stormwater Best Management Practice Demonstrations. For certification statements see: <http://www.state.nj.us/dep/stormwater/treatment.html>

3 - Approval by the Sacramento Stormwater Quality Partnership for stand alone treatment of stormwater. For program information and approved products list see: <http://www.beriverfriendly.net/newdevelopment/propstormwatertreatdevice/>

TAPE = Technical Assessment Protocol - Ecology, a certification program operated by Washington State Dept. of Ecology  
 GULD = General Use Level Designation

**INSTRUCTIONS:** Obtain data from the Inspection Checklist for Construction Stormwater Controls completed during inspection. Enter data from one inspection per row. Column 7 (Project disturbs one acre or more?) should be answered yes or no for **only the first inspection at any site**. For sites disturbing 1 acre or more, there should be at least 1 inspection per month from October 15 to April 15. Enforcement Response Level (Columns 20-24) should correspond with the Enforcement Response Plan. Enter "1" for yes. Leave blank for no or no problem.

**PURPOSE:** Municipal Regional Permit Provision C.6.e.ii(4) requires agencies to track and report on the information identified in this spreadsheet. The data recorded in this spreadsheet will be needed to summarize inspection results as required for annual reporting. The spreadsheet must be provided to Water Board staff if specifically requested. Submission of this spreadsheet with the Annual Report is not required but encouraged.

1	2	3	4	5	6	7	8-14						15	16-18			19	20-24					25-26			
Enter 1 per inspection	Enter 1 for each site	Site Name (Ref 2) <sup>1</sup>	Inspectn Date (Ref 1)	Weather During Inspectn (Ref 1a)	Rain with Runoff Since Prev. Inspectn? Y/N (Ref 1b)	ANSWER ONCE PER SITE: Project Disturbs 1 acre or more? (Y/N/See Previous Entry) <sup>2</sup> Ref 6	Problems Observed (Ref 9-15)						Specific Problem(s) (Ref 9-15)	Resolution (Ref 17)			Comments (including rationales for longer compliance times) (Ref 16)	Enforcement Response (Ref 16)					Violation Corrected? (Ref 17)			
							Erosion Control	Sediment Control	Run-on & Runoff	Active Treatmt	Site Management	Non Stormwtr Mgt		Illicit Discharge	Problem Fixed	Needs more time		Escalate enforcement	Verbal warning	Written warning/ Notice of violation	Stop Work Order	Notice to comply	Legal action	Corrected within 10 business days	NOT corrected within 30 Days	
1	1	134 Maple; CP11-0037	9/26/2011	Clear	1	Yes		1					BMPs inadequate	1				1							1	
1		134 Maple; CP11-0037	10/4/2011	Light rain	Yes	See previous entry							Corrected items from 9/26													
1		134 Maple; CP11-0037	10/18/2011	Clear	No	See previous entry																				
1		134 Maple; CP11-0037	11/29/2011	Clear	No	See previous entry																				
1		134 Maple; CP11-0037	12/16/2011	Clear	No	See previous entry																				

<sup>1</sup> The references (for example "Ref 12") refer to the applicable item number on the Construction Site Stormwater Inspection Checklist.

<sup>2</sup> Answer Yes or No only once for each site. 1=Yes, 0=No.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	
Enter 1 per inspection	Enter 1 for each site	Site Name (Ref 2) <sup>1</sup>	Inspectn Date (Ref 1)	Weather During Inspectn (Ref 1a)	Rain with Runoff Since Prev. Inspectn? Y/N (Ref 1b)	ANSWER ONCE PER SITE: Project Disturbs 1 acre or more? (Y/N/See Previous Entry) <sup>2</sup> Ref 6	Problems Observed (Ref 9-15)						Specific Problem(s) (Ref 9-15)	Resolution (Ref 17)			Comments (including rationales for longer compliance times) (Ref 16)	Enforcement Response (Ref 16)					Violation Corrected? (Ref 17)			
							Erosion Control	Sediment Control	Run-on & Runoff	Active Treatmt	Site Management	Non Stormwtr Mgt		Illicit Discharge	Problem Fixed	Needs more time		Escalate enforcement	Verbal warning	Written warning/ Notice of violation	Stop Work Order	Notice to comply	Legal action	Corrected within 10 business days	NOT corrected within 30 Days	
1	1	Kentfield Commons; CP10-0105	11/1/2011	Clear	No	1 Yes	1	1						Wattles on perimeter need to be staked	1				1						1	
1		Kentfield Commons; CP10-0105	11/3/2011	Clear	No	See previous entry								Wattles correctly installed												
1		Kentfield Commons; CP10-0105	12/8/2011	Clear	No	See previous entry																				
1		Kentfield Commons; CP10-0105	1/27/2012	Clear	No	See previous entry																				
1		Kentfield Commons; CP10-0105	3/12/2012	Clear	No	See previous entry								Asked contractor to check BMPs prior to rain												

