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Zone 7 Water Agency

# CITY OF NEWARK FISCAL YEAR 2015- 2016 ANNUAL REPORT OF STORMWATER PROGRAM IMPLEMENTATION

Submitted to:  
California Regional Water Quality Control  
Board, San Francisco Bay Region  
September 30, 2016



**CITY OF NEWARK, CALIFORNIA**

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37101 Newark Boulevard • Newark, California 94560-3796 • (510) 578-4000 • FAX (510) 578-4306

September 30, 2016

Mr. Bruce Wolfe  
Executive Officer  
California Regional Water Quality Control Board,  
San Francisco Bay Region  
1515 Clay St., Suite 1400  
Oakland, CA 94612

RE: CITY OF NEWARK FISCAL YEAR 2015-2016 ANNUAL REPORT

Dear Mr. Wolfe:

Enclosed is the City of Newark's Fiscal Year 2015-2016 Annual Report of Stormwater Program activities under the Municipal Regional Stormwater NPDES Permit No. CAS612008, as revised by Order No. CAS612008 on November 19, 2015. Program activities are discussed in detail in the attached report.

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

If you have any questions or comments regarding this submittal, or require further information, please contact me by telephone at (510) 578-4286 or by email at [soren.fajeau@newark.org](mailto:soren.fajeau@newark.org).

Sincerely,

SOREN FAJEAU, P.E.  
Public Works Director

Enclosure

**ATTACHMENT B**

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Section 1 – Permittee Information

Background Information					
Permittee Name:	City of Newark				
Population:	44,204				
NPDES Permit No.:	CAS612008				
Order Number:	R2-2015-0049				
Reporting Time Period (month/year):	July 2015 through June 2016				
Name of the Responsible Authority:	Soren Fajeau	Title:	Public Works Director		
Mailing Address:	37101 Newark Boulevard				
City:	Newark	Zip Code:	94560	County:	Alameda
Telephone Number:	(510) 578-4286	Fax Number:	(510) 578-4243		
E-mail Address:	Soren.fajeau@newark.org				
Name of the Designated Stormwater Management Program Contact (if different from above):		Title:			
Department:					
Mailing Address:					
City:		Zip Code:		County:	
Telephone Number:		Fax Number:			
E-mail Address:					

Section 2 - Provision C.2 Reporting Municipal Operations

**Program Highlights and Evaluation**

Highlight/summarize activities for reporting year:

Summary:

See Section C.2 - Municipal Operations - of the Alameda Countywide Clean Water Program's (ACCWP) FY 15-16 Annual Report for a description of activities implemented at the countywide and/or regional level.

The City of Newark's Maintenance Division participates actively with the Alameda Countywide Clean Water Program's (Countywide Program) Municipal Maintenance Subcommittee meetings, events, and training opportunities. The City's Maintenance Superintendent or a Maintenance Supervisor typically attends all subcommittee meetings and trainings with one or more additional Maintenance Division staff members. In FY 15-16, a new Maintenance Supervisor and another staff member attended the June 30, 2016 subcommittee meeting and training session that focused on priorities for FY 16-17 and implementation of the required Storm Water Pollution Prevention Plan (SWPPP) for corporation yards.

The City of Newark effectively implemented requirements related to Provision C.2 for Street and Road Repair and Maintenance (C.2.a), Sidewalk/Plaza Maintenance and Pavement Washing (C.2.b), and Bridge/Structure Maintenance and Graffiti Removal (C.2.c). Details are provided in the following sections.

There are no rural roads in the City of Newark.

The City has only one stormwater pump station which is located off of Crystal Springs Drive near Jarvis Avenue. Inspection results are no longer required to be reported annually in this report, but dissolved oxygen levels remained above 3.0 mg/L and small amounts of trash and debris were removed from the station vault.

The City's corporation yard is cleaned on a daily basis and inspected weekly by Maintenance Division staff. The yard is maintained in conformance with the Best Management Practices set forth in the corporation yard SWPPP.

Although detailed reporting is not required in the Annual Report in Section 2, the City continues to clean storm drain inlets, removal litter from parks, and provide ongoing street sweeping services. The City attempts to clean inlets at least once annually, although this goal is not reached every year due to staffing shortages. Focus is given to locations where previous or potential flooding conditions exist and at locations where full trash capture devices have been installed. Approximately 75% of the City's inlets were cleaned this past year. With the installation of full trash capture devices at a total of 249 inlets, maintenance of those locations has also been given priority. See Section C.10 for additional information.

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

Place a **Y** in the boxes next to activities where applicable BMPs were implemented. If not applicable, type **NA** in the box and provide an explanation in the comments section below. Place an **N** in the boxes next to activities where applicable BMPs were not implemented for one or more of these activities during the reporting fiscal year, then in the comments section below provide an explanation of when BMPs were not implemented and the corrective actions taken.

<b>Y</b>	Control of debris and waste materials during road and parking lot installation, repaving or repair maintenance activities from polluting stormwater
<b>Y</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>Y</b>	Sweeping and/or vacuuming and other dry methods to remove debris, concrete, or sediment residues from work sites upon completion of work.

Comments:  
 The vast majority of Newark’s street and road repair and maintenance activities, including all pavement resurfacing (pavement grind and overlay and slurry seal) and curb, gutter, and sidewalk repair/replacement work, are completed through City capital improvement projects by private contractors. The City has only two (2) street maintenance staff members. For all street and road maintenance work that is completed by in-house staff, which is generally limited to minor pothole repairs and concrete grinding, all applicable BMPs from the California Stormwater Quality Association’s (CASQA’s) Handbook from Municipal Operations are implemented. For the maintenance and street construction activities completed by City contractors, the CASQA Handbook for Construction BMPs are required to be implemented with the project specifications and are carefully observed and enforced by trained and experienced Engineering Division inspection staff throughout the construction phase of each project.

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

Place a **Y** in the boxes next to activities where applicable BMPs were implemented. If not applicable, type **NA** in the box and provide an explanation in the comments section below. Place an **N** in the boxes next to activities where applicable BMPs were not implemented for one or more of these activities during the reporting fiscal year, then in the comments section below provide an explanation of when BMPs were not implemented and the corrective actions taken.

<b>Y</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>Y</b>	Implementation of the BASMAA Mobile Surface Cleaner Program BMPs

Comments:  
 Street sweeping is the primary activity undertaken by the City’s Maintenance Division under C.2.b. Although pavement washing, mobile cleaning, and pressure washing operations are fairly rare occurrences, the required BMPs are implemented for all activities. The City’s Maintenance Supervisor responsible for all streets and parks activities is responsible for ensuring that the BASMAA Mobile Surface Cleaner Program is fully implemented by staff and/or the City’s contractor.

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

Place a **Y** in the boxes next to activities where applicable BMPs were implemented. If not applicable, type **NA** in the box and provide an explanation in the comments section below. Place an **N** in the boxes next to activities where applicable BMPs were not implemented for one or more of these activities during the reporting fiscal year, then in the comments section below provide an explanation of when BMPs were not implemented and the corrective actions taken.

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

Comments:  
 There is one bridge in Newark (the Channel Drive bridge near Lake Boulevard) over water, and it rarely requires maintenance. No maintenance was conducted on this bridge during the 2015-16 reporting period. Consistent with past years, no discharges were generated from graffiti removal activities because the City's graffiti removal team routinely paints over graffiti found on structures (most commonly concrete walls, traffic signal cabinets, etc.). The structures are sometimes wiped with rags and mild cleansers prior to painting, but there are no related pressure washing activities. All materials used for cleaning purposes are properly disposed without any discharges to the environment. Since no discharges were generated from either bridge/structural maintenance or from graffiti removal activities, NA response was provided for each of these categories. BASMAA Mobile Surface Cleaner Program BMPs have been incorporated for many years with all maintenance activities, employee and volunteer training, and contract specifications.

C.2.e. ► Rural Public Works Construction and Maintenance					
Does your municipality own/maintain rural <sup>1</sup> roads:		<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
If your answer is <b>No</b> then skip to C.2.f.					
Place a <b>Y</b> in the boxes next to activities where applicable BMPs were implemented. If not applicable, type <b>NA</b> in the box and provide an explanation in the comments section below. Place an <b>N</b> in the boxes next to activities where applicable BMPs were not implemented for one or more of these activities during the reporting fiscal year, then in the comments section below provide an explanation of when BMPs were not implemented and the corrective actions taken.					
<input type="checkbox"/>	Control of road-related erosion and sediment transport from road design, construction, maintenance, and repairs in rural areas				
<input type="checkbox"/>	Identification and prioritization of rural road maintenance based on soil erosion potential, slope steepness, and stream habitat resources				
<input type="checkbox"/>	No impact to creek functions including migratory fish passage during construction of roads and culverts				
<input type="checkbox"/>	Inspection of rural roads for structural integrity and prevention of impact on water quality				
<input type="checkbox"/>	Maintenance of rural roads adjacent to streams and riparian habitat to reduce erosion, replace damaging shotgun culverts and excessive erosion				
<input type="checkbox"/>	Re-grading of unpaved rural roads to slope outward where consistent with road engineering safety standards, and installation of water bars as appropriate				
<input type="checkbox"/>	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>1</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.

<b>C.2.f. ► Corporation Yard BMP Implementation</b>			
Place an <b>X</b> 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 <b>Stormwater Pollution Prevention Plan (SWPPP)</b> for the Corporation Yard(s)		
Place an <b>X</b> in the boxes below next to implemented SWPPP BMPs to indicate that these BMPs were implemented in applicable instances. If not applicable, type <b>NA</b> 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: The City has on corporation yard (the "Service Center"), located at 37440 Filbert Street. The Service Center is cleaned of loose debris on a daily basis. Weekly inspections are performed by Maintenance Division staff to ensure compliance with the SWPPP Best Management Practices. These weekly reports are retained on file by the Maintenance Division.			
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
City of Newark Service Center	Weekly inspections are completed by Maintenance Division staff	All Best Management Practices from the Corporation Yard SWPPP were properly implemented.	No follow-up actions were necessary.

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

**C.3.a. ► New Development and Redevelopment Performance  
Standard Implementation Summary Report**

*(For FY 15-16 Annual Report only) Provide a brief summary of the methods of implementation of Provisions C.3.a.i.(1)-(8).*

Summary:

Chapter 8.36, of the City of Newark Municipal Code titled “Stormwater Management and Discharge Control” provides the City legal authority to implement Provision C.3 of the Municipal Regional Stormwater NPDES Permit (Order No. R2-2015-0049).

The City’s development review process facilitated by the Planning Division of the Community Development Department typically begins with a pre-application meeting and submittal of draft plans for comment by the Planning Division, Engineering Division, Landscape-Parks Division, Newark Police Department, and the Alameda County Fire Department. The Engineering Division typically provides comments and conditions for projects that trigger C.3 LID requirements. Prior to Planning Commission and City Council review, the Preliminary Site Plan, Preliminary Utility Plan, Preliminary Grading/Drainage Plan, Stormwater Treatment Plan and sizing calculations are reviewed and approved by the Engineering Division. The applicant is also provided comments related to mitigation measures stated in the CEQA document or from specific studies performed. The City’s Stormwater Requirements Checklist (prepared by the Alameda County Clean Water Program) is also provided at this time to ensure that appropriate site design, source control, stormwater treatment measures, and hydromodification (if applicable) management are incorporated into the project. When all the department comments related to the site plan are satisfied and when the Engineering Division is comfortable with the proposed stormwater treatment plan, the proposed submittal is considered complete and ready for Planning Commission and City Council review. Once approved by the Planning Commission and City Council, the applicant submits construction drawings to the Building Inspection Division for City review by all departments. The Engineering Division (1) performs a more detailed review of the Site Plan, Utility Plan/Joint Trench Plans, Grading/Drainage Plan, Stormwater Treatment Plan, sizing calculations (2) provides additional comments to the site plan (3) ensures compliance with the recommended conditions of approval, including mitigation measures stated in the CEQA document and (4) reviews the Stormwater Pollution Prevention Plan (SWPPP), Erosion/Sediment Control Plan, hydrology/hydraulic calculations, and Landscape/Irrigation Plans. Prior to the issuance of any permits, the Engineering Division requires the property owner enter into a Stormwater Treatment Measures Maintenance Agreement and Landscape Maintenance Agreement with the City.

C.3 training hosted by the Alameda County Clean Water Program and private agencies is primarily attended by Engineering Division staff members responsible for the review and approval of stormwater treatment designs and who are responsible for stormwater inspections. The Engineering Division staff also attends the Alameda County Clean Water Program New Development Subcommittee meetings. Key C.3 changes related to new development projects are provided to the Building and Planning Divisions via informal (interdepartmental) training by the Engineering Division staff.

Updated outreach material provided by the Alameda County Clean Water Program is readily available and provided to all City Departments and interested parties as necessary. In addition to the comments and conditions provided by the Engineering Division during development and building permit plan review, developers, owner/builders, engineers, and architects are typically provided a copy of the recently updated information summary titled, “2016 Update: Stormwater Quality Control Requirements – Information for Developers, Builders, and Project Applicants (Dated April 2016)” prepared by the Alameda County Clean Water Program. Copies of specific C.3 sections from the MRP and relevant sections in the C.3 Stormwater Technical Guidance Version 5.0 are also provided to applicants to supplement comments and recommended conditions of approval. Applicants, architects, civil engineers, and landscape architects are encouraged to visit the Alameda County Clean Water Program

website for additional C.3 resources for new and redevelopment.

