

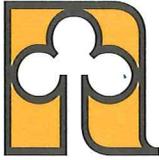


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Alameda County Flood
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Conservation District
Zone 7 Water Agency

CITY OF NEWARK FISCAL YEAR 2014- 2015 ANNUAL REPORT OF STORMWATER PROGRAM IMPLEMENTATION

Submitted to:
California Regional Water Quality Control
Board, San Francisco Bay Region
September 15, 2015



CITY OF NEWARK, CALIFORNIA

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

September 15, 2015

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 2014-2015 ANNUAL REPORT

Dear Mr. Wolfe:

Enclosed is the City of Newark's Fiscal Year 2014-2015 Annual Report of Stormwater Program activities under the Municipal Regional Stormwater NPDES Permit No. CAS612008. 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.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Soren Fajeau', with a stylized flourish at the end.

SOREN FAJEAU, P.E.
Assistant City Engineer/Stormwater Program Manager

Enclosure

ATTACHMENT B

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Provision C.9 – IPM Contract Specifications

Section 1 – Permittee Information

Background Information			
Permittee Name:	City of Newark		
Population:	44,204		
NPDES Permit No.:	CAS612008		
Order Number:	R2-2009-0074R		
Reporting Time Period (month/year):	July 2014 through June 2015		
Name of the Responsible Authority:	Peggy Claassen	Title:	Public Works Director
Mailing Address:	37101 Newark Boulevard		
City:	Newark	Zip Code:	94560
		County:	Alameda
Telephone Number:	(510) 578-4671	Fax Number:	(510) 578-4243
E-mail Address:	peggy.claassen@newark.org		
Name of the Designated Stormwater Management Program Contact (if different from above):	Soren Fajeau	Title:	Assistant City Engineer
Department:	Public Works		
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		

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 14-15 Annual Report for a description of activities implemented at the countywide and/or regional level.

The City of Newark's Maintenance Division continues to participate actively with the Alameda Countywide Clean Water Program's (Countywide Program) Municipal Maintenance Subcommittee meetings, events, and training opportunities. The City's Maintenance Superintendent typically attends all subcommittee meetings and trainings, but was not able to attend the single meeting this year on May 7, 2015 due to a scheduling conflict. See Section C.2 Municipal Operations of the Alameda Countywide Clean Water Program's (Countywide Program) FY 14-15 Annual Report for a summary of Program activities.

The City of Newark effectively implemented requirements related to Provision C.2 for Street and Road Repair and Maintenance, Sidewalk/Plaza Maintenance and Pavement Washing, and Bridge/Structure Maintenance and Graffiti Removal. Details are provided in the following sections. The City has only one stormwater pump station which is located off of Crystal Springs Drive near Jarvis Avenue. Inspection results for the pump station during this reporting period are provided in C.2.d below.

There are no rural roads in the City of Newark.

The City's corporation yard is inspected by Maintenance Division staff on a weekly basis and annually by Engineering Division staff. 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.

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

Comments:

Most of Newark’s street and road repair and maintenance activities, including all pavement resurfacing and curb, gutter, and sidewalk repair/replacement work, are completed through capital improvement projects by private contractors. The City has a limited number of 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.

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.

Y	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
Y	Implementation of the BASMAA Mobile Surface Cleaner Program BMPs

Comments:

Street sweeping is the primary activity undertaken by the City under C.2.b. Although pavement washing, mobile cleaning, and pressure washing operations are rare occurrences, the required BMPs were implemented for all activities. The City’s Maintenance Supervisor responsible for all streets and parks activities is certified under the BASMAA Mobile Surface Cleaner Program, as is the City’s landscape contractor, New Image Landscaping.

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.