<sup>1</sup> The references (for example "Ref 12") refer to the applicable item number on the Construction Site Stormwater Inspection Checklist.

<sup>2</sup> Answer Yes or No only once for each site. 1=Yes, 0=No.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	
Enter 1 per inspection	Enter 1 for each site	Site Name (Ref 2) <sup>1</sup>	Inspectn Date (Ref 1)	Weather During Inspectn (Ref 1a)	Rain with Runoff Since Prev. Inspectn? Y/N (Ref 1b)	ANSWER ONCE PER SITE: Project Disturbs 1 acre or more? (Y/N/See Previous Entry) <sup>2</sup> Ref 6	Problems Observed (Ref 9-15)						Specific Problem(s) (Ref 9-15)	Resolution (Ref 17)			Comments (including rationales for longer compliance times) (Ref 16)	Enforcement Response (Ref 16)					Violation Corrected? (Ref 17)			
							Erosion Control	Sediment Control	Run-on & Runoff	Active Treatmt	Site Management	Non Stormwtr Mgt		Illicit Discharge	Problem Fixed	Needs more time		Escalate enforcement	Verbal warning	Written warning/ Notice of violation	Stop Work Order	Notice to comply	Legal action	Corrected within 10 business days	NOT corrected within 30 Days	
1		Kentfield Commons; CP10-0105	3/13/2012	Rain	Yes	See previous entry								No issues												
1	1	333 Main St; CP11-0111	6/4/2012	Rain	Yes	1 Yes								No issues												
1	1	One Marina; CP11-0117	4/26/2012	Clear	No	1 Yes		1			1			Construction entrance has loose rocks, material piles uncovered	1				1						1	
1		One Marina; CP11-0117	4/30/2012	Clear	No	See previous entry								BMPs corrected												
1		One Marina; CP11-0117	6/4/2012	Rain	Yes	See previous entry								No issues												

<sup>1</sup> The references (for example "Ref 12") refer to the applicable item number on the Construction Site Stormwater Inspection Checklist.

<sup>2</sup> Answer Yes or No only once for each site. 1=Yes, 0=No.

1	2	3	4	5	6	7	8-14 Problems Observed (Ref 9-15)						15	16-18 Resolution (Ref 17)			19	20-24 Enforcement Response (Ref 16)					25-26 Violation Corrected? (Ref 17)		
Enter 1 per inspection	Enter 1 for each site	Site Name (Ref 2) <sup>1</sup>	Inspectn Date (Ref 1)	Weather During Inspectn (Ref 1a)	Rain with Runoff Since Prev. Inspectn? Y/N (Ref 1b)	ANSWER ONCE PER SITE: Project Disturbs 1 acre or more? (Y/N/See Previous Entry) <sup>2</sup> Ref 6	Erosion Control	Sediment Control	Run-on & Runoff	Active Treatmt	Site Management	Non Stormwtr Mgt	Illicit Discharge	Specific Problem(s) (Ref 9-15)	Problem Fixed	Needs more time	Escalate enforcement	Comments (including rationales for longer compliance times) (Ref 16)	Verbal warning	Written warning/ Notice of violation	Stop Work Order	Notice to comply	Legal action	Corrected within 10 business days	NOT corrected within 30 Days
1	1	Airgas; CP12-0025	6/4/2012	Rain	Yes	1 Yes								No issues, work began in May											
1	1	2201 Bay Road; CP12-0038	6/4/2012	Rain	Yes	1 Yes								No issues, work just beginning											

Total # Inspections	Total # Sites
17	6

No. of sites disturbing ≥ 1 acre: **6**  
 No. of sites disturbing < 1 acre: **0**