The City typically encourages site design and source control measures at unregulated projects with (1) general comments in plan check letters (development review and building permit phase) (2) in recommended conditions of approval (development review phase) and (3) providing handouts such as “2016 Update: Stormwater Quality Control Requirements” prepared by the Alameda County Clean Water Program. In addition, all regulated and non-regulated projects are required to complete the Stormwater Requirements Checklist. Section II.B of the checklist includes a list of site design measures and Section II.C of the checklist includes a list of source control measures that the applicant may apply to their project. The City will look at the applicant’s responses in Section II.B and II.C and determine if the project is incorporating a sufficient amount of site design and source control measures or if additional measures are needed. The City’s Stormwater Management and Discharge Control Ordinance and the MRP allow the City to require applicants to implement any necessary site design and source control measures.

The current Newark General Plan (adopted December 12, 2013) does not require revisions/updates. The existing General Plan covers topics in detail related to water quality/watershed protection, flood protection, habitat protection, groundwater recharge, and sustainable development.

**C.3.b.iv.(2) ► Regulated Projects Reporting**

See table C.3.b.iv.(2) below.

**C.3.c.ii ► Design Specifications for Pervious Pavement Systems**

(For FY 2015-16 Annual Report only). Submit design specifications for pervious pavement systems that have been developed and adopted on a regional or countywide basis. If design specifications have been adopted and are contained in a Countywide stormwater handbook, include a reference to the handbook.

Summary:

The City of Newark is following the design specifications included in the ACCWP C.3 Technical Guidance Manual. The City will include all pervious systems that total 3,000 square feet or more in tabular Excel file and include such systems in the O&M Inspection Plan.

**C.3.e.iv. ► Alternative or In-Lieu Compliance with Provision C.3.c.**

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 checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
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Comments: The City is choosing to require 100% LID treatment for all Regulated Projects.

**C.3.e.v ► Special Projects Reporting**

1. In FY 2015-16, 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)?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
2. In FY 2015-16, has your agency granted final discretionary approval to a Special Project? If yes, include the project in both the C.3.b.iv.(2) Table, and the C.3.e.v. Table.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No

If you answered "Yes" to either question,  
 1) Complete Table C.3.e.v. (NA)  
 2) Attach narrative discussion of 100% LID Feasibility or Infeasibility for each project. (NA)

**C.3.h.v.(2) ► Reporting Newly Installed Stormwater Treatment Systems and HM Controls (Optional)**

On an annual basis, before the wet season, provide a list of newly installed (installed within the reporting year) stormwater treatment systems and HM controls to the local mosquito and vector control agency and the Water Board. The list shall include the facility locations and a description of the stormwater treatment measures and HM controls installed.

See attached Table C.3.h.v.(2) for list of newly installed Stormwater Treatment Systems/HM Controls.

**C.3.h.v.(3)(a) –(c) and (f) ► Installed Stormwater Treatment Systems Operation and Maintenance Verification Inspection Program Reporting**

Guidance (all Permittees): Complete ONE of the following two tables. In FY 15-16, Permittees have an option to either report the number of sites inspected or the number of treatment measures inspected. Do not leave any cells blank. The calculation of the percentage of Regulated Projects or stormwater treatment/HM systems for which O&M verifications were conducted during the reporting period is based on the total number of projects or systems in the permittee’s database at the end of the previous fiscal year because projects added during the reporting fiscal year will likely have installation inspections and not O&M verification inspections, and it allows an agency to plan the required number of inspections to be conducted during the reporting period.

Option 1 – Reporting Site Inspections	Number/Percentage
Total number of Regulated Projects (including offsite projects, and Regional Projects) in your agency’s database or tabular format at the end of the previous fiscal year (FY14-15)	21
Total number of Regulated Projects (including offsite projects, and Regional Projects) in your agency’s database or tabular format at the end of the reporting period (FY 15-16)	28
Total number of Regulated Projects (including offsite projects, and Regional Projects) for which O&M verification inspections were conducted during the reporting period (FY 15-16)	21
Percentage of the total number of Regulated Projects (including offsite projects, and Regional Projects) inspected during the reporting period (FY 15-16)	100
<b>Option 2 – Reporting Stormwater Treatment System Inspections (Note: This option is available during FY 15-16 only)</b>	
Total number of stormwater treatment and HM systems in your agency’s database or tabular format at the end of the previous fiscal year (FY 14-15)	N/A
Total number of stormwater treatment systems in your agency’s database or tabular format at the end of the reporting period (FY 15-16)	N/A
Total number of stormwater treatment and HM systems inspected in the reporting period (FY 15-16)	N/A
Percentage of stormwater treatment and HM systems inspected in the reporting period (FY 15-16)	N/A

**C.3.h.v.(3)(d)-(e) ► Installed Stormwater Treatment Systems Operation and Maintenance Verification Inspection Program Reporting**

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: In comparison to the findings from the previous year, the condition of the landscaping within stormwater treatment systems have improved slightly (grass/shrubs greener and thicker). Businesses have slightly increased water usage (within limits by the Alameda County Water District's (ACWD) Water Conservation regulation) and incorporated a regular maintenance schedule performed by a professional landscaper familiar with maintenance of stormwater treatment systems. Sites with dying grass during the FY 2014-2015 have reached out to ACWD's water conservation consultant to evaluate the site landscaping needs and determine an action plan so landscape based stormwater treatment systems stay alive and are properly functioning as designed. A majority of the stormwater treatment systems are now maintained by professional landscapers and have irrigation systems on daily programs. In the past, landscapers were over trimming grass and shrubs but have been instructed by the City to allow the landscaping to grow. A common issue observed in landscape based treatment systems are curb openings being blocked by thick grass, lack of rock at curb openings, dead/brown landscaping due to lack of sprinkler coverage, grass being trimmed too short, and weeds. During the FY 2015-2016 reporting period, three sites were required to remove and replant the original landscaping/grass because the original landscaping had died due to lack of watering and maintenance. The vault based treatment systems (CDS Units, Vortex Units) within private properties are typically inspected and maintained regularly by private companies such as Storm Water Inspection and Maintenance Services, Inc. (SWIMS). Staff will consider 3<sup>rd</sup> party inspections for the next fiscal year but will have to contact SWIMS and other maintenance companies beforehand to ensure all the information stated in C.3.h (6)(d) of the MRP will be provided to the City. If a company who provides maintenance to the vault systems do not have the required information, the City will perform the inspection as needed. Maintenance reports of vault systems have been submitted in the past to the City by the property owners as evidence the vault system were maintained, later to be confirmed and inspected by the City. City owned vault based treatment systems in the public right-of-way or City property are inspected and maintained yearly by the Maintenance Division staff, at least once a year. The City has not have any issues with the existing vault based treatment systems in the public right-of-way and continue to see the usual floatables and murky water. Regular maintenance (minimum one visit a year) as required by the manufacture specifications is important to ensuring the proper working function of the vault based treatment systems.

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: As in previous years, the City of Newark continues to inspect all landscaped and vault based stormwater treatment systems throughout the City. In doing so, the City has established a familiarity with each site in general and associated stormwater treatment systems improving the O&M Program. Relationships are also created with the property managers/property owners which helps with scheduling annual inspections, ensuring weekly/monthly maintenance, and satisfying any corrections. No change to the prioritization plan will take place in the FY 2016-2017. The City will continue to inspect all existing and new stormwater treatment systems as part of the O&M verification program. Seven new sites to be inspected for the FY 2016-2017 have been inspected for installation for building permit sign off but not part of the City's O&M verification inspection program. The City will continue to work directly with property owner/property managers with issues regarding their stormwater treatment systems (throughout the year) and will use the recorded Stormwater Treatment Maintenance Agreement as a basis

and leverage to enforce any corrections.

**C.3.i. ► Required Site Design Measures for Small Projects and Detached Single Family Home Projects**

On an annual basis, discuss the implementation of the requirements of Provision C.3.i, including ordinance revisions, permit conditions, development of standard specifications and/or guidance materials, and staff training.

Summary:

BASMAA prepared standard specifications in four fact sheets regarding the site design measures listed in Provision C.3.i, as a resource for Permittees. The City continues to provide additional conditions of approval and provide forms/checklists to require all applicable projects approved after December 1, 2012 to implement at least one of the site design measures listed in Provision C.3.i. We are using the following Program and BASMAA products for C.3.i implementation:

- BASMAA's site design fact sheets
- The ACCWP C.3 Technical Guidance Manual Appendix L

**C.3.j.i.v.(d) ► Green Infrastructure Outreach**

On an annual basis, provide a summary of your agency's outreach and education efforts pertaining to Green Infrastructure planning and implementation.

Summary:

Staff has informed Engineering Division staff regarding the requirements of the Municipal Regional Stormwater Permit for Green Infrastructure Projects and to give consideration to upcoming capital improvement projects as potential early Green Infrastructure Project implementation.

The City Manager has been informed of the requirements for local adoption of a Green Infrastructure Plan by July 1, 2017.

Please refer to the Countywide Program's FY 15-16 Annual Report for a summary of outreach efforts implemented at the Countywide level.

**C.3.j.ii.(2) ► Early Implementation of Green Infrastructure Projects**

No Green Infrastructure Projects are currently planned.

The following City of Newark Capital Improvement Plan projects are currently unfunded, but have the potential to be Green Infrastructure Projects:

Cedar Boulevard Linear Park Extension  
Lindsay Tract Street and Storm Drainage Improvements  
Mowry Avenue Backup Wall and Landscape Improvements  
Newark Boulevard Backup Wall and Landscape Improvements  
Old Town PDA Streetscape Improvements  
St. Isabel Avenue Street Improvements Completion  
Thornton Avenue Streetscape Improvements (Elm to Willow Streets)

These projects have not yet been fully evaluated to determine how they might include green infrastructure projects to the maximum extent practicable.

Background Information:

Describe how this provision is being implemented by your agency, including the process used by your agency to identify projects with potential for green infrastructure, if applicable.

The City plans to utilize the “Worksheet for Identifying Green Infrastructure Potential in Municipal Capital Improvement Program Projects” prepared by the Alameda County Clean Water Program. The worksheet provides checklists to walk agency staff through the process of reviewing capital improvement program projects for green infrastructure developed by BASMAA. The City will also utilize the “Instructions for Estimating Total Area and Cost of Green Infrastructure Implementation” worksheet developed by the Alameda County Clean Water Program. The worksheet provides two sets of instructions to walk agency staff through the process of estimating total area and cost of implementing green infrastructure projects and achieving mercury and PCB and mercury waste load reduction targets identified in Provisions C.3.j, C.11.c, and C.12.c of the MRP2. The City will continue to receive updates from New Development Subcommittee meetings regarding the status of work groups created to develop mapping and GIS tools for green infrastructure.

Summary of Planning or Implementation Status of Identified Projects:

The following City of Newark Capital Improvement Plan projects are currently unfunded, but have the potential to be Green Infrastructure Projects:

Cedar Boulevard Linear Park Extension  
Lindsay Tract Street and Storm Drainage Improvements  
Mowry Avenue Backup Wall and Landscape Improvements  
Newark Boulevard Backup Wall and Landscape Improvements  
Old Town PDA Streetscape Improvements  
St. Isabel Avenue Street Improvements Completion  
Thornton Avenue Streetscape Improvements (Elm to Willow Streets)

These projects have not yet been fully evaluated to determine how they might include green infrastructure projects to the maximum extent practicable. Again, these projects are not yet funded.

**C.3.j.iii.(2) ► Participate in Processes to Promote Green Infrastructure**

On an annual basis, report on the goals and outcomes during the reporting year of work undertaken to participate in processes to promote green infrastructure.

Please refer to the Countywide Program's FY 15-16 Annual Report for a summary of efforts conducted to help regional, State, and federal agencies plan, design and fund incorporation of green infrastructure measures into local infrastructure projects, including transportation projects.

**C.3.j.iv.(2) ► Tracking and Reporting Progress**

On an annual basis, report progress on development and implementation of methods to track and report implementation of green infrastructure measures and provide reasonable assurance that wasteload allocations for TMDLs are being met.

Please refer to the Countywide Program's FY 15-16 Annual Report for a summary of methods being developed to track and report implementation of green infrastructure measures.

<b>C.3.b.iv.(2) ► Regulated Projects Reporting Table (part 1) – Projects Approved During the Fiscal Year Reporting Period</b>											
Project Name Project No.	Project Location <sup>8</sup> , Street Address	Name of Developer	Project Phase No. <sup>9</sup>	Project Type & Description <sup>10</sup>	Project Watershed <sup>11</sup>	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft <sup>2</sup> ) <sup>12</sup>	Total Replaced Impervious Surface Area (ft <sup>2</sup> ) <sup>13</sup>	Total Pre- Project Impervious Surface Area <sup>14</sup> (ft <sup>2</sup> )	Total Post- Project Impervious Surface Area <sup>15</sup> (ft <sup>2</sup> )
<b>Private Projects</b>											
Staybridge Suites, Springhill Suites, and Bubba's 33	6000 Newpark Mall Rd (cross street: Balentine Drive)	Syufy Enterprises	N/A	Redevelopment - 2 Hotel buildings and one restaurant	Mowry Slough	6.79	6.79	60,662	163,295	163,295	223,957
<b>Public Projects</b>											
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Note: The City did not have any public regulated projects for the 2015-2016 FY reporting period.											