NA	Control of discharges from bridge and structural maintenance activities directly over water or into storm drains
NA	Control of discharges from graffiti removal activities
Y	Proper disposal for wastes generated from bridge and structure maintenance and graffiti removal activities
Y	Implementation of the BASMAA Mobile Surface Cleaner Program BMPs for graffiti removal
Y	Employee training on proper capture and disposal methods for wastes generated from bridge and structural maintenance and graffiti removal activities.
Y	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 (or structure) in Newark (the Channel Drive bridge), and it rarely requires maintenance. No maintenance was conducted on this bridge during the 2014-15 reporting period. As in 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 fences, 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.d. ► Stormwater Pump Stations						
Does your municipality own stormwater pump stations:			<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
If your answer is No then skip to C.2.e.						
Complete the following table for dry weather DO monitoring and inspection data for pump stations ¹ (add more rows for additional pump stations). If a pump station is exempt from DO monitoring, explain why it is exempt .						
Pump Station Name and Location	First inspection Dry Weather DO Data		Second inspection Dry Weather DO Data			
	Date	mg/L	Date	mg/L		
Crystal Springs Pump Station, Crystal Springs Drive	8/21/2014	5.6	6/25/15	5.5		
Summarize corrective actions as needed for DO monitoring at or below 3 mg/L. Attach inspection records of additional DO monitoring for corrective actions:						
<p>Summary: The DO levels during the dry season remain consistently above 3.0 mg/L. As a result, no corrective actions have been taken during the dry season. The minor amount of trash in the station sump was removed.</p> <p>Attachments: No attachments have been included because corrective actions have not been necessary.</p>						
Complete the following table for wet weather inspection data for pump stations (add more rows for additional pump stations):						
Pump Station Name and Location	Date (2x/year required)	Presence of Trash (Cubic Yards)	Presence of Odor (Yes or No)	Presence of Color (Yes or No)	Presence of Turbidity (Yes or No)	Presence of Floating Hydrocarbons (Yes or No)
Crystal Springs Pump Station, Crystal Springs Drive	12/5/2014	Under 0.5 CY	No	No	No	No
Crystal Springs Pump Station, Crystal Springs Drive	2/10/2015	Under 1.0 CY	No	No	No	No

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

C.2.e. ► Rural Public Works Construction and Maintenance					
Does your municipality own/maintain rural ² roads:		<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
If your answer is No then skip to C.2.f.					
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.					
<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:					

²Rural 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.

C.2.f. ► Corporation Yard BMP Implementation			
Place an X in the boxes below that apply to your corporations yard(s):			
<input type="checkbox"/>	We do not have a corporation yard		
<input type="checkbox"/>	Our corporation yard is a filed NOI facility and regulated by the California State Industrial Stormwater NPDES General Permit		
<input checked="" type="checkbox"/>	We have a Stormwater Pollution Prevention Plan (SWPPP) for the Corporation Yard(s)		
Place an X in the boxes below next to implemented SWPPP BMPs to indicate that these BMPs were implemented in applicable instances. If not applicable, type NA in the box. If one or more of the BMPs were not adequately implemented during the reporting fiscal year then indicate so and explain in the comments section below:			
<input checked="" type="checkbox"/>	Control of pollutant discharges to storm drains such as wash waters from cleaning vehicles and equipment		
<input checked="" type="checkbox"/>	Routine inspection prior to the rainy seasons of corporation yard(s) to ensure non-stormwater discharges have not entered the storm drain system		
<input checked="" type="checkbox"/>	Containment of all vehicle and equipment wash areas through plumbing to sanitary or another collection method		
<input checked="" type="checkbox"/>	Use of dry cleanup methods when cleaning debris and spills from corporation yard(s) or collection of all wash water and disposing of wash water to sanitary or other location where it does not impact surface or groundwater when wet cleanup methods are used		
<input checked="" type="checkbox"/>	Cover and/or berm outdoor storage areas containing waste pollutants		
Comments: The City's Service Center is cleaned of loose debris on a daily basis and a weekly inspection is performed by Maintenance Division staff to ensure compliance with Best Management Practices in the SWPPP.			
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.	None

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

C.3.b.v.(2)(a) ► Green Streets Status Report

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

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

The C.3 New Development and Redevelopment section of the Countywide program’s FY 14-15 Annual Report includes a description of activities conducted at the countywide and regional level. The City of Newark did not have a pilot green street project during the 2014-15 reporting period.

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

See Table C.3.b.v.(1) below.

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

(For FY 11-12 Annual Report and each Annual Report thereafter)

Is your agency choosing to require 100% LID treatment onsite for all Regulated Projects and not allow alternative compliance under Provision C.3.e.?

X	Yes		No
---	-----	--	----

Comments: The City is choosing to require 100% LID treatment for all Regulated Projects.