	Erosn Control	Sed Control	Runoff/Runon	Active Treatmt	Site Mgt	NonStormwtr	Illicit Dischg
No. of sites disturbing ≥ 1 acre:	1	3	0	0	1	0	0
No. of sites disturbing < 1 acre:							
Total problems:	5						
Percentage by BMP category	20%	60%	0%	0%	20%	0%	0%

Total sites with Problems Fixed **3**

	Verbal warn.	Written warn.	Stop work	Notice comply	Legal action	Timeframe of corrections	
Total enforcement actions	3	0	0	0	0	Total corrected within 10 business days: <b>3</b>	Total NOT corrected within 30 days: <b>0</b>
Percentage within enforcement category:	100%	0%	0%	0%	0%	% of sites corrected w/in 10 bus. Days: <b>100%</b>	Percentage NOT corrected in 30 days: <b>0%</b>

<sup>1</sup> The references (for example "Ref 12") refer to the applicable item number on the Construction Site Stormwater Inspection Checklist.

<sup>2</sup> Answer Yes or No only once for each site. 1=Yes, 0=No.

# **TERMINIX. COMMERCIAL**

**August 8, 2012**

**To: Daniel Burton** City of Redwood City  
Department of Parks and Recreation

**Fr: David Clare** Branch Manager of Service  
Terminix Branch #2137  
East Bay Commercial Office

**Re: 2012 Integrated Pest Management Program for Redwood City Service Sites**

This letter is to confirm the continuation of the Integrated Pest Management (IPM) Program for the City of Redwood City that has been in place at all contracted sites since 2006.

- No spraying of pesticides according to a pre-set schedule.
- Inspection and Monitoring for pest activity before any treatments are applied.
- Baiting for ants – no pyrethroids or Fipronil can be applied without advance approval from RWC.
- Use of least toxic materials when pesticide applications are necessary.
- No organophosphates, carbamates or Fipronil without advance approval from RWC.
- Educating RWC building occupants about best practices to reduce interior pest harborages (sanitation, proper food storage in kitchenettes, proper landscaping maintenance around building exteriors, etc).

If you have any questions regarding these methods or you service in general, please do not hesitate to contact me.

Sincerely,



David Clare  
650-225-0131  
[dclare@terminix.com](mailto:dclare@terminix.com)



# GREENPRO

Eco-Effective Pest Control

Presenting this certificate of excellence to

## **The Terminix International Co.**

in acknowledgment of your continuing efforts toward professional excellence and environmental awareness in the pest management industry. You have met the GreenPro testing requirements for eco-effective pest control.



*official signature*





# U.S. Green Building Council

## Terminix International MEMBER SINCE 2009

THE U.S. GREEN BUILDING COUNCIL IS THE NATION'S FOREMOST COALITION OF LEADERS WORKING TO TRANSFORM THE WAY BUILDINGS AND COMMUNITIES ARE DESIGNED, BUILT AND OPERATED, ENABLING AN ENVIRONMENTALLY AND SOCIALLY RESPONSIBLE, HEALTHY, AND PROSPEROUS ENVIRONMENT THAT IMPROVES THE QUALITY OF LIFE.

*Gail D. A. Vittori*

Gail Vittori, Chair

*R.*

S. Richard Fedrizzi, President, CEO and Founding Chairman

## **Trash Load Reduction Control Measures**

### **Regional and Countywide Public Education and Outreach Programs (CR-3) FY 2011-12 Status Summary**

#### **Litter Reduction Advertising Campaigns**

##### **Youth Outreach Litter Campaign (Regionwide)**

In FY 2011-12, BASMAA began implementing the “Be the Street” anti-litter Youth Outreach Campaign. Be the Street takes a Community Based Social Marketing approach to encourage youth to keep their community clean. The intent of the campaign is to make “no-littering” the norm among the target audience (youth between the ages of 14 and 24). The campaign is using online social marketing tools to conduct outreach. Activities in FY 11-12 included launching a website, Facebook page and a quarterly e-newsletter. An “anti-littering” video contest was also announced and the winning entry will be promoted on television.

#### **Outreach to School-age Children or Youth**

##### **Banana Slug School Assembly Program (Countywide)**

##### **“Water Pollution Prevention and Your Car” Presentation (Countywide)**

Through participation and funding of the SMCWPPP Public Information and Participation program (PIP), the City of Redwood City continued implementing litter reduction outreach to school-age children and youth at school sites. During FY 11-12, SMCWPPP managed two contracts to provide direct outreach to grades K-12 on behalf of all Permittees.