<sup>8</sup>Include cross streets

<sup>9</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>10</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>11</sup>State the watershed(s) in which the Regulated Project is located. Downstream watershed(s) may be included, but this is optional.

<sup>12</sup>All impervious surfaces added to any area of the site that was previously existing pervious surface.

<sup>13</sup>All impervious surfaces added to any area of the site that was previously existing impervious surface.

<sup>14</sup>For redevelopment projects, state the pre-project impervious surface area.

<sup>15</sup>For redevelopment projects, state the post-project impervious surface area.

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

Project Name Project No.	Application Deemed Complete Date <sup>16</sup>	Application Final Approval Date <sup>17</sup>	Source Control Measures <sup>18</sup>	Site Design Measures <sup>19</sup>	Treatment Systems Approved <sup>20</sup>	Type of Operation & Maintenance Responsibility Mechanism <sup>21</sup>	Hydraulic Sizing Criteria <sup>22</sup>	Alternative Compliance Measures <sup>23/24</sup>	Alternative Certification <sup>25</sup>	HM Controls <sup>26/27</sup>
<b>Private Projects</b>										
Staybridge Suites, Springhill Suites, and Bubba's 33	03/22/16	04/16/16	Mark on-site inlets with the words, "No Dumping! Flows to Bay", plumb interior floor drains to sanitary sewer, include plants that are pest and /or disease-resistant, drought tolerant, minimize pesticides and quick-release fertilizers, use efficient irrigation system, design to minimize runoff, provide grease interceptor connected to sanitary sewer, equipment	Direct roof, sidewalk, walkways, and/or patios, uncovered parking lots and/or driveway runoff onto vegetated areas, use micro-detention, including distributed landscape-based detention, self-treating, and self-retaining areas.	Bioretention areas and Flow-through planters	Stormwater Treatment Measures Maintenance Agreement/ Operation and Maintenance Information Form (O&M agreement with private landowner)	Combination Flow and Volume (C.3.d(3))	No alternative compliance involved in this project.	No alternative certification involved in this project. City Staff determined compliance with Provision C.3.d.	Yes, project is subject to hydromodification management requirements. Bio-retention drainage areas have a deepened gravel

<sup>16</sup>For private projects, state project application deemed complete date. If the project did not go through discretionary review, report the building permit issuance date.

<sup>17</sup>For private projects, state project application final discretionary approval date. If the project did not go through discretionary review, report the building permit issuance date.

<sup>18</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>19</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>20</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>21</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>22</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>23</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>24</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>25</sup>Note whether a third party was used to certify the project design complies with Provision C.3.d.

<sup>26</sup>If HM control is not required, state why not.

<sup>27</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.iv.(2) ► Regulated Projects Reporting Table (part 2) – Projects Approved During the Fiscal Year Reporting Period (private projects)**

Project Name Project No.	Application Deemed Complete Date <sup>16</sup>	Application Final Approval Date <sup>17</sup>	Source Control Measures <sup>18</sup>	Site Design Measures <sup>19</sup>	Treatment Systems Approved <sup>20</sup>	Type of Operation & Maintenance Responsibility Mechanism <sup>21</sup>	Hydraulic Sizing Criteria <sup>22</sup>	Alternative Compliance Measures <sup>23/24</sup>	Alternative Certification <sup>25</sup>	HM Controls <sup>26/27</sup>
			washing area tied to sanitary sewer, dumpsters/compactors/tall bin serving areas connected to the sanitary sewer, cover outdoor equipment areas with roof, design fire sprinkler discharge to landscape or sanitary sewer, drain condensate of air conditioning units to landscaping, roof drains to landscape area, drain boiler lines and rooftop equipment to sanitary sewer							section from the standard C3 guidelines which allows for some additional detention time. This was determined based on the BAHM program.

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

Project Name	Approval Date <sup>28</sup>	Date Construction Scheduled to Begin	Source Control Measures <sup>29</sup>	Site Design Measures <sup>30</sup>	Treatment Systems Approved <sup>31</sup>	Operation & Maintenance Responsibility Mechanism <sup>32</sup>	Hydraulic Sizing Criteria <sup>33</sup>	Alternative Compliance Measures <sup>34/35</sup>	Alternative Certification <sup>36</sup>	HM Controls <sup>37/38</sup>
<b>Public Projects</b>										
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Note: The City did not have any public regulated projects for the 2015-2016 FY reporting period.										

<sup>28</sup>For public projects, enter the plans and specifications approval date.

<sup>29</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>30</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>31</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>32</sup>List the legal mechanism(s) (e.g., maintenance plan for 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>33</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>34</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>35</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>36</sup>Note whether a third party was used to certify the project design complies with Provision C.3.d.

<sup>37</sup>If HM control is not required, state why not.

<sup>38</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.v.(2). ► Table of Newly Installed<sup>39</sup> Stormwater Treatment Systems and Hydromodification Management (HM) Controls (Optional)**

Name of Facility	Address of Facility	Party Responsible <sup>40</sup> For Maintenance	Type of Treatment/HM Control(s)
Morton Salt	7380 Morton Avenue	Morton Salt Inc.	Bioretention Area
360 Storage Center	6649 Central Avenue	Venkata Vemireddy	Bioretention Area
Public Storage	6800 Overlake Place	Public Storage Inc.	Bioretention Area
Cedar Lane (Tract 8166)	39850 Cedar Boulevard	Cedar Lane Homeowner's Association	Bioretention Area & Hydromodification Vault
Trumark (Tract 8130)	5573 Rosa Way	Timber Street, LLC	Bioretention Area
Equinox (Tract 8165)	6000 Allium Place	Continental Residential Inc. Homeowner's Association	Bioretention Area
Casa Bella Homes (Tract 8028)	6249 Thornton Avenue	Casa Bella Homes Homeowner's Association	Bioretention Area

<sup>39</sup> "Newly Installed" includes those facilities for which the final installation inspection was performed during this reporting year.

<sup>40</sup> State the responsible operator for installed stormwater treatment systems and HM controls.

C.3.e.v.Special Projects Reporting Table												
Reporting Period – July 1 2015 - June 30, 2016												
Project Name & No.	Permittee	Address	Application Submittal Date <sup>41</sup>	Status <sup>42</sup>	Description <sup>43</sup>	Site Total Acreage	Gross Density DU/Acre	Density FAR	Special Project Category <sup>44</sup>	LID Treatment Reduction Credit Available <sup>45</sup>	List of LID Stormwater Treatment Systems <sup>46</sup>	List of Non-LID Stormwater Treatment Systems <sup>47</sup>
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
The City did not have a special project during the 2015-2016 FY reporting period.												

<sup>41</sup>Date that a planning application for the Special Project was submitted.

<sup>42</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>43</sup>Type of project (commercial, mixed-use, residential), number of floors, number of units, type of parking, and other relevant information.

<sup>44</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>45</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>46</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>47</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.

Special Projects Narrative:

N/A - The City did not have a special project during the 2015-2016 FY reporting period.

**C.3.j.ii.(2) ► Table A - Public Projects Reviewed for Green Infrastructure**

Project Name and Location <sup>42</sup>	Project Description	Status <sup>43</sup>	GI Included? <sup>44</sup>	Description of GI Measures Considered and/or Proposed or Why GI is Impracticable to Implement <sup>45</sup>
N/A	N/A	N/A	N/A	N/A

Note: The City did not have a public project to review for Green Infrastructure during the 2015-2016 FY reporting period.

**C.3.j.ii.(2) ► Table B - Planned Green Infrastructure Projects**

Project Name and Location <sup>46</sup>	Project Description	Planning or Implementation Status	Green Infrastructure Measures Included
N/A	N/A	N/A	N/A

Note: The City does not have any planned Green Infrastructure projects during the 2015-2016 FY reporting period. Potential future Green Infrastructure projects are identified in section C.3.j.ii above, but are not yet funded.

<sup>42</sup> List each public project that is going through your agency’s process for identifying projects with green infrastructure potential.

<sup>43</sup> Indicate status of project, such as: beginning design, under design (or X% design), projected completion date, completed final design date, etc.

<sup>44</sup> Enter “Yes” if project will include GI measures, “No” if GI measures are impracticable to implement, or “TBD” if this has not yet been determined.

<sup>45</sup> Provide a summary of how each public infrastructure project with green infrastructure potential will include green infrastructure measures to the maximum extent practicable during the permit term. If review of the project indicates that implementation of green infrastructure measures is not practicable, provide the reasons why green infrastructure measures are impracticable to implement.

<sup>46</sup> List each planned (and expected to be funded) public and private green infrastructure project that is not also a Regulated Project as defined in Provision C.3.b.ii. Note that funding for green infrastructure components may be anticipated but is not guaranteed to be available or sufficient.

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

**Program Highlights and Evaluation**

Highlight/summarize activities for reporting year:

The City's Industrial and Commercial inspections during the FY2015-16 reporting period continues to improve as staff gains experience and NOI facilities appear to be making BMPs and general housekeeping practices a priority during their normal business operations. The sites covered under the Water Board NOI program will continue to be considered "high priority" sites and inspected on an annual basis with supplemental inspections/site visits as needed based on current site conditions and any complaints by nearby properties. There have been no significant changes to the City's business plan. However, the City does plan on increasing the facility inspection list to new businesses, recycling facilities, questionable sites in industrial/commercial areas, site's directly adjacent to earthen/hard channels, restaurants, car dealerships, and to those businesses applying to be included in the Alameda County Green Business Program. The City will continue to use the updated Alameda Countywide Clean Water Program Standard Stormwater Facility Inspection Report Form, attend IIDC Subcommittee bimonthly meetings as necessary and annual workshops. The City continues to send representatives from the Building Inspection Division, Maintenance Division, Community Development/Code Enforcement, and Engineering Division to annual trainings and workshops.

**C.4.b.iii ► 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.

Aryzta, Pabco Gypsum, Sanmina, Oak Harbor Freight, AHG Recycling, Morton Salt, Steeler Inc., Safety Kleen, Ferma Corporation, Pick-N-Pull, BASF, Jaffy Property, Quiet Rock, Cargill Salt, Pape Machinery, 5-Star Lumber Company, Lion Mall, European Auto Wreckers, Manufactured Packaging Products/Orora, C&Y Global Group California Inc., Newark Unified School District Corp Yard, Matheson Tri Gas, Finish Line Sawing and Drilling, Elite Recycling, Redwood Coast Petroleum, Trench Plate Rental, Kateeva Inc., Happy Kitchen, New Hwong, Kok, Bombay Garden, Huong Lan Sandwiches & Noodle Soup, Ace King, Papaya Thai, A's Sushi, Beque Korean Grill, Lion Center

**C.4.d.iii.(1)(a) ► 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.		
	<b>Number</b>	<b>Percent</b>	
Number of businesses inspected		36	
Total number of inspections conducted		53	
Number of violations (excluding verbal warnings)		3	
Sites inspected in violation		14	39
Violations resolved within 10 working days or otherwise deemed resolved in a longer but still timely manner		12	86
Comments:			

1) "Sites inspected in violation" are reported when a site has one or more violations and typically require corrective action and a follow-up inspection. Multiple violations are reported as one violation for a site. All the violations for the FY2015-2016 period were verbal warnings with exception to three sites (Redwood Petroleum, AHG Group, Jaffe Property) that failed to resolve violations within ten working days and required additional warning notices. Two sites (Pick-N-Pull, Fine Line Sawing & Drilling) need more time due to the extent of the construction site improvements and BMPs/erosion control measures required. All sites will be monitored closely during the rainy season.

2) Violations not resolved within ten days.

-AHG Group – Company needs additional time to have the required BMPs in place. Additional time granted due to the lack of rain in the forecast and the fire on July 8, 2016 which involved extensive clean up and construction in addition to mitigation measures from several agencies, specifically the Alameda County Fire Department, City of Newark Building Division, Alameda County Environmental Health, and the Alameda County Flood Control District. Company is currently cleaning up the site and should have the catch basins protected. The City will monitor site and require that cleanup is complete prior to the start of the rainy season.

-Jaffy Property – Additional gravel or paving for the main drive aisle, clean-up, and a long stretch of perimeter protection along the frontage of this site is the reason why violations could not be corrected within ten working days. The cost and the amount of work requires additional time. In addition, staff has had to provide additional assistance to clarify some of the items on the inspection report. Correspondence through email (property owner in New York) and field meetings with local site operators were required and has resulted in a delay. Minimum BMPs currently in place and the site manager has agreed to eliminate potential erosion issues along the frontage of the site. The City will follow up prior to the start of the rainy season. This site is a potential "non-filer" and has been instructed to contact the Regional Water Quality Control Board to determine if discharges need to be permitted.

- Redwood Coast Petroleum – Due to space restraints in the existing warehouse and throughout the property, the company placed drums full of liquid/oil outdoors not within secondary containment. The drums were placed right side up and capped and the nearest was protected heavily. The City preferred the drums be placed indoors with drains connected to the sanitary sewer. Company eventually moved and is no longer in Newark. The new company on the site will be inspected during the 2016-2017 reporting period.

-Pick-n-Pull – An outdoor used oil storage tank was not roofed or bermed. In order to construct a roof and concrete berm around the storage tank additional time is required due to management approval, cost, permits, scheduling and delivery time of the parts/material. The City will follow up prior to the rainy season and will require as a temporary measure, compost rolls/sandbags around the area for protection before construction begins for the new improvements. Temporary BMPs are in place and should be sufficient at protecting water quality. City to monitor the site during the rainy season.