C.3.e.vi ► Special Projects Reporting

1. Has your agency received, but not yet granted final discretionary approval of, a development permit application for a project that has been identified as a potential Special Project based on criteria listed in MRP Provision C.3.e.ii(2) for any of the three categories of Special Projects (Categories A, B or C)?		Yes	X	No
2. Has your agency granted final discretionary approval of a project identified as a Special Project in the March 15, 2015 report? If yes, include the project in both the C.3.b.v.(1)Table, and the C.3.e.vi. Table.		Yes	X	No
<p>If you answered "Yes" to either question,</p> <ol style="list-style-type: none"> 1) Complete Table C.3.e.vi .below. NA 2) Attach narrative discussion of 100% LID Feasibility or Infeasibility for each project. NA 				

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

(1) Fill in attached table C.3.h.iv.(1) or attach your own table including the same information. See table C.3.h.iv (1) below.
(2) On an annual basis, provide a discussion of the inspection findings for the year and any common problems encountered with various types of treatment systems and/or HM controls. This discussion should include a general comparison to the inspection findings from the previous year.
<p>In comparison to the observations during the 2013-2014 FY reporting period, the common problems during the 2014-2015 FY reporting period have not changed where a majority of the bioretention areas and landscape based stormwater treatment measures are brown/dry due to the strict water restrictions by the Alameda County Water District and the lack of rain. The level of "green" for the grass and plantings within each treatment measure varies depending on the site's desired irrigation schedule. A few sites have chosen to completely eliminate irrigating all of the landscaping on their property due to the restriction resulting in grass and plantings that are completely dead. The City will notify those sites and have the grass or plantings replaced and to have an irrigation schedule of once a week or at a minimum every two weeks during the spring-summer months.</p>
(3) On an annual basis, provide a discussion of the effectiveness of the O&M Program and any proposed changes to improve the O&M Program (e.g., changes in prioritization plan or frequency of O&M inspections, other changes to improve effectiveness program).
<p>No changes were made to the City's O&M Program. Staff will continue to inspect 100% of the landscape based treatment measures and vault based measures installed throughout the City, on private and public property. The prioritization plan has not changed and the City will continue to inspect all new LID treatment areas within 45 days of installation in addition to inspecting all treatment measures. The City may explore the option of performing additional inspections in the middle of the rainy season (December/January) to improve the effectiveness of the O&M Verification Program.</p>

(4) During the reporting year, did your agency:					
• Inspect all newly installed stormwater treatment systems and HM controls within 45 days of installation?	X	Yes		No	Not applicable. No new facilities were installed.
• Inspect at least 20 percent of the total number of installed stormwater treatment systems or HM controls? ³	X	Yes		No	Not applicable. No treatment measures
• Inspect at least 20 percent of the total number of installed vault-based systems?	X	Yes		No	Not applicable. No vault systems.
If you answered "No" to any of the questions above, please explain: NA					

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.

The City continues to use the BASMAA prepared standard specifications in four fact sheets regarding the site design measures listed in Provision C.3.i, as a resource for Co-permittees. We are using the BASMAA site design fact sheets for C.3.i implementation and C.3 Technical Guidance Manual Chapter 4 (Site Design Measures) and Appendix M (Site Design Requirements For Small Projects). We have modified local policies and procedures and 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. The City references the MRP and the different forms of site design measures that apply in all plan check comments that require the implementation of Provision C.3.i. For single family home and small commercial/industrial projects, the City may require completion of the C.3 and C.6 Stormwater Requirements checklist to provide a more comprehensive list of sign design and source control measures that can be incorporated to the project.

³If there is only 1 treatment measure in the jurisdiction, the agency must inspect it every year.

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

Project Name Project No.	Project Location ¹⁰ , Street Address	Name of Developer	Project Phase No. ¹¹	Project Type & Description ¹²	Project Watershed ¹³	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft ²) ¹⁴	Total Replaced Impervious Surface Area (ft ²) ¹⁵	Total Pre- Project Impervious Surface Area ¹⁶ (ft ²)	Total Post- Project Impervious Surface Area ¹⁷ (ft ²)
Private Projects											
Self-Storage Facility	6649 Central Avenue (cross street: Cherry Street)	Harbison Int. Inc	Construction	New Development – 2 buildings (approximately 43,996 square feet)	Plummer Creek	1.96	1.96	78,811	0	0	78,811
Newark Corps Community Center	36700 Newark Boulevard (cross street: Dairy Avenue)	The Salvation Army	Construction	Redevelopment – site work and new building (complete demo of existing building).	Plummer Creek	0.99	1.01	2,325	34,290	34,290	36,615
Classics at Newark	36120 Ruschin Drive (cross street: McDonald Avenue)	Classic Communities	Construction	Redevelopment – 77-Lot single family subdivision	Plummer Creek	10.15	10.15	181,205	105,075	134,431	286,280
Mission Linen Supply	6590 Central Avenue (cross street: Cherry Street)	Mission Goldrush, LLC	Permitting	Redevelopment – Demolition of existing structures and pavement and construction of new building, parking, and site amenities associated with laundry facility.	Plummer Creek	10.1	8.17	84,529	219,805	264,257	304,334
Casa Bella	6249 Thornton Avenue (cross	Khurram Iqbal	Construction	New Development –	Plummer Creek	0.657	0.657	18,642	0	0	18,642

¹⁰Include cross streets

¹¹If a project is being constructed in phases, indicate the phase number and use a separate row entry for each phase. If not, enter "NA".