The first contract was with the Banana Slug String Band who performed a presentation called “We All Live Downstream” to grades K-5. Through songs and interactive exercises, the presentation provides information about storm drains, watersheds, the marine environment, and tips to keep water clean, including litter prevention. During FY 11-12, the Banana Slug String Band performed 44 assemblies at 28 elementary schools across San Mateo County, reaching nearly 9,315 students. Surveys of the performance and its effectiveness were sent to each school. A total of 21 schools responded with 1,216 student responses. Overall, the responses have been very positive and indicate an increase in the students’ knowledge about watersheds, stormwater and pollution prevention.

The second contract was with Rock Steady Science, who presented “Water Pollution Prevention and Your Car” to grades 10-12. A portion of the presentation is dedicated to watershed and stormdrain education, and the impact of litter on local creeks and waterways. The presentations began during the spring semester of the 2010-11 school year and continued through the 2011-12 fiscal/school year. A total of 50 presentations were given in 22 different schools located throughout the county, reaching over 1,350 students. (Note: some cities in San Mateo County do not have high schools, and their students feed into high schools in neighboring cities.)

## **Media Relations (Use of Free Media)**

### **Coastal Cleanup Day Promotion (Countywide)**

On the countywide level, SMCWPPP provided a press release for Coastal Cleanup Day, and used Twitter to promote the event on August 29, 2011. The release was intended to gain support and assistance for the cleanup event conducted each September in local water bodies.

## **Community Outreach Events**

### **San Mateo County Fair, June 9-17, 2012 (Countywide)**

SMCWPPP, through its PIP program, conducted a countywide outreach event at the San Mateo County Fair, June 9-17, 2012. The booth was open to the public for a total of 95 hours during the nine days. Staff from nine jurisdictions and County Environmental Health worked the booth at select times each day for a total of 57 hours of staffed time. Based on representative sampling of the number of people who visited the booth, it was estimated that an average of 34 people per hour were directly contacted during the hours that staff was present. Using this averaging, it is estimated that approximately 1,938 people were directly contacted during the 57 staffed hours. The booth provided an introduction to the “Be The Street” anti-litter Youth Outreach Campaign. During the fair, 81 people signed up for the Campaign e-newsletter.

### **Spring Cleanup Promotional Program (Countywide)**

In FY 11-12, SMCWPPP launched “Spring Cleaning SMC” a new annual promotional campaign designed to provide an outlet for watershed stewardship groups and jurisdictions to promote small local trash cleanup events. It is promoted as a cleanup “season,” from March 21 to June 21, including all Earth Day events that take place in late April. SMCWPPP developed a web page on [www.flowstobay.org](http://www.flowstobay.org) dedicated to posting cleanup events during this time period. Promotional newspaper advertisements and bus ad cards were developed and placed in newspapers and busses throughout the county, directing the public to the web page. A total of 18 spring cleanup events were posted during the spring season.

Groups and jurisdictions were asked to provide cleanup data. Reports showed that 385 volunteers removed 1225 pounds of trash, and an additional report indicated that 672 gallons was removed. The actual numbers are likely to be higher since some groups did not provide cleanup data.

## Requirements for Architectural Copper

**Protect water quality during installation, cleaning, treating, and washing!**

### Copper from Buildings May Harm Aquatic Life

Copper can harm aquatic life in San Francisco Bay. Water that comes into contact with architectural copper may contribute to impacts, especially during installation, cleaning, treating, or washing. Patination solutions that are used to obtain the desired shade of green or brown typically contain acids. After treatment, when the copper is rinsed to remove these acids, the rinse water is a source of pollutants. Municipalities prohibit discharges to the storm drain of water used in the installation, cleaning, treating and washing of architectural copper.



*Building with copper flashing, gutter and drainpipe.*

### Use Best Management Practices (BMPs)

The following Best Management Practices (BMPs) must be implemented to prevent prohibited discharges to storm drains.

#### ***During Installation***

- If possible, purchase copper materials that have been pre-patinated at the factory.
- If patination is done on-site, implement one or more of the following BMPs:
  - Discharge the rinse water to landscaping. Ensure that the rinse water does not flow to the street or storm drain. Block off storm drain inlet if needed.
  - Collect rinse water in a tank and pump to the sanitary sewer. Contact your local sanitary sewer agency before discharging to the sanitary sewer.
  - Collect the rinse water in a tank and haul off-site for proper disposal.
- Consider coating the copper materials with an impervious coating that prevents further corrosion and runoff. This will also maintain the desired color for a longer time, requiring less maintenance.