-Fine Line Sawing & Drilling – Due to the scope of the required site improvements (asphalt, material containers, cleanup, etc.), additional time will be needed. General BMPs to be in place before improvements are constructed. The City will monitor site during the rainy season.

**C.4.d.iii.(1)(b) ► 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(17)

There were 17 sites that required corrective action and given a verbal warning or written notice (in parenthesis). We are assuming that if the

corrective actions (verbal warnings or written notice) are not addressed, the potential for future discharges can increase which is why we are including verbal warnings and written notices to the table. There were zero active non-stormwater discharges for commercial and industrial inspections scheduled during the FY 2015-2016. If any discharge would occur, the City would count one discharge per inspection per site.

**C.4.d.iii.(1)(b) ► Frequency and Type of Enforcement Conducted**

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

	Enforcement Action (as listed in ERP) <sup>47</sup>	Number of Enforcement Actions Taken	% of Enforcement Actions Taken <sup>48</sup>
Level 1	Verbal Warning	14	82
Level 2	Written Enforcement	3	18
Level 3	Administrative Fine	0	0
Level 4	Legal Action	0	0
<b>Total</b>		17	100

<sup>47</sup>Agencies to list specific enforcement actions as defined in their ERPs.

<sup>48</sup>Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.

**C.4.d.iii.(1)(c) ▶ Types of Violations Noted by Business Category**

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

Business Category <sup>49</sup>	Number of Actual Discharge Violations	Number of Potential/Other Discharge Violations
State of California's Industrial General Permit program (NOI)	0	0
Commercial & Industrial Site	0	0

**C.4.d.iii.(1)(d) ▶ 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:

Fine Line Sawing and Drilling (6995 Central Avenue) (Instructed to contact the State Water Resources Control Board)  
 Jaffe Property (6753/6792 Central Avenue) (Instructed to contact the State Water Resources Control Board)

**C.4.e.iii ▶ Staff Training Summary**

Training Name	Training Dates	Topics Covered	No. of Industrial/Commercial Site Inspectors in Attendance	Percent of Industrial/Commercial Site Inspectors in Attendance	No. of IDDE Inspectors in Attendance	Percent of IDDE Inspectors in Attendance
MRP 2.0 What Does It Mean For Inspectors? By Alameda County Cleanwater Program	6/9/16	MRP 2.0 What has changed in C.4, C.5, C.15; BMP Installations: Is it working?; Utility Vault Discharges under the General Permit; Drinking Water System Discharges under the General Permit; Illicit Discharge Case Study – Cart Washing; Field Scenarios – Enforcement	1	100	1	100
EPA Region IX & California State Water Resources Control Board Industrial Storm Water NOI/NEC Training	5/24/16	California Industrial Storm Water Program Overview; Industrial Activities Subject to IGP & SIC Codes; NEC Coverage and Requirements; NOI/NEC Determinations and Examples	1	100	1	100

<sup>49</sup>List your Program's standard business categories.

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

**Program Highlights and Evaluation**  
 Highlight/summarize activities for reporting year:

Provide background information, highlights, trends, etc.

The City saw a slight increase in the total number of reported discharges during FY 2015-2016. Building Division, Maintenance Division, Code Enforcement, and Planning Staff becoming more aware of water quality/environmental protection issues have helped the Engineering Division respond to spills in a timely manner. Staff is reminded during regular staff meetings to pay close attention to water quality impacts (especially during the rainy season in the streets and on construction sites) and to notify Engineering Staff if any questions or concerns arise. City staff continues to be notified by the Alameda County Department of Environmental Health of discharges or questionable sites.

The Engineering Division of the Public Works Department attends the Industrial and Illicit Discharge Control (I&IDC) Subcommittee meetings as often as possible and continues to obtain more knowledge on issues related to illicit discharge detection from experience from other agencies and training/workshops. The City continues to be up-to-date on outreach materials prepared by the Alameda County Clean Water Program and will move forward with distributing the updated "Tips for a Cleaner Bay – How your Business Can Prevent Stormwater Pollution" booklet and other specific discharge outreach items such as the "Stormwater Best Management Practices (BMPs) for Residential Swimming Pool, Spa, or Fountain Maintenance," "Auto Related BMP" booklet, "Proper Disposal of Wastewater – Fundraising Car Washes," and "Tips for a Cleaner Bay – How Your Vehicle Service Facility Can Prevent Stormwater Pollution". The City hopes to expand general knowledge for stormwater related facility inspections and other stormwater related topics by viewing past presentations from annual California Stormwater Quality Association (CASQA) Annual Conferences. If time and resources are allows, the City plans on attending future conferences.

The City continues to routinely check the collection system for illicit discharges and illegal dumping. This primarily involves examination of flood control channels at street crossings. These inspections are typically completed by Engineering Division staff. Maintenance Division staff also performs visual inspections of the collection system in their daily duties when inlet cleaning activities are underway during street sweeping operations.

The City plans to eventually utilize the new/updated Alameda County Clean Water Program facility inspection database once more guidance is provided with regards to installing the new software and transferring data from the old program. The City is looking forward to participating in future training opportunities for the new facility inspection database.

The City is aware of the County Environmental Health Mobile Food Truck Program and will continue to monitor mobile food trucks to ensure that food vehicle operations do not discharge wash waters (grey water), food related wastes, and trash/litter to streets, gutters, and storm drains. The City will ensure that food trucks have a permit with the Alameda County Environmental Health Department if any questions arise and will provide enforcement actions and guidance if necessary. Similarly, the City will continue to implement minimum standards and BMPs for other mobile business such as mobile cleaners. The City hopes to obtain additional outreach and education for mobile businesses provided by the Public Information and Participation Committee of the Alameda County Clean Water Program.

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

List below or attach your complaint and spill response phone number

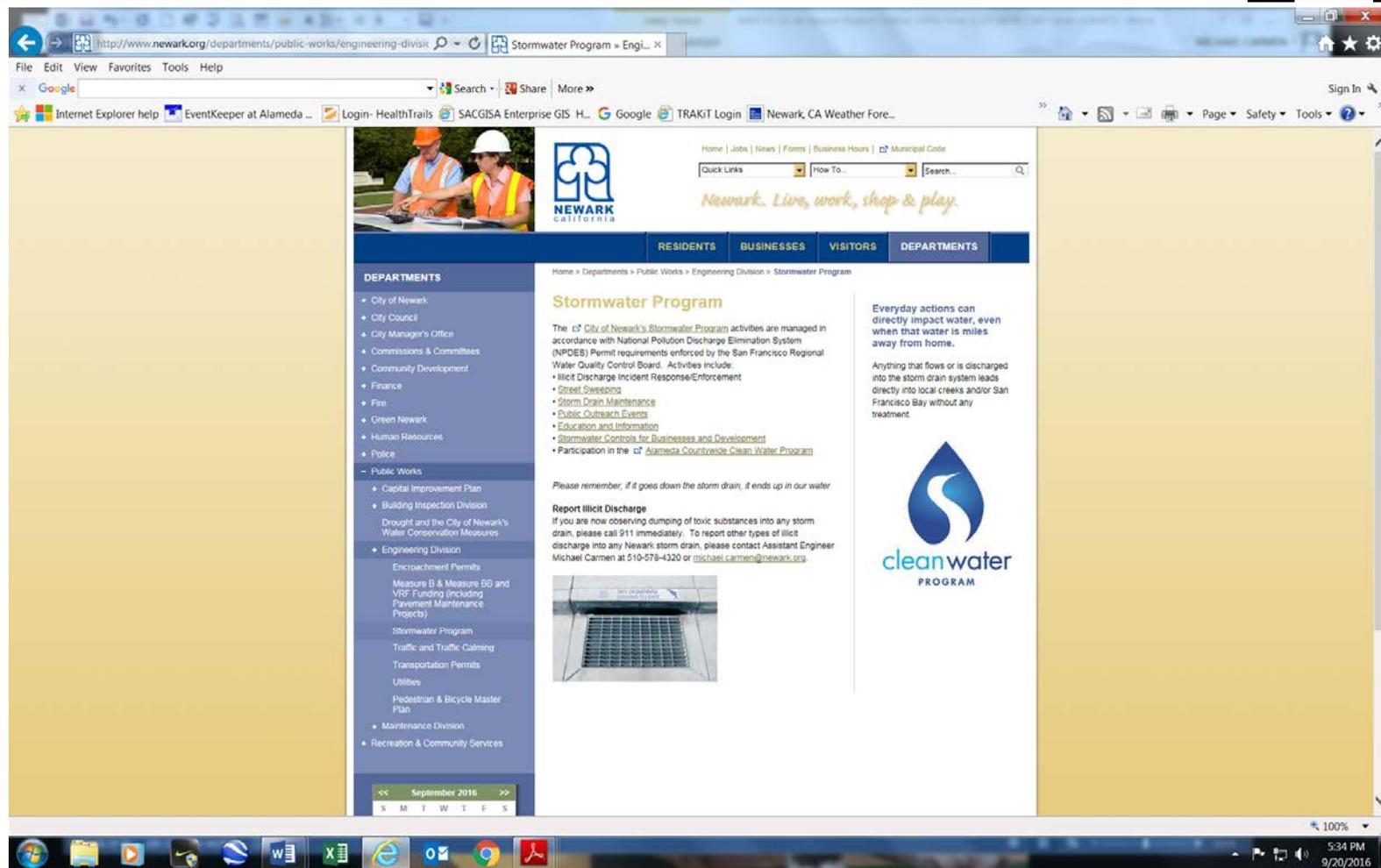
Michael Carmen, Public Works – Engineering Division, (510) 578-4320

Provide your complaint and spill response web address, if used (See Below)

http://www.newark.org/departments/public-works/engineering-division/stormwater-program/

Is a screen shot of your website showing the central contact point attached?

<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
-------------------------------------	-----	--------------------------	----



If No, explain: See screen shot above.

Provide a discussion of how the central contact point (complaint and spill response phone number and, if used, web address) is being publicized to your staff and the public.

The central contact for complaint and spill response is being publicized to the public through the City’s website. The path from the City’s homepage is (click on): Public Works/Engineering Division/Stormwater Program. City Staff, Alameda County Fire Department, and the Police Department are aware who the City’s central contact is for complaint and spill response through knowledge of the responsibilities of City departments, particularly the Public Works Department.

**C.5.d.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.d.iii.(1))	9	
Discharges reaching storm drains and/or receiving waters (C.5.d.iii.(2))	5	56
Discharges resolved in a timely manner (C.5.d.iii.(3))	4	44

The City’s illicit discharge complaint and response program has not changed and is implemented through the Public Works Department - Engineering Division. Generally, once a report/call is received or if an illicit discharge is observed, the following action items occur: (1) a staff member immediately drives to the site (2) property owner or site manager is contacted and is required to have the illicit discharge cleaned up immediately by a professional company (3) a report is completed and video/pictures are taken by City Staff. If no controls are at the location upon arriving to the site, the City may contact the Alameda County Fire Department or the City’s Maintenance Division for temporary measures such as sandbags, fiber/compost roll (booms), filter fabric, absorbent, etc. If the discharge flows beyond the storm drain system into a nearby channels or creeks, the Alameda County Flood Control District and the Department of Fish and Game (if necessary) are contacted. City staff remains on the site until staff determines that clean-up operations are under control, the site is safe for public access and clean. Additional follow-up visits are typically made to ensure that all required measures are in place and that the discharge will not occur again. Discharges that do not make it to a storm drain system are treated the same as if there was an actual discharge. Discharges that are unsubstantiated in the field but were called in by a resident or other public agency is documented, nearby storm drain structures, channels, and creeks are inspected, and the property owner is notified either verbally or in writing depending on the type of discharge. The City will continue to implement the updated Enforcement Response Plan to achieve timely and effective abatement of illicit discharges.

Out of the five non-stormwater discharges that made it to the storm drain system, four cases were resolved in a timely manner. The discharges were related to pond water/filter backwash, vegetable oil, sewage overflow, and dewatering (sediment laden) groundwater. The single case that was not resolved in a timely manner was related to swimming pool discharge, which took place before the call was made to the City (to investigate) and the proper controls, or inspections/testing did not take place. In the case with the swimming pool discharge, the property owner was warned and provided an information summary detailing the conditions in which swimming pool water may be discharged and possible options to discharge swimming pool water (sanitary sewer, landscaping, garage sink, etc.) in the future. The City makes available the information summary titled, “Stormwater Best Management Practices (BMPs) for Residential Swimming Pool, Spa, or Fountain Maintenance” at the front counter in the Building Division for residents who plan on draining their swimming pools correctly. The discharges that did not make it to the storm drain system were related to vehicle leaks, equipment washing/fuel spill, cement base spill, and truck oil spill. Lack of volume or liquid consistence (lack of flow ability) resulted in a more contained spill/leak.

**C.5.f.iii ► MS4 Map Availability**

Discuss how you make your MS4 map available to the public and how you publicize the availability of the MS4 map.

City storm drain (MS4) maps and as-built street improvement plans that show storm drain lines are available to the public through the City's Public Works - Engineering Division. City staff will be working with the Southern Alameda County GIS Authority (SACGISA) to potentially include storm drain line information in the public eGIS interactive map available on the web. Once the storm drain lines are provided in eGIS, City staff will work with Information Systems (IS) staff to include a link to the newly created Newark eGIS interactive map to the City's website, under the "Utilities" subsection of the Engineering Division. Access to the current MS4 maps are mentioned/publicized in the City's website. Residents are encouraged to contact the Public Works - Engineering Division for copies of the MS4 map and as-built drawings, if needed.

Section 6 – Provision C.6 Construction Site Controls

<b>C.6.e.iii.(1) ► Hillside Development Criteria</b>			
What criteria is your agency using to determine hillside development areas?	<input type="checkbox"/>	Local criteria such as maps of hillside development areas or other written criteria	<input checked="" type="checkbox"/> The permit definition of projects on sites with ≥ 15% slope
Attach a copy of hillside development area maps or provide your written criteria below, if applicable.			
Description: Sites with a slope (confirmed by the site/project topographic plan) equal to or greater than 15% is considered a hillside development area. These sites will be inspected on a monthly basis during the wet season starting July 1, 2016.			

<b>C.6.e.iii.2.a, b, c ► Site/Inspection Totals</b>		
Number of High Priority Sites (sites disturbing < 1 acre of soil requiring storm water runoff quality inspection) (C.6.e.iii.1.a)	Number of sites disturbing ≥ 1 acre of soil (C.6.e.iii.1.b)	Total number of storm water runoff quality inspections conducted (include only High Priority Site and sites disturbing 1 acre or more) (C.6.e.iii.1.c)
# 0	# 11	# 78
The common correction items during construction was stabilized construction entrance maintenance, sediment tracking to public streets, pavement sweeping, dust control, concrete washout maintenance, soil stockpile protection, inlet protection, and perimeter site protection. Staff performed an additional fifteen construction site inspections on two sites (Salvation Army (new building plus site improvements) & Casa Bella (new residential development)) which disturbed less than one acre of impervious surface. Both sites involved site grading.		

<b>C.6.e.iii.2.d ► Construction Activities Storm Water Violations</b>		
<b>BMP Category</b>	<b>Number of Violations<sup>50</sup> excluding Verbal Warnings</b>	<b>% of Total Violations<sup>51</sup></b>
Erosion Control	0 (0)	0 (0)
Run-on and Run-off Control	0 (0)	0 (0)
Sediment Control	2 (43)	100 (53)
Active Treatment Systems	0 (0)	0 (0)
Good Site Management	0 (37)	0 (45)
Non Stormwater Management	0 (2)	0 (2)
Total <sup>52</sup>	2 (82)	100 (100)
Note: The numbers in parentheses in the above table represent "Verbal Warning" violations. The number not in parentheses represent violations that required "Written Enforcement", "Notice to Comply", or "Stop Work Order." (Level 2) in the form of a letter or email to the property owner or contractor. For the 2015-2016 FY, the City had a total of two inspections that required additional written enforcement documents.		

<sup>50</sup>Count one violation in a category for each site and inspection regardless of how many violations/problems occurred in the BMP category. For example, if during one inspection at a site, there are 2 erosion control violations, only 1 violation would be counted for this table.

<sup>51</sup>Percentage calculated as number of violations in each category divided by total number of violations in all six categories.

<sup>52</sup>The total number of violations may count more than one violation per inspection, since some inspections may result in violations in more than one category. For example, during one inspection of a site, there may have been both an erosion control violation and a sediment control violation. For this reason, the total number of violations in this table may not match the total number of enforcement actions reported in Table C6.e.iii.1.e.

**C.6.e.iii.2.e ► Construction Related Storm Water Enforcement Actions**

	Enforcement Action (as listed in ERP) <sup>53</sup>	Number Enforcement Actions Issued	% Enforcement Actions Issued <sup>54</sup>
Level 1 <sup>55</sup>	Verbal Warning	82	98
Level 2	Written Enforcement	2	2
Level 3	Administrative Fee	0	0
Level 4	Legal Action	0	0
Total		84	100%

**C.6.e.iii.2.f, g ► Illicit Discharges**

	Number
Number of illicit discharges, actual and those inferred through evidence at high priority sites and sites that disturb 1 acre or more of land (C.6.e.iii.1.f)	0
Number of sites with discharges, actual and those inferred through evidence at high priority sites and sites that disturb 1 acre or more of land (C.6.e.iii.1.g)	0

<sup>53</sup>Agencies should list the specific enforcement actions as defined in their ERPs.

<sup>54</sup>Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.

<sup>55</sup>For example, Enforcement Level 1 may be Verbal Warning.

<b>C.6.e.iii.2.h, i ► Violation Correction Times</b>		
	<b>Number</b>	<b>Percent</b>
<b>Violations (excluding verbal warnings) fully corrected within 10 business days after violations are discovered or otherwise considered corrected in a timely period (C.6.e.iii.1.h)</b>	2	100% <sup>56</sup>
<b>Violations (excluding verbal warnings) not fully corrected within 30 days after violations are discovered (C.6.e.iii.1.i)</b>	0	100% <sup>57</sup>
<b>Total number of violations (excluding verbal warnings) for the reporting year<sup>58</sup></b>	2	100%
<p><b>Comments:</b>                      The two violations that required written enforcement were addressed within ten business days. Since failure to correct a written violation involves the issuance of a "Stop Work Order" contractors were very responsive. Contractors are warned that "Stop Work Orders" typically involve a complete halt to all City inspections through the Building and Engineering Divisions and the Planning and Fire Departments. Contractors and subcontractors are also not allowed to perform building or site work. General access to the site is prohibited (limited to erosion control contractors) until all violations are corrected.</p>		

<b>C.6.e.iii.(4) ► 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>In comparison to the 2014-2015 FY, a majority of the verbal warnings issued during the 2015-2016 FY continue to be sediment control measures ie perimeter protection, stabilized construction entrances, dust control, street sweeping, inlet protection, etc. Construction entrances continue to challenge <u>all</u> contractors. The two site violations that required written enforcement were related to construction entrances. Both contractors both failed at providing the correct size rock, the correct construction entrance length, and provide proper maintenance of the construction entrances on their site. In addition to four to six inch course rock, rumble plates are also required for sites that need additional enforcement, have space restrictions, or who are waiting for the shipment of course rock to be delivered. For sites that are tracking even with the rock and rumble plates in place, the City has required contractors to power wash truck tires and all other vehicles exiting the site. In this case, water supply and drainage of the water used to wash the tires are contained. Site management measures such as material soil stockpile covering appear to be the next common verbal warning and a challenge to some contractors. Contractors claim that after the soil stockpiles are covered, different subcontractors use the stockpile and fail to recover the soil stockpile. Staff continues to require "active" stock piles be covered, at a minimum, at the end of the day and request that if the stockpile will not be in use for extended hours, to have it covered. "Inactive" stockpiles are completely covered throughout the day and are required to have off-hauled as soon as possible. Large soil stockpiles if not covered are hydroseeded and/or hydro-mulched. The City anticipates sediment control measures to continue to be the most common measure installed and violated in construction sites. City will continue to work closely with the project QSD and contractor to have all violations corrected in a timely manner.</p>

<sup>56</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>57</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>58</sup>The total number of violations reported in the table of Violation Correction Times equals the number of initial enforcement actions, i.e., this assumes one violation is issued for several problems during an inspection at a site. The total number of violations in the table of Violation Correction Times may 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.

During permit plan check phase, the City may require a note to the erosion control plan that if the QSD or contractor are unresponsive to address violations, a 3<sup>rd</sup> party certified erosion/sediment control company may take over to ensure the site is in compliance and the SWPPP or erosion/sediment control plan are being implemented.

**C.6.e.iii.(4) ► Evaluation of Inspection Program Effectiveness**

Describe what appear to be your program’s strengths and weaknesses, and identify needed improvements, including education and outreach.

The City’s construction inspection program has not changed from previous years. Monthly inspections for high priority sites that disturb more than one acre and periodic inspections on all other projects that require the review and approval of a grading and drainage plan. The City continues to use the Inspection Checklist for Construction Stormwater Controls (updated January 14, 2016) provided by the Alameda County Clean Water Program for all construction inspections. The information on the inspection checklists are transferred to the City’s electronic inspection table in Excel. The City’s Building Inspectors and Public Works Inspectors have experience in construction site controls and will continue to attend County workshops at least once a year. Direct communication between Engineering and Building Divisions is a strength and improves the effectiveness of the program in between inspections as building inspectors (with erosion control experience and who are more frequently at construction sites) can quickly inform stormwater inspectors of any potential violations. Having other eyes on construction projects greatly minimizes the potential for stormwater pollution. The City continues to attend New Development Subcommittee meetings hosted by the Alameda County Clean Water Program that cover topics such as problems/issues with construction site controls, updates to the construction site inspection checklist, tracking table, and modifications to agency Enforcement Response Plans for conformance with the MRP. The City will continue to conduct ERP updates and reviews to ensure timely corrections and effective compliance at all construction sites. The City continues to use the original electronic inspection table in Excel to document and track inspections but may look to upgrade/improve the C.6 tracking table to simplify the calculation of data to include in future Annual Reports. Currently, the inspection table requires some manual counting which can be time consuming when gathering data.

**C.6.f ► Staff Training Summary**

Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance	
0	0	0	0	0

The City did not attend a C.6 stormwater construction inspection related training during the 2015-2016 but look forward to the stormwater construction inspection training in the FY 2016-2017 provided by the Alameda County Clean Water Program. The City continues to obtain new information related to construction site controls from New Development Subcommittee meetings, past stormwater construction inspections, and from past CASQA Conferences available in the CASQA website.

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

**C.7.b.i.1 ► Outreach Campaign**

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

Summary:

The City of Newark’s Outreach Campaign is being completed primarily through participation in the Alameda Countywide Clean Water Program and other regional outreach efforts. Please refer to the Alameda Countywide Clean Water Program’s Annual Report under Provision C.7.b for details regarding Outreach Campaigns.

Additionally, the City provides advertising in the Valley Yellow Pages for its Used Oil Campaign, listing locations for used oil recyclers.

**C.7.c. Stormwater Pollution Prevention Education**

The City of Newark certifies that it maintains a website page to provide information on stormwater issues, watershed characteristics, and pollution prevention alternatives. This website page also provides a link to the Alameda Countywide Clean Water Program website. The City has a point of contact phone number for all stormwater issues which is listed on the website. The phone number and websites are listed below.

Local stormwater phone number(s)

The City of Newark Stormwater Program contact phone number during regular business hours is (510)578-4320

Local/Regional stormwater website(s)

Local stormwater website: <http://www.ci.newark.ca.us/departments/public-works/engineering-division/stormwater-program/>

Countywide website stormwater website: <http://www.cleanwaterprogram.org/>

Outreach:

The City of Newark publicizes the stormwater point of contact on its website and will implement additional outreach efforts in its quarterly publication, “The Newark News.”

The Alameda Countywide Clean Water Program Annual Report (C.7 section) also provides information on efforts conducted by the countywide program to publicize stormwater points of contact via the program’s website and hotline.

**C.7.d ► Public Outreach and Citizen Involvement 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
Provide event name, date, and location. Indicate if event is local, countywide or regional.	Identify type of event (e.g., school fair, creek clean-up, storm drain stenciling, farmers market etc.), type of audience (school children, gardeners, homeowners etc.) and outreach messages (e.g., Enviroscape presentation, pesticides, stormwater awareness)	Provide general staff feedback on the event (e.g., success at reaching a broad spectrum of the community, well attended, good opportunity to talk to gardeners etc.). Provide other details such as: <ul style="list-style-type: none"> <li>• Success at reaching a broad spectrum of the community</li> <li>• Number of participants compared to previous years.</li> <li>• Post-event effectiveness assessment/evaluation results</li> <li>• Quantity/volume of materials cleaned up, and comparisons to previous efforts</li> </ul>
<b>Stormwater Exhibit at the Alameda County Fair:</b> The Fair is running from June 15 to July 4, 2016. Setting up the exhibit and producing the outreach materials are Countywide Program efforts. Staffing the exhibit is an effort conducted by individual Permittees.	The County Fair is attended by a wide range of residents from throughout the County. The primary message of the exhibit and outreach materials is to encourage residents to reduce their use of pesticides or when necessary use less-toxic pesticides. The exhibit also illustrates the basic watershed awareness/stormwater pollution message.	Several hundred thousand residents attend the fair each year. A more detailed description of the exhibit is included in Section C.7 Public Information and Outreach of the ACCWP FY 15/16 Annual Report.  Newark staffed the booth during an afternoon shift on Saturday, June 25, 2016. Booth visitors were encouraged to participate in a clean water themed scavenger hunt. Approximately 30 people came to the booth, a slight decrease from the previous year, where about 40 visitors came to the booth.
<b>Summerfest at NewPark Mall:</b> SummerFest (local event) held on July 12, 2015 in	SummerFest is hosted by the Newark Chamber of Commerce and includes a variety of activities, including: retail booths,	City of Newark staff hosted an information booth at this event. Clean water program materials and used oil kits were provided and

<p>the NewPark Mall parking lot.</p>	<p>live entertainment, food, a car show, a farmer’s market, and information booths. The event promotes recycling and attracts visitors from Newark and nearby cities.</p>	<p>staff was available to answer questions, promote awareness of, and provide information specific to, Newark’s Stormwater Program. Approximately 150 brochures and 100 activity books and color changing pencils were distributed to almost 200 booth visitors (compared to approximately 250 booth visitors the previous year). Staff also encouraged booth visitors to participate in the “Luv the Bay” campaign to take a pledge not to litter in addition to uploading a photo which becomes part of an online clean water/bay themed mural.</p>
<p><b>Newark Days Celebration at Community Park:</b>                  Newark Days Community Information Faire (local event) held on September 20, 2015.</p>	<p>Newark Days is the City of Newark’s annual birthday celebration and is a 4-day event which draws thousands of attendees each year through its parade, carnival, and information faire. The City’s Stormwater Program participated in the Community Information Faire by hosting an information booth. Staff promoted clean water awareness, alternatives to pesticides, and used oil recycling.</p>	<p>Staff hosted in Clean Water information booth at this event and handed out a variety of program materials and used oil kits. Additionally, staff played an interactive matching game with the children to promote clean water awareness. Approximately 130 used oil kits were given away, with about 150 people stopping by the booth. Attendance was slighter lower than previous years, perhaps due to the 100 degree weather. Staff also encouraged booth visitors to participate in the “Luv the Bay” campaign to take a pledge not to litter in addition to uploading a photo which becomes part of an online clean water/bay themed mural.</p>
<p><b>Family Day at the Park:</b>                  Family Day at the Park Community Resource Faire (local event) on March 19, 2016 at the Newark Community Center</p>	<p>A family-oriented celebration with a resource fair, children’s activities, an Easter egg hunt, face painting, and inflatable jump house.</p>	<p>Attendance of this popular event has been steady year-to-year, with approximately 1,000 people attending. Staff hosted an information booth where clean water program materials and used oil kits were handed out, and adjusted the outreach to focus on children at this family event (clean water activity books, color changing pencils, interactive games, etc.) Approximately 300 people came by the booth to learn about the City’s Stormwater Program and the Countywide Clean Water Program,</p>

<p><b>Lake Area Rosemont Association Lakeshore Park Clean-Up Day.</b>          On June 25, 2016 resident volunteers from the Lake Area Rosemont Association (LARA) participated in a local clean-up event at Newark's Lakeshore Park.</p>	<p>This volunteer event was specifically focused on a clean-up by local residents of a 26-acre park and included trash removal as well as landscape maintenance activities.</p>	<p>which is consistent with past years.          The Lake Area Rosemont Association provided 100 volunteers to provide clean-up and landscape maintenance work at Newark's Lakeshore Park on Parkshore Drive. Volunteers removed bottles, cans, assorted trash, and landscape debris from around the lake perimeter. Approximately 10 cubic yards of debris was removed. This volunteer effort exceeded previous events in terms of attendance with an approximate doubling of volunteers. Approximately the same amount of debris was removed compared to past years.</p>
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**C.7.e. ► 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:

Refer to the Alameda Countywide Clean Water Program Annual Report for a summary of Provision C.7.e. efforts at the county and regional level. City of Newark staff is active in the Alameda Countywide Clean Water Program’s Public Information and Participation Subcommittee in supporting these efforts.

**C.7.f. ► 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
Provide the following information: Name Grade or level (elementary/ middle/ high) Refer to the Alameda Countywide Clean Water Program’s Annual Report for a detailed description of the School-Age Children Outreach efforts completed at the countywide level. The City of Newark’s Stormwater Program is supportive of these activities.	Brief description, messages, methods of outreach used	Provide number or participants	Provide agency staff feedback. Report any other evaluation methods used (quiz, teacher feedback etc.). Attach evaluation summary if applicable.

Section 9 – Provision C.9 Pesticides Toxicity Controls

<b>C.9.a. ► Implement IPM Policy or Ordinance</b>							
Is your municipality implementing its IPM Policy/Ordinance and Standard Operating Procedures?						<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
If no, explain:							
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>59</sup></b>							
Pesticide Category and Specific Pesticide Used	Amount <sup>60</sup>						
	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21	
<b>Organophosphates</b>	None						
Product or Pesticide Type A	NA						
Product or Pesticide Type B	NA						
<b>Pyrethroids</b>	None						
Product or Pesticide Type X	NA						
Product or Pesticide Type Y	NA						
<b>Carbamates</b>	None						
Product or Pesticide Type X	NA						
Product or Pesticide Type Y	NA						
<b>Fipronil</b>	None						
Product or Pesticide Type X	NA						
Product or Pesticide Type Y	NA						

<sup>59</sup>Includes all municipal structural and landscape pesticide usage by employees and contractors.

<sup>60</sup>Weight or volume of the product or preferably its active ingredient, using same units for the product each year. Please specify units used. The active ingredients in any pesticide are listed on the label. The list of active ingredients that need to be reported in the pyrethroids class includes: metofluthrin, bifenthrin, cyfluthrin, beta-cyfluthrin, cypermethrin, deltamethrin, esfenvalerate, lambdacyhalothrin, and permethrin.

Indoxacarb	Reporting not required in FY 15-16						
Diuron	Reporting not required in FY 15-16						
Diamides	Reporting not required in FY 15-16						
<p><b>IPM Tactics and Strategies used:</b></p> <p>During the past reporting period, the City has experienced a minor rodent problem (mice) at the Silliman Aquatic Center. Rather than extensive use of pesticides, City staff and its contractor focused on sealing doors and placing traps to reduce the problem. Additionally, Maintenance Division staff has talked to facility staff at the Aquatic Center regarding practices to reduce this nuisance by proper trash clean-up inside the facility in the café area.</p> <p>Another strategy implemented this year for the reduction of herbicide use has been extensive use of bark mulch in landscape median areas that were previously covered with turf, but have now been converted to a more Bay-Friendly Landscape environment with significantly reduced water usage. Mulch installation helps significantly with weeds as a non-chemical strategy.</p>							

**C.9.b ▶ Train Municipal Employees**

Enter the number of employees that applied or used pesticides (including herbicides) within the scope of their duties this reporting year.	4
Enter the number of these employees who received training on your IPM policy and IPM standard operating procedures within this reporting year.	4
Enter the percentage of municipal employees who apply pesticides who have received training in the IPM policy and IPM standard operating procedures within this reporting year.	100
<p>Type of Training:</p> <p>The City's four (4) Maintenance Division workers who apply pesticides all received training during the reporting period for their Qualified Applicator Certificates (QAC) through the Department of Pesticide Regulation. Three (3) of the employees completed continuing education seminars through the Pesticide Applicators Professionals Association (PAPA) and the fourth worker obtained his initial training for the QAC.</p>	

**C.9.c ▶ 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
<p>If yes, briefly describe how contractor compliance with IPM Policy/Ordinance and SOPs was monitored.</p> <p>Contract specifications require strict adherence to the City of Newark’s Integrated Pest Management policy for the contractor performing pesticide services under an annual landscape maintenance contract. The City ensures compliance with these specifications by verifying the contractors IPM certifications and reviewing the pesticides proposed for use. The City further ensures compliance by having its Landscape Inspector on hand on a daily basis with the contractor to meet and verify any pesticides proposed for use. This includes a review of the active ingredients prior to application, as well as monitoring of the actual work.</p>				

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

Did your municipality communicate with the County Agricultural Commissioner to: (a) get input and assistance on urban pest management practices and use of pesticides or (b) inform them of water quality issues related to pesticides,	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
<p>If yes, summarize the communication. If no, explain.</p> <p>The City of Newark did not communicate with the County Agricultural Commissioner to get input or assistance or to inform them of water quality issues related to pesticides. The City did not receive any incident reports or observe any conditions to result in a need for a report. The City did have an annual inspection at the beginning of the year with a county inspector and provided monthly use reports.</p>				
Did your municipality report any observed or citizen-reported violations of pesticide regulations (e.g., illegal handling and applications of pesticides) associated with stormwater management, particularly the California Department of Pesticide Regulation (DPR) surface water protection regulations for outdoor, nonagricultural use of pyrethroid pesticides by any person performing pest control for hire.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
<p>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.</p> <p>No violations were observed or reported.</p>				

**C.9.e.ii (1) ► 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); **OR** 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 Countywide Program's FY 15-16 Annual Report for information on point of purchase public outreach conducted countywide and regionally.

**C.9.e.ii (2) ► Public Outreach: Pest Control Contracting Outreach**

Provide a summary of outreach to residents who use or contract for structural pest control and landscape professionals); **AND/OR** reference a report of a regional effort for outreach to residents who hire pest control and landscape professionals in which your agency participates.

Summary:

See the C.9 Pesticides Toxicity Control section of Countywide Program's FY 15-16 Annual Report for information on point of purchase public outreach conducted countywide and regionally.

**C.9.e.ii.(3) ► 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); **AND/OR** 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 15-16 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.

**C.9.f ► Track and Participate in Relevant Regulatory Processes**

Summarize participation efforts, information submitted, and how regulatory actions were affected; **AND/OR** reference a regional report that summarizes regional participation efforts, information submitted, and how regulatory actions were affected.

Summary:

During FY 15-16, we participated in regulatory processes related to pesticides through contributions to the countywide Program, BASMAA and CASQA. For additional information, see the Program's Annual Report and the Regional Report submitted by BASMAA on behalf of all MRP Permittees.

Section 10 - Provision C.10 Trash Load Reduction

<b>C.10.a.i ► Trash Load Reduction Summary</b>	
For Population-based Permittees, provide an estimate of the overall trash reduction percentage achieved to-date within the jurisdictional area of your municipality that generates problematic trash levels (i.e., Very High, High or Moderate trash generation). Base the estimate on the information presented in C.10.b i-iv and C.10.e.i-ii. Provide a discussion of the trash estimate below, including whether the applicable trash reduction performance guideline or deadline was attained. If not attained, include a discussion of next steps (e.g., development of a detailed plan or report of non-compliance).	
<b>Trash Load Reductions</b>	
Percent Trash Reduction in All Trash Management Areas (TMAs) due to <b>Trash Full Capture Systems</b> (as reported C.10.b.i)	33%
Percent Trash Reduction in all TMAs due to <b>Control Measures Other than Trash Full Capture Systems</b> (as reported in C.10.b.ii)	0%
Percent Trash Reduction due to <b>Jurisdictional-wide Source Control Actions</b> (as reported in C.10.b.iv)	4%
<b>SubTotal for Above Actions</b>	<b>37%</b>
<b>Trash Offsets (Optional)</b>	
Offset Associated with Additional Creek and Shoreline Cleanups (as reported in C.10.e.i)	0%
Offset Associated with Direct Trash Discharges (as reported in C.10.e.ii)	0%
<b>Total Estimated % Trash Load Reduction in FY 15-16</b>	<b>37%</b>

**C.10.a.i ► Trash Load Reduction Summary**

For Population-based Permittees, provide an estimate of the overall trash reduction percentage achieved to-date within the jurisdictional area of your municipality that generates problematic trash levels (i.e., Very High, High or Moderate trash generation). Base the estimate on the information presented in C.10.b i-iv and C.10.e.i-ii. Provide a discussion of the trash estimate below, including whether the applicable trash reduction performance guideline or deadline was attained. If not attained, include a discussion of next steps (e.g., development of a detailed plan or report of non-compliance).

**Discussion of Trash Load Reduction Estimate:**

As of June 30, 2016, it is estimated that the City of Newark's overall trash reduction is **37%**. This was achieved primarily due to the installation of 276 trash full capture devices (including LID facilities) over 550 acres which accounted for approximately 33% of the overall reduction. This is reliant upon existing trash generation rates and designations of specific areas in our Trash Management Areas as Very High, High, Moderate, or Low generation.

The City has also utilized the jurisdiction-wide 4% reduction for the Countywide plastic bag ban.

Given the level of staff time necessary for visual assessments to confirm the effectiveness of load reduction methods other than full capture devices, Newark has made a decision to primarily utilize full capture devices to meet all MRP 2.0 requirements.

Provision C.10.a includes a mandatory requirement of 70% trash reduction by July 1, 2017, and a non-mandatory performance guideline of 60% reduction at the conclusion of FY 2015-16. With Newark's intent to focus on the installation of full trash capture devices to meet the July 1, 2017 deadline, a decision was made to defer the installation of additional trash capture devices in order to have a larger project in FY2016-17 to meet the mandatory goal. Because the performance guideline for FY2015-16 was not satisfied, the following plan and schedule of implementation of additional trash load reduction control actions to attain mandatory the July 1, 2017 deadline is being provided.

**Additional Trash Load Reduction Plan and Schedule**

- A project for the installation of more than 320 publicly-owned trash capture devices is scheduled for bid release in late 2016 and full installation by May of 2017. This will more than double the number of trash capture devices in the City. Installations will be targeted at medium- and high-generation areas within all trash management areas in the City. It is estimated that these installations will provide an additional reduction of approximately **30%**.
- The City has not yet adopted the Expanded Polystyrene Food Service, but intends to do so during FY 2016-17. This will provide an additional reduction of **4%**. The Single-use Plastic Bag Ordinance will be extended to include additional retailers. This should allow for an additional **2%** source control reduction for the maximum 10% allowed.
- Targeted private installations in medium- and high-generation trash areas are also expected to be completed during FY2016-17 that could provide additional reductions in the **8%** to 12% range. This will be a combination of new projects and installations on existing properties.

Assuming the lower end of that estimate for private installations, the City expects to see the overall reduction increased to **81%** (37% existing, plus 44% proposed) which would allow us to meet the 2019 goal by 2017. This also provides a reasonable buffer to meet the 70% goal.

The estimates for the Street Sweeping and On-Land Trash Clean-Ups are based on profession judgment and will ultimately need to be supported with field data. Staff has knowledge of the new street sweeper capabilities compared to prior sweeper and estimated additional dedicated time from the City of Newark based on the additional manpower and contractual maintenance work.

<b>C.10.a.iii ► Mandatory Trash Full Capture Systems</b>		
Provide the following:		
1) Total number and types of full capture systems (publicly and privately-owned) installed prior to FY 15-16, during FY 15-16, and to-date, including inlet-based and large flow-through or end-of-pipe systems, and qualifying low impact development (LID) required by permit provision C.3.		
2) Total land area (acres) treated by full capture systems for population-based Permittees and total number of systems for non-population based Permittees compared to the total required by the permit.		
<b>Type of System</b>	<b># of Systems</b>	<b>Areas Treated (Acres)</b>
<b>Installed Prior to FY 15-16</b>		
Connector Pipe Screens (publicly owned)	263	499
LID Facilities	3	51
<b>Installed in FY 15-16</b>		
Connector Pipe Screens (privately owned)	6	3
LID Facilities	4	18
<b>Total for all Systems Installed To-date</b>	<b>276</b>	<b>571</b>
<b>Treatment Acreage Required by Permit (Population-based Permittees)</b>		<b>94</b>
<b>Total # of Systems Required by Permit (Non-population-based Permittees)</b>		<b>NA</b>

**C.10.b.i ► Trash Reduction - Full Capture Systems**

Provide the following:

- 1) Jurisdiction-wide trash reduction in FY 15-16 attributable to trash full capture systems implemented in each TMA;
- 2) The total number of full capture systems installed to-date in your jurisdiction;
- 3) Since the effective date of MRP 2.0 (January 1, 2016), the percentage of systems that exhibited significant plugged/blinded screens or were >50% full when inspected or maintained;
- 4) A narrative summary of any maintenance issues and the corrective actions taken to avoid future full capture system performance issues; and
- 5) A certification that each full capture system is operated and maintained to meet the full capture system requirements in the permit.

TMA	Jurisdiction-wide Reduction (%)	Total # of Full Capture Systems	% of Systems Exhibiting Plugged/Blinded Screens or >50% full	Summary of Maintenance Issues and Corrective Actions
1	2.6%	276 Total. This includes 263 publicly owned connector pipe screens and 13 privately owned facilities.	2.5%. A total of 7 publicly-owned connector pipe screens were estimated to be 50% or more full.	The City of Newark Maintenance Division is now targeting maintenance of each storm drain inlet equipped with a connection pipe screen twice annually. One round of cleaning takes place in October-November and a second round in April-May. The inlets that were more than 50% full will be monitored more frequently for accumulated debris. Many inlets contained significantly more organic matter (leaves, grass trimmings, etc.) versus trash and debris. At some locations, vehicles were parked over inlets which required return trips to perform maintenance. At other locations, erosion and sedimentation controls related to construction activities were in place which prevented cleaning. Two trash capture devices required minor repairs and several others had plaques missing. Plaques have been placed where full trash capture devices are located.
2	0.5%			
3	0.7%			
4	0.0%			
5	10.8%			
6	3.8%			
7	6.6%			
8	1.1%			
9	5.4%			
10	1.6%			
<b>Total</b>	<b>33.1%</b>			

**Certification Statement:** *The City of Newark certifies that a full capture system maintenance and operation program is currently being implemented to maintain all applicable systems in a manner that meets the full capture system requirements included in the Permit.*

**C.10.b.ii ► Trash Reduction – Other Trash Management Actions (PART A)**

Provide a summary of trash control actions other than full capture systems or jurisdictional source controls that were implemented within each TMA, including the types of actions, levels and areal extent of implementation, and whether actions are new, including initiation date.

TMA	Summary of Trash Control Actions Other than Full Capture Systems
1	<p><u>On-land Cleanup:</u> The City has increased its full-time and contractual landscape maintenance which will increase arterial street maintenance and trash pick-up capabilities. The estimated increase in dedicated on-land trash cleanup could result in 150 gallons removed annually from TMA 1.</p> <p><u>Street Sweeping:</u> Newark purchased a new more efficient street sweeper. A conservative estimate is that the new sweeper will result in an additional 90 gallons of trash removal from TMA 1.</p>
2	<p><u>On-land Cleanup:</u> The City has increased its full-time and contractual landscape maintenance which will increase arterial street maintenance and trash pick-up capabilities. The estimated increase in dedicated on-land trash cleanup could result in 60 gallons removed annually from TMA 2.</p> <p><u>Street Sweeping:</u> Newark purchased a new more efficient street sweeper. A conservative estimate is that the new sweeper will result in an additional 30 gallons of trash removal from TMA 2.</p>
3	<p><u>On-land Cleanup:</u> The City has increased its full-time and contractual landscape maintenance which will increase arterial street maintenance and trash pick-up capabilities. The estimated increase in dedicated on-land trash cleanup could result in 60 gallons removed annually from TMA 2.</p> <p><u>Street Sweeping:</u> Newark purchased a new more efficient street sweeper. A conservative estimate is that the new sweeper will result in an additional 30 gallons of trash removal from TMA 2.</p>
4	<p><u>On-land Cleanup:</u> The City has increased its full-time and contractual landscape maintenance which will increase arterial street maintenance and trash pick-up capabilities. The estimated increase in dedicated on-land trash cleanup could result in 45 gallons removed annually from TMA 4.</p> <p><u>Street Sweeping:</u> Newark purchased a new more efficient street sweeper. A conservative estimate is that the new sweeper will result in an additional 28 gallons of trash removal from TMA 4.</p>
5	<p><u>On-land Cleanup:</u> The City has increased its full-time and contractual landscape maintenance which will increase arterial street maintenance and trash pick-up capabilities. The estimated increase in dedicated on-land trash cleanup could result in 140 gallons removed annually from TMA 5.</p> <p><u>Street Sweeping:</u> Newark purchased a new more efficient street sweeper. A conservative estimate is that the new sweeper will result in an additional 80 gallons of trash removal from TMA 5.</p>
6	<p><u>On-land Cleanup:</u> The City has increased its full-time and contractual landscape maintenance which will increase arterial street maintenance and trash pick-up capabilities. The estimated increase in dedicated on-land trash cleanup could result in 140 gallons removed annually from TMA 5.</p> <p><u>Street Sweeping:</u> Newark purchased a new more efficient street sweeper. A conservative estimate is that the new sweeper will result in an additional 80 gallons of trash removal from TMA 5.</p>

7	<p><u>On-land Cleanup:</u> The City has increased its full-time and contractual landscape maintenance which will increase arterial street maintenance and trash pick-up capabilities. The estimated increase in dedicated on-land trash cleanup could result in 260 gallons removed annually from TMA 7.</p> <p><u>Street Sweeping:</u> Newark purchased a new more efficient street sweeper. A conservative estimate is that the new sweeper will result in an additional 150 gallons of trash removal from TMA 7.</p>
8	<p><u>On-land Cleanup:</u> The City has increased its full-time and contractual landscape maintenance which will increase arterial street maintenance and trash pick-up capabilities. The estimated increase in dedicated on-land trash cleanup could result in 40 gallons removed annually from TMA 8.</p> <p><u>Street Sweeping:</u> Newark purchased a new more efficient street sweeper. A conservative estimate is that the new sweeper will result in an additional 25 gallons of trash removal from TMA 8.</p>
9	<p><u>On-land Cleanup:</u> The City has increased its full-time and contractual landscape maintenance which will increase arterial street maintenance and trash pick-up capabilities. The estimated increase in dedicated on-land trash cleanup could result in 225 gallons removed annually from TMA 9.</p> <p><u>Street Sweeping:</u> Newark purchased a new more efficient street sweeper. A conservative estimate is that the new sweeper will result in an additional 130 gallons of trash removal from TMA 9.</p>
10	<p><u>On-land Cleanup:</u> The City has increased its full-time and contractual landscape maintenance which will increase arterial street maintenance and trash pick-up capabilities. The estimated increase in dedicated on-land trash cleanup could result in 150 gallons removed annually from TMA 10.</p> <p><u>Street Sweeping:</u> Newark purchased a new more efficient street sweeper. A conservative estimate is that the new sweeper will result in an additional 87 gallons of trash removal from TMA 10.</p>

**C.10.b.ii ► Trash Reduction – Other Trash Management Actions (PART B)**

Provide the following:

- 1) A summary of the on-land visual assessments in each TMA (or control measure area), including the street miles or acres available for assessment (i.e., those associated with VH, H, or M trash generation areas not treated by full capture systems), the street miles or acres assessed, the % of available street miles or acres assessed, and the average number of assessments conducted per site within the TMA; and
- 2) Percent jurisdictional-wide trash reduction in FY 15-16 attributable to trash management actions other than full capture systems implemented in each TMA.

TMA ID or (as applicable) Control Measure Area	Total Street Miles or Acres Available for Assessment	Summary of On-land Visual Assessments			Jurisdictional-wide Reduction (%)
		Street Miles or Acres Assessed	% of Applicable Street Miles or Acres Assessed	Avg # of Assessments Conducted at Each Site	
NA	0	0	0%	NA	0%
<b>Total</b>		<b>0</b>	<b>0%</b>	<b>NA</b>	<b>0%</b>

Note: The City of Newark did not perform any formal visual assessments during the FY2015-16 reporting period as a means of assessing the effectiveness of other trash management actions. As noted in section C.10.a.i, the installation of full trash capture devices is the primary trash management action proposed for attaining the July 1, 2017 and July 1, 2019 trash reduction goals.

**C.10.b.iv ► Trash Reduction – Source Controls**

Provide a description of each jurisdictional-wide trash source control action implemented to-date. For each control action, identify the trash reduction evaluation method(s) used to demonstrate on-going reductions, summarize the results of the evaluation(s), and provide the associated reduction of trash within your jurisdictional area. Also include the total % reduction credit for all source controls up to the maximum 10% allowed by MRP 2.0.

Source Control Action	Summary Description & Dominant Trash Sources and Types Targeted	Evaluation/Enforcement Method(s)	Summary of Evaluation/Enforcement Results To-date	% Reduction	Total Reduction Credit (%)
Single-use Plastic Bag Ordinance or Policy	The Alameda County Waste Management Authority adopted the Single-Use Bag Ban. As of January 1, 2013, all grocery stores, supermarkets, mini-marts, convenience stores, liquor stores, pharmacies, drug stores or other entities that sell milk, bread, soda and snack foods (all four items) and/or alcohol (Type 20 or 21 license) in Alameda County must comply with the Single-Use Bag Ban Ordinance. Affected stores may no longer provide customers with single-use bags at check-out. A copy of the Ordinance is available on the Alameda County Waste Management Authority's website: <a href="http://reusablebagsac.org/ordinancetext.html">http://reusablebagsac.org/ordinancetext.html</a>	See Section C.10 of the ACCWP FY 15-16 Annual Report.	See Section C.10 of the ACCWP FY 15-16 Annual Report.	4	4

**C.10.c ► Trash Hot Spot Cleanups**

Provide the FY 15-16 cleanup date and volume of trash removed during each MRP-required Trash Hot Spot cleanup during each fiscal year listed. Indicate whether the site was a new site in FY 15-16.

Trash Hot Spot	New Site in FY 15-16 (Y/N)	FY 15-16 Cleanup Date(s)	Volume of Trash Removed (cubic yards)				
			FY 2011-12	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
Alameda County Flood Control Channel Line B – Smith Avenue	N	June 28, 2016	0.63	1.2	0.4	0.8	0.9
Alameda County Flood Control Channel Line D – between Cedar Blvd. and Cherry Street	N	June 28, 2016	0.25	0.3	0.1	0.25	0.1

C.10.d ► Long-Term Trash Load Reduction Plan	
Provide descriptions of significant revisions made to your Long-term Trash Load Reduction Plan submitted to the Water Board in February 2014. Describe significant changes made to primary or secondary trash management areas (TMA), trash generation maps, control measures, or time schedules identified in your plan. Indicate whether your trash generation map was revised and is attached to your Annual Report.	
Description of Significant Revision	Associated TMA
<u>Partial-Capture Treatment Devices</u> . Staff is focused on full-capture device installation as the primary means of attaining target reductions of 70% in 2017 and 80% in 2019. Partial capture devices will not be used as often as originally anticipated in several TMAs.	1,2,5,6,8,9,10
<u>On-Land Trash Cleanups</u> . While staff anticipates continuing with on-land trash cleanup where necessary, the primary focus for attaining required removal levels will be full trash capture device installation. The City will not be pursuing credit for ongoing trash cleanup due to limited staffing resources for both the cleanup and visual assessment requirements.	1,2,3,4,5,6,7,8

**C.10.e. ► Trash Reduction Offsets (Optional)**

Provide a summary description of each offset program implemented, the volume of trash removed, and the offset claimed in FY 15-16. Also, for additional creek and shoreline cleanups, describe the number and frequency of cleanups conducted, and the locations and cleanup dates. For direct discharge control programs approved by the Water Board Executive Officer, also describe the results of the assessments conducted in receiving waters to demonstrate the effectiveness of the control program. Include an Appendix that provides the calculations and data used to determine the trash reduction offset.

Offset Program	Summary Description of Actions and Assessment Results	Volume of Trash (CY) Removed/Controlled in FY 15-16	Offset (Jurisdiction-wide Reduction %)
<b>Additional Creek and Shoreline Cleanups</b> (Max 10% Offset)	This optional trash reduction offset opportunity was not pursued in FY2015-16 but may be completed in future years depending on the full extent of full trash capture device installation.	NA	0
<b>Direct Trash Discharge Controls</b> (Max 15% Offset)	This optional trash reduction offset opportunity was not pursued in FY2015-16 but may be completed in future years depending on the full extent of full trash capture device installation.	NA	0

Appendix A. Baseline trash generation and areas addressed by full capture systems and other control measures in Fiscal Year 15-16.

TMA	2009 Baseline Trash Generation (Acres)					Trash Generation (Acres) in FY 15-16 After Accounting for Full Capture Systems					Jurisdiction-wide Reduction via Full Capture Systems (%)	Trash Generation (Acres) in FY 15-16 After Accounting for Full Capture Systems <u>and</u> Other Control Measures					Jurisdiction-wide Reduction via Other Control Measures (%)	Jurisdiction-wide Reduction via Full Capture <u>AND</u> Other Control Measures (%)
	L	M	H	VH	Total	L	M	H	VH	Total		L	M	H	VH	Total		
1	1	219	90	0	309	34	214	62	0	309	2.6%	34	214	62	0	309	0.0%	2.6%
2	615	42	32	0	689	622	41	26	0	689	0.5%	622	41	26	0	689	0.0%	0.5%
3	775	37	30	0	842	792	25	25	0	842	0.7%	792	25	25	0	842	0.0%	0.7%
4	233	178	0	0	411	233	178	0	0	411	0.0%	233	178	0	0	411	0.0%	0.0%
5	69	66	112	0	246	226	16	5	0	246	10.8%	226	16	5	0	246	0.0%	10.8%
6	92	187	64	5	346	140	166	41	0	346	3.8%	140	166	41	0	346	0.0%	3.8%
7	52	571	24	20	667	132	515	19	2	667	6.6%	132	515	19	2	667	0.0%	6.6%
8	346	54	23	0	423	368	41	14	0	423	1.1%	368	41	14	0	423	0.0%	1.1%
9	20	84	181	0	285	100	58	127	0	285	5.4%	100	58	127	0	285	0.0%	5.4%
10	716	193	76	0	985	735	189	60	0	985	1.6%	735	189	60	0	985	0.0%	1.6%
Totals	2,918	1,630	631	25	5,204	3,381	1,443	378	2	5,204	33.4% *	3,381	1,443	378	2	5,204	0.0%	33.4%

\*Note: The % reduction from full capture includes 0.31% for 13.6 acres of full capture covering non-jurisdictional public K-12 school, college, and university school areas

Section 11 - Provision C.11 Mercury Controls

- C.11.a ▶ Implement Control Measures to Achieve Mercury Load Reductions**
- C.11.b ▶ Assess Mercury Load Reductions from Stormwater**
- C.11.c ▶ Plan and Implement Green Infrastructure to Reduce Mercury Loads**
- C.11.d ▶ Prepare Implementation Plan and Schedule to Achieve TMDL Allocations**
- C.11.e ▶ Implement a Risk Reduction Program**

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 15-16 Annual Report and/or BASMAA regional reports.

Section 12 - Provision C.12 PCBs Controls

- C.12.a ▶ Implement Control Measures to Achieve PCBs Load Reductions**
- C.12.b ▶ Assess PCBs Load Reductions from Stormwater**
- C.12.c ▶ Plan and Implement Green Infrastructure to Reduce PCBs Loads**
- C.12.d ▶ Prepare Implementation Plan and Schedule to Achieve TMDL Allocations**
- C.12.e ▶ Evaluate PCBs Presence in Caulks/Sealants Used in Storm Drain or Roadway Infrastructure in Public Rights-of-Way**
- C.12.f ▶ Manage PCB-Containing Materials and Wastes During Building Demolition Activities So That PCBs Do Not Enter Municipal Storm Drains**
- C.12.g ▶ Fate and Transport Study of PCBs: Urban Runoff Impact on San Francisco Bay Margins**
- C.12.h ▶ Implement a Risk Reduction Program**

Summary:

A summary of Permittee, Countywide Program and regional accomplishments for these sub-provisions are included within the C.12 PCB Controls section of Program's FY 15-16 Annual Report and/or BASMAA regional reports.

Section 13 - Provision C.13 Copper Controls

**C.13.a.iii ► Manage Waste Generated from Cleaning and Treating of Copper Architectural Features**

<p><i>(For FY 15-16 Annual Report only)</i> Do you have adequate legal authority to prohibit the discharge of wastewater to storm drains generated from the installation, cleaning, treating, and washing of copper architectural features, including copper roofs?</p>	<b>X</b>	Yes		No
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*(For FY 15-16 Annual Report only)* Provide a summary of how copper architectural features are addressed through the issuance of building permits.

Summary:

The "Requirements for Architectural Copper" fact sheet and Best Management Practices guidance was previously provided to the City of Newark's Building Inspection Division and the City's Planning Division for both internal use and for distribution to applicants that may be considering the use of architectural copper. This document continues to be utilized. Building Inspection Division and Planning Division personnel have received the training related to the use of copper and are instructed to forward any applications proposing the use of architectural copper to the Engineering Division.

With each project, the required Stormwater Requirements Checklist includes within the Source Control Requirements section a component regarding the use of architectural copper.

*(FY 15-16 Annual Report and each Annual Report thereafter)* Provide summaries of permitting and enforcement activities to manage waste generated from cleaning and treating of copper architectural features, including copper roofs, during construction and post-construction.

Summary:

No architectural copper was proposed on a project during the reporting period.

In the event that copper is proposed, City staff would include a specific condition of approval requiring that all new copper installations be subject to construction and post-construction Best Management Practices guidance material through the Alameda Countywide Clean Water Program to ensure that no dissolved copper is discharged to the storm drain system.

**C.13.b.iii ► Manage Discharges from Pools, Spas, and Fountains that Contain Copper-Based Chemicals**

<p><i>(For FY 15-16 Annual Report only)</i> Do you have adequate legal authority to prohibit the discharge to storm drains of water containing copper-based chemicals from pools, spas, and fountains?</p>	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
<p><i>(For FY 15-16 Annual Report only)</i> Provide a summary of how copper-containing discharges from pools, spas, and fountains are addressed to accomplish the prohibition of the discharge.</p>				
<p>Summary:                  A Best Management Practices informational fact sheet related to proper maintenance to manage discharges from pools, spas, and fountains was developed by staff and has been made available to the public. This document includes guidelines to prevent discharges from these facilities into the storm drain system.</p>				
<p><i>(FY 15-16 Annual Report and each Annual Report thereafter)</i> Provide summaries of any enforcement activities related to copper-containing discharges from pools, spas, and fountains.</p>				
<p>Summary:                  During the past reporting period, there were no reports or inquiries related to related to potential copper discharges from pools, spas, or fountains.</p>				

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

<p>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.</p>
<p>Summary:                  Staff utilizes the BASMAA Pollutants of Concern inspector training materials as a resource for understanding and distributing appropriate Best Management Practices related to industrial copper use. Potential businesses or sources of copper in the City of Newark include metal handlers and vehicle repair shops. During inspections of these facilities under Provision C.4, staff will conduct discussions with these business operators regarding appropriate Best Management Practices related to copper use or handling and potential discharge. There were no noted violations regarding the handling of copper during this reporting period.</p>

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

**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 of Newark’s website provides links for less toxic pest control and landscape management under the Education and Information page of the City’s Stormwater Program main page. The City continues to distribute related outreach information at all public outreach events as this has been a primary focus for several years. See Section C.7 Public Information and Outreach of this report as well as the Program’s FY 15-16 Annual Report. The City does not use highly toxic pesticides as identified in Section C.9 of this report.

The City’s website also has a page dedicated to the current recent situation and measures taken by the City to minimize water consumption. The City of Newark continues to promote water conservation for all new development, including requirements for drought-tolerant landscaping. Landscaping and irrigation plan reviews are completed within the Engineering Division of the Public Works Department. Conditions of approval requiring compliance with Bay Friendly Landscaping Practices are applied to projects. The California Model Water Efficient Landscape Ordinance is applied to all new development projects as part of standard conditions of approval. Also see C.3 New Development and Redevelopment of this report and the Program’s FY 15-16 Annual Report.

Public Works staff is constantly monitoring the City’s large-volume landscaping to ensure runoff is minimized. With the recent mandatory cuts to irrigation due to current drought conditions, there is a lack of saturated soil conditions and very little irrigation runoff either from publicly-owned facilities or private irrigation systems.

# City of Newark 2015-2016 Public Participation Events



Family Day at the Park, March 19, 2016

# City of Newark 2015-2016 Public Participation Events



Summerfest, July 21, 2015

# City of Newark 2015-2016 Public Participation Events



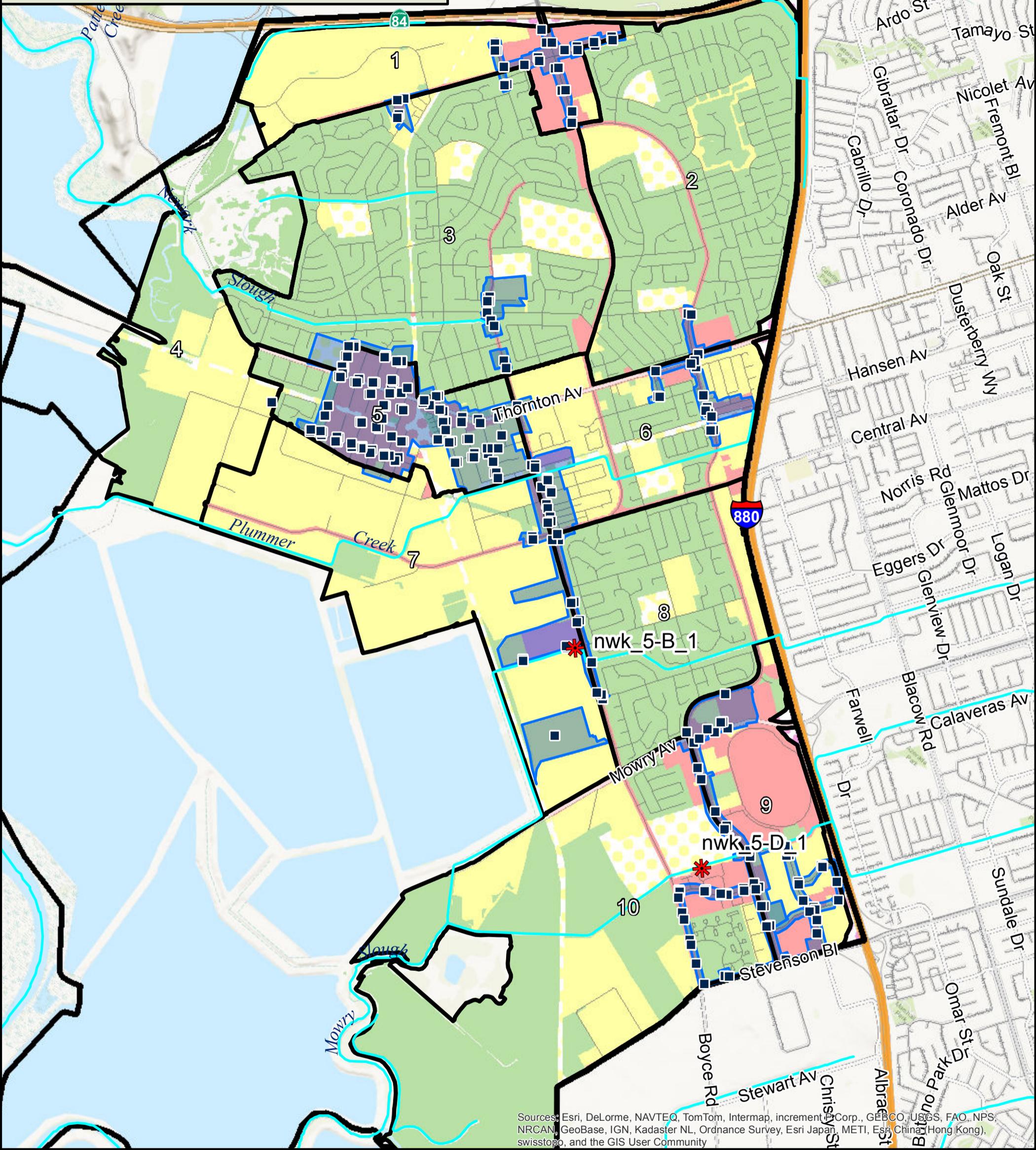
Newark Days Information Faire, September 2015

# City of Newark 2015-2016 Public Participation Events



LARA Volunteer Cleanup at Lakeshore Park, June 25, 2016

# City of Newark - Trash Generation Map



Sources: Esri, DeLorme, NAVTEQ, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, and the GIS User Community

## Legend

### Trash Generation Category

- Low
- Moderate
- High
- Very High

- \* Creek/Shoreline Hotspot
- Full-Capture Location
- Full Trash Capture
- Trash Management Area
- Non-Jurisdictional (Dot color = Generation Category)

- Streets
- Freeway
- Creeks