¹²Project 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.

¹³State the watershed(s) in which the Regulated Project is located. Downstream watershed(s) may be included, but this is optional.

¹⁴All impervious surfaces added to any area of the site that was previously existing pervious surface.

¹⁵All impervious surfaces added to any area of the site that was previously existing impervious surface.

¹⁶For redevelopment projects, state the pre-project impervious surface area.

¹⁷For redevelopment projects, state the post-project impervious surface area.

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

Project Name Project No.	Project Location ¹⁰ , Street Address	Name of Developer	Project Phase No. ¹¹	Project Type & Description ¹²	Project Watershed ¹³	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft ²) ¹⁴	Total Replaced Impervious Surface Area (ft ²) ¹⁵	Total Pre- Project Impervious Surface Area ¹⁶ (ft ²)	Total Post- Project Impervious Surface Area ¹⁷ (ft ²)
Homes	street: Arden Street)			14-Unit townhome development							
Public Storage – Newark	6800 Overlake Place (cross street: Fircrest Street)	Public Storage	Construction	New Development - Proposed 4 story self-storage building to be constructed with a parking lot.	Plummer Creek	3.06	3.06	87,648	3,332	3,332	90,980
Cedar Lane	39850/39888 Cedar Boulevard (cross-street: Mowry School Road)	K. Hovnanian Homes	Construction	New Development – 85 attached townhomes and private streets	Mowry Slough	4.28	4.28	138,669	0	0	138,669
Newark Prima	5699 Mowry Avenue	DR Horton	Construction	Redevelopment – 280 residential units	Mowry Slough	16.3	16.3	111,710	357,830	486,086	469,540
Newark Seniors Housing	37433 Willow Street	USA	Permitting	Senior Housing Development – 75 units in one building	Plummer Creek	2.08	1.74	5,632	55,003	64,425	60,635
Public Projects											
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Note: The City did not have any public regulated projects for the 2014-2015 FY reporting period.											

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

Project Name Project No.	Application Deemed Complete Date ¹⁸	Application Final Approval Date ¹⁹	Source Control Measures ²⁰	Site Design Measures ²¹	Treatment Systems Approved ²²	Type of Operation & Maintenance Responsibility Mechanism ²³	Hydraulic Sizing Criteria ²⁴	Alternative Compliance Measures ^{25/26}	Alternative Certification ²⁷	HM Controls ^{28/29}
Private Projects										
Newark Prima	9/23/14	10/23/14	Mark on-site inlets with the words “No Dumping! Flows to Bay” or equivalent. Retain existing vegetation as practicable. Select diverse species appropriate to the site. Include plants that	Direct roof runoff onto vegetated areas. Direct runoff from sidewalks, walkways, and/or patios onto vegetated areas. Minimize land disturbance and impervious surface (especially parking lots). Maximize permeability	Bioretention facility	Stormwater Treatment Measures Maintenance Agreement/Operation and Maintenance Information Form	Combination hydraulic sizing approach and flow-based approach	No alternative compliance involved in this project.	No alternative certification involved in this project.	HM Controls are not required for this project. Site is located in tidally influenced/depositional area – exempt area on HMP Susceptibility Map.

¹⁸For private projects, state project application deemed complete date. If the project did not go through discretionary review, report the building permit issuance date.

¹⁹For private projects, state project application final discretionary approval date. If the project did not go through discretionary review, report the building permit issuance date.

²⁰List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.

²¹List 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.

²²List 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.).

²³List 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.

²⁴See 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).

²⁵For 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.

²⁶For 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.

²⁷Note whether a third party was used to certify the project design complies with Provision C.3.d.

²⁸If HM control is not required, state why not.

²⁹If HM control is required, state control method used (e.g., method to design and size device(s) or method(s) used to meet the HM Standard, and description of device(s) or method(s) used, such as detention basin(s), bioretention unit(s), regional detention basin, or in-stream control).

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

Project Name Project No.	Application Deemed Complete Date ¹⁸	Application Final Approval Date ¹⁹	Source Control Measures ²⁰	Site Design Measures ²¹	Treatment Systems Approved ²²	Type of Operation & Maintenance Responsibility Mechanism ²³	Hydraulic Sizing Criteria ²⁴	Alternative Compliance Measures ^{25/26}	Alternative Certification ²⁷	HM Controls ^{28/29}
			are pest- and/or disease-resistant, drought-tolerant, and/or attract beneficial insects. Minimize use of pesticides and quick-release fertilizers. Use efficient irrigation system; design to minimize runoff. Design for discharge of fire sprinkler test water to landscape or sanitary sewer. Drain condensate of air conditioning units to landscaping. Large air	by clustering development and preserving open space. Use micro-detention, including distributed landscape-based detention. Protect sensitive areas, including wetland and riparian areas, and minimize changes to the natural topography.						

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

Project Name Project No.	Application Deemed Complete Date ¹⁸	Application Final Approval Date ¹⁹	Source Control Measures ²⁰	Site Design Measures ²¹	Treatment Systems Approved ²²	Type of Operation & Maintenance Responsibility Mechanism ²³	Hydraulic Sizing Criteria ²⁴	Alternative Compliance Measures ^{25/26}	Alternative Certification ²⁷	HM Controls ^{28/29}
			conditioning units may connect to the sanitary sewer. Roof drains shall drain to unpaved area where practicable. Drain boiler drain lines, roof top equipment, all washwater to sanitary sewer.							
Public Storage – Newark	10/14/14	11/13/14	Mark on-site inlets with the words “No Dumping! Flows to Bay”. Plumb interior floor drains to sanitary sewer. Plumb interior parking garage floor drains to sanitary	Direct roof runoff onto vegetated areas. Direct runoff from sidewalks, walkways, and/or patios onto vegetated areas. Direct runoff from driveways and/or uncovered parking lots onto	Flow-through planter	Stormwater Treatment Measures Maintenance Agreement/Operation and Maintenance Information Form	Flow based approach	No alternative compliance involved in this project.	No alternative certification involved in this project.	HM Controls are not required for this project. Site is located in tidally influenced/depositional area – exempt area on HMP Susceptibility Map.

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

Project Name Project No.	Application Deemed Complete Date ¹⁸	Application Final Approval Date ¹⁹	Source Control Measures ²⁰	Site Design Measures ²¹	Treatment Systems Approved ²²	Type of Operation & Maintenance Responsibility Mechanism ²³	Hydraulic Sizing Criteria ²⁴	Alternative Compliance Measures ^{25/26}	Alternative Certification ²⁷	HM Controls ^{28/29}
			sewer. Retain existing vegetation as practicable. Select diverse species appropriate to the site. Include plants that are pest- and/or disease- resistant, drought- tolerant, and/or attract beneficial insects. Minimize use of pesticides and quick- release fertilizers. Use efficient irrigation system; design to minimize runoff. Provide a	vegetated areas. Minimize land disturbance and impervious surface (especially parking lots). Maximize permeability by clustering development and preserving open space. Use micro- detention, including distributed landscape- based detention. Protect sensitive areas, including wetland and riparian areas, and minimize changes to the natural topography. Self-treating						

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

Project Name Project No.	Application Deemed Complete Date ¹⁸	Application Final Approval Date ¹⁹	Source Control Measures ²⁰	Site Design Measures ²¹	Treatment Systems Approved ²²	Type of Operation & Maintenance Responsibility Mechanism ²³	Hydraulic Sizing Criteria ²⁴	Alternative Compliance Measures ^{25/26}	Alternative Certification ²⁷	HM Controls ^{28/29}
			roofed and enclosed area for dumpsters, recycling containers, etc., designed to prevent stormwater run-on and runoff. Connect any drains in or beneath dumpsters, compactors, and tallow bin areas serving food service facilities to the sanitary sewer.	area.						
Self-Storage Facility	10/14/14	11/13/14	Mark on-site inlets with the words "No Dumping! Flows to Bay." Retain existing vegetation as practicable.	Direct roof runoff onto vegetated areas. Direct roof runoff onto vegetated areas. Direct runoff from driveways and/or	Flow-through planter	Maintenance Agreement/Operation and Maintenance Information Form	Flow based approach	No alternative compliance involved in this project.	No alternative certification involved in this project.	HM Controls is not required for this project. Site is not located in a high slope zone or special consideration watershed, as shown on the HMP Susceptibility Map. Qualified engineer professional has determined that runoff

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

Project Name Project No.	Application Deemed Complete Date ¹⁸	Application Final Approval Date ¹⁹	Source Control Measures ²⁰	Site Design Measures ²¹	Treatment Systems Approved ²²	Type of Operation & Maintenance Responsibility Mechanism ²³	Hydraulic Sizing Criteria ²⁴	Alternative Compliance Measures ^{25/26}	Alternative Certification ²⁷	HM Controls ^{28/29}
			Select diverse species appropriate to the site. Include plants that are pest- and/or disease-resistant, drought-tolerant, and/or attract beneficial insects. Minimize use of pesticides and quick-release fertilizers. Use efficient irrigation system; design to minimize runoff. Provide a roofed and enclosed area for dumpsters, recycling containers,	uncovered parking lots onto vegetated areas. Construct sidewalks, walkways, and/or patios with permeable surfaces. Construct bike lanes, driveways, and/or uncovered parking lots with permeable surfaces. Minimize land disturbance and impervious surface (especially parking lots). Maximize permeability by clustering development and preserving open						from the project flows only through a hardened channel or enclosed pipe along its entire length before emptying into a waterway in the exempt area.

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

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			etc., designed to prevent stormwater run-on and runoff. Connect any drains in or beneath dumpsters, compactors, and tallow bin areas serving food service facilities to the sanitary sewer.	space. Use micro-detention, including distributed landscape-based detention. Protect sensitive areas, including wetland and riparian areas, and minimize changes to the natural topography. Self-treating area. Self-retaining area. Self-retaining area.						
Classics at Newark	1/13/15	2/12/15	Mark on-site inlets with the words "No Dumping! Flows to Bay" Retain existing vegetation as	Direct roof runoff onto vegetated areas. Minimize land disturbance and impervious surface (especially	Bioretention facility	Maintenance Agreement/Operation and Maintenance Information Form	Combination hydraulic sizing approach and flow-based approach	No alternative compliance involved in this project.	No alternative certification involved in this project.	Project subject to HM requirements. Bay Area Hydrology Model (BAHM) was used to size multiple bioretention basins.

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

Project Name Project No.	Application Deemed Complete Date ¹⁸	Application Final Approval Date ¹⁹	Source Control Measures ²⁰	Site Design Measures ²¹	Treatment Systems Approved ²²	Type of Operation & Maintenance Responsibility Mechanism ²³	Hydraulic Sizing Criteria ²⁴	Alternative Compliance Measures ^{25/26}	Alternative Certification ²⁷	HM Controls ^{28/29}
			practicable. Select diverse species appropriate to the site. Include plants that are pest- and/or disease-resistant, drought-tolerant, and/or attract beneficial insects. Minimize use of pesticides and quick-release fertilizers. Use efficient irrigation system; design to minimize runoff. Drain condensate of air conditioning units to landscaping. Large air	parking lots). Maximize permeability by clustering development and preserving open space. Use micro-detention, including distributed landscape-based detention. Protect sensitive areas, including wetland and riparian areas, and minimize changes to the natural topography.						

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

Project Name Project No.	Application Deemed Complete Date ¹⁸	Application Final Approval Date ¹⁹	Source Control Measures ²⁰	Site Design Measures ²¹	Treatment Systems Approved ²²	Type of Operation & Maintenance Responsibility Mechanism ²³	Hydraulic Sizing Criteria ²⁴	Alternative Compliance Measures ^{25/26}	Alternative Certification ²⁷	HM Controls ^{28/29}
			conditioning units may connect to the sanitary sewer. Roof drains shall drain to unpaved area where practicable. Drain boiler drain lines, roof top equipment, all washwater to sanitary sewer.							
Newark Corps Community Center	2/10/15	2/26/15	Mark on-site inlets with the words "No Dumping! Flows to Bay". Plumb interior floor drains to sanitary sewer. Retain existing vegetation as practicable.	Direct roof runoff onto vegetated areas. Direct roof runoff onto vegetated areas. Direct runoff from driveways and/or uncovered parking lots onto vegetated areas.	Bioretention area and Flow-through planter	Maintenance Agreement/Operation and Maintenance Information Form	Flow-based approach	No alternative compliance involved in this project.	No alternative certification involved in this project.	HM Controls are not required for this project. Project does not create and/or replace 1 acre or more of imperious surface.

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

Project Name Project No.	Application Deemed Complete Date ¹⁸	Application Final Approval Date ¹⁹	Source Control Measures ²⁰	Site Design Measures ²¹	Treatment Systems Approved ²²	Type of Operation & Maintenance Responsibility Mechanism ²³	Hydraulic Sizing Criteria ²⁴	Alternative Compliance Measures ^{25/26}	Alternative Certification ²⁷	HM Controls ^{28/29}
			Select diverse species appropriate to the site. Include plants that are pest- and/or disease- resistant, drought- tolerant, and/or attract beneficial insects. Minimize use of pesticides and quick- release fertilizers. Use efficient irrigation system; design to minimize runoff. Provide sink or other area for equipment cleaning, which is: Connected							

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

Project Name Project No.	Application Deemed Complete Date ¹⁸	Application Final Approval Date ¹⁹	Source Control Measures ²⁰	Site Design Measures ²¹	Treatment Systems Approved ²²	Type of Operation & Maintenance Responsibility Mechanism ²³	Hydraulic Sizing Criteria ²⁴	Alternative Compliance Measures ^{25/26}	Alternative Certification ²⁷	HM Controls ^{28/29}
			to a grease interceptor prior to sanitary sewer discharge. Large enough for the largest mat or piece of equipment to be cleaned. Indoors or in an outdoor roofed area designed to prevent stormwater run-on and run-off, and signed to require equipment washing in this area. Provide a roofed and enclosed area for dumpsters, recycling containers, etc.,							

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

Project Name Project No.	Application Deemed Complete Date ¹⁸	Application Final Approval Date ¹⁹	Source Control Measures ²⁰	Site Design Measures ²¹	Treatment Systems Approved ²²	Type of Operation & Maintenance Responsibility Mechanism ²³	Hydraulic Sizing Criteria ²⁴	Alternative Compliance Measures ^{25/26}	Alternative Certification ²⁷	HM Controls ^{28/29}
			designed to prevent stormwater run-on and runoff. Connect any drains in or beneath dumpsters, compactors, and tallow bin areas serving food service facilities to the sanitary sewer. Design for discharge of fire sprinkler test water to landscape or sanitary sewer.							
Willow – Senior Community - SHH	8/26/14	9/11/14	Mark on-site inlets with the words “No Dumping! Flows to Bay”. Plumb interior floor drains to sanitary	Direct roof runoff onto vegetated areas. Direct roof runoff onto vegetated areas. Direct runoff from driveways and/or	Bioretention area and Flow-through planter	Maintenance Agreement/Operation and Maintenance Information Form	Flow-based approach	No alternative compliance involved in this project.	No alternative certification involved in this project.	HM Controls are not required for this project. Project does not create and/or replace 1 acre or more of imperious surface.

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

Project Name Project No.	Application Deemed Complete Date ¹⁸	Application Final Approval Date ¹⁹	Source Control Measures ²⁰	Site Design Measures ²¹	Treatment Systems Approved ²²	Type of Operation & Maintenance Responsibility Mechanism ²³	Hydraulic Sizing Criteria ²⁴	Alternative Compliance Measures ^{25/26}	Alternative Certification ²⁷	HM Controls ^{28/29}
			sewer. Retain existing vegetation as practicable. Select diverse species appropriate to the site. Include plants that are pest- and/or disease- resistant, drought- tolerant, and/or attract beneficial insects. Minimize use of pesticides and quick- release fertilizers. Use efficient irrigation system; design to minimize runoff. Provide sink	uncovered parking lots onto vegetated areas.						

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

Project Name Project No.	Application Deemed Complete Date ¹⁸	Application Final Approval Date ¹⁹	Source Control Measures ²⁰	Site Design Measures ²¹	Treatment Systems Approved ²²	Type of Operation & Maintenance Responsibility Mechanism ²³	Hydraulic Sizing Criteria ²⁴	Alternative Compliance Measures ^{25/26}	Alternative Certification ²⁷	HM Controls ^{28/29}
			or other area for equipment cleaning, which is: Connected to a grease interceptor prior to sanitary sewer discharge. Indoors or in an outdoor roofed area designed to prevent stormwater run-on and run-off, and signed to require equipment washing in this area. Provide a roofed and enclosed area for dumpsters, recycling containers, etc., designed to prevent							

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

Project Name Project No.	Application Deemed Complete Date ¹⁸	Application Final Approval Date ¹⁹	Source Control Measures ²⁰	Site Design Measures ²¹	Treatment Systems Approved ²²	Type of Operation & Maintenance Responsibility Mechanism ²³	Hydraulic Sizing Criteria ²⁴	Alternative Compliance Measures ^{25/26}	Alternative Certification ²⁷	HM Controls ^{28/29}
			stormwater run-on and runoff. Connect any drains in or beneath dumpsters, compactors, and tallow bin areas serving food service facilities to the sanitary sewer. Design for discharge of fire sprinkler test water to landscape or sanitary sewer.							

f

C.3.b.v.(1) ► Regulated Projects Reporting Table (part 2) – Projects Approved During the Fiscal Year Reporting Period (public projects)										
Project Name Project No.	Approval Date ³⁰	Date Construction Scheduled to Begin	Source Control Measures ³¹	Site Design Measures ³²	Treatment Systems Approved ³³	Operation & Maintenance Responsibility Mechanism ³⁴	Hydraulic Sizing Criteria ³⁵	Alternative Compliance Measures ^{36/37}	Alternative Certification ³⁸	HM Controls ^{39/40}
Public Projects										
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Note: The City did not have any public regulated projects for the 2014-2015 FY reporting period.										

³⁰For public projects, enter the plans and specifications approval date.

³¹List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.

³²List 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.

³³List 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.).

³⁴List 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.

³⁵See 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).

³⁶For 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.

³⁷For 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.

³⁸Note whether a third party was used to certify the project design complies with Provision C.3.d.

³⁹If HM control is not required, state why not.

⁴⁰If HM control is required, state control method used (e.g., method to design and size device(s) or method(s) used to meet the HM Standard, and description of device(s) or method(s) used, such as detention basin(s), bioretention unit(s), regional detention basin, or in-stream control).

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

Name of Facility/Site Inspected	Address of Facility/Site Inspected	Newly Installed? (YES/NO) ⁴¹	Party Responsible ⁴² For Maintenance	Date of Inspection	Type of Inspection ⁴³	Type of Treatment/HM Control(s) Inspected ⁴⁴	Inspection Findings or Results ⁴⁵	Enforcement Action Taken ⁴⁶	Comments/Follow-up
Tract 7126	Forbes Drive & Wedgewood Street, Byington Park	No	City of Newark	11/3/14	Annual	CDS Units (2)	Floatables + Murky Water. The City typically vacuum and cleans out the CDS Units with VAC CON. Cleaning of all City owned CDS Units are usually performed on the same schedule.	None	CDS Units vacuumed and cleaned upon inspection. Inspection was performed on the same day maintained.
Tract 7246	Intersection of Aleppo Drive & Enterprise Drive	No	City of Newark	11/3/14	Annual	CDS Unit	Floatables + Murky Water, The City typically vacuum and cleans out the CDS Units with VAC CON. Cleaning of all City owned CDS Units are usually performed on the same schedule.	None	CDS Unit vacuumed and cleaned upon inspection. Inspection was performed on the same day maintained.
Tract 7254	Intersection of Smith Avenue & Amaryllis Place	No	City of Newark	11/3/14	Annual	CDS Unit	Floatables + Murky Water. The City typically vacuum and cleans out the CDS Units with VAC CON. Cleaning of all City owned CDS Units are usually performed on the same schedule.	None	CDS Units vacuumed and cleaned upon inspection. Inspection was performed on the same day maintained.
Cedar Springs	39620 Cedar Boulevard	No	Shamco Investments	6/26/15	Annual	Grassy Swale CDS Unit	Grass looks good and appears to have been trimmed recently. Grass thick and has patches of brown which is ok. Tree in swale area should be straightened for safety. Edge of pavement adjacent to grassy swale should be swept. CDS	None	Will monitor the condition of grass and the tree.

⁴¹Indicate "YES" if the facility was installed within the reporting period, or "NO" if installed during a previous fiscal year.

⁴²State the responsible operator for installed stormwater treatment systems and HM controls.

⁴³State the type of inspection (e.g., 45-day, routine or scheduled, follow-up, etc.).

⁴⁴State the type(s) of treatment systems inspected (e.g., bioretention facility, flow-through planter, infiltration basin, etc...) and the type(s) of HM controls inspected, and indicate whether the treatment system is an onsite, joint, or offsite system.

⁴⁵State the inspection findings or results (e.g., proper installation, improper installation, proper O&M, immediate maintenance needed, etc.).

⁴