*Storm drain inlet is blocked to prevent prohibited discharge. The water must be pumped and disposed of properly.*

#### ***During Maintenance***

Implement the following BMPs during routine maintenance activities, such as power washing the roof, re-patination or re-application of impervious coating:

- Block storm drain inlets as needed to prevent runoff from entering storm drains.
- Discharge the wash water to landscaping or to the sanitary sewer (with permission from the local sanitary sewer agency). If this is not an option, haul the wash water off-site for proper disposal.

### Protect the Bay/Ocean and yourself!

If you are responsible for a discharge to the storm drain of non-stormwater generated by installing, cleaning, treating or washing copper architectural features, you are in violation of the municipal stormwater ordinance and may be subject to a fine.



*Photo credit: Don Edwards National Wildlife Sanctuary*

### Contact Information

The San Mateo Countywide Water Pollution Prevention Program lists municipal stormwater contacts at [www.flowstobay.org](http://www.flowstobay.org) (click on "Business", then "New Development", then "local permitting agency").

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**E-News****Contact the Staff of the City Manager's Office****City Hosting FREE County Household Hazardous Waste Collection Event!**

**Redwood City, CA - May 9, 2012** - Redwood City will host a free Household Hazardous Waste (HHW) Collection event this Saturday, providing an opportunity for residents to drop off their household hazardous waste for proper and safe disposal. The collection event is sponsored and conducted by the San Mateo County Environmental Health Pollution Prevention Program.

The HHW Collection event takes place this Saturday, May 12th from 8:30 am – noon.

**PLEASE NOTE: Appointments are required** and easy to make by phone (650) 363-4718 (option 3), or online at [www.smhealth.org/hhw](http://www.smhealth.org/hhw).

Items accepted include: paints, solvents, cleaners, light tubes, automotive products, garden chemicals, and hobby and pool products. This program does not accept: electronic waste, TVs, asbestos, or explosives. This is a great opportunity for community members to do some spring cleaning in the house and garage, and bring their household hazardous wastes for collection (limit of 10 pounds or 50 gallons of toxic material to be collected, per person).

The average home uses and stores more than 60 different hazardous products. Most household products like cleaners, paints, pesticides, and car products are safe if used and stored correctly. But, these same products can become dangerous when disposed of improperly. For example, if toxic household wastes are dumped into the gutter or down the drain, they will contaminate water, or disrupt the sewage treatment process. If they are thrown into the trash, they can injure or harm trash collectors. Leaving them stored for too long in cupboards or in the garage can also be dangerous to the household.

The County offers these tips for minimizing the use of toxics, using them safely, and reducing the amount that ends up in the environment:

- Use the least toxic product you can get. Buy only what you need.
- Use chemicals as directed by the label instruction.
- Store chemicals in safe places away from children, pets and fire sources. Long-term storage of toxic chemicals can be dangerous.
- Recycle products when you can and dispose of your toxic wastes at a collection center.
- Don't buy toxic products if you won't use them.
- Don't mix products! Never mix bleach with cleaners because toxic gases could result.
- Don't store products in unsafe areas, near access to children, pets, fire sources, or outdoors where containers may rust and corrode.
- Don't put toxics in the trash, down the drain, or in the gutter

The people of Redwood City are invited to do their part in ensuring household toxics are properly and safely disposed of – it's what's best for the environment, and for the

entire community. A lot of additional information on household hazardous wastes is online at [www.smhealth.org/hhw](http://www.smhealth.org/hhw). Information on recycling of other materials is available at [www.recycleworks.org](http://www.recycleworks.org).

Visit Redwood City's award-winning website at [www.redwoodcity.org](http://www.redwoodcity.org) for information about the City and its services, the community, recreation programs, education, and local business. Subscribe to Redwood City's newsletters and other City documents at [www.redwoodcity.org/egov](http://www.redwoodcity.org/egov).

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Contact:  
Malcolm Smith  
Public Communications Manager  
650-780-7305

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City of Redwood City  
Redwood City, California



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Please email any comments or suggestions to [webmaster@redwoodcity.org](mailto:webmaster@redwoodcity.org)

Unless otherwise noted, all phone numbers are in area code 650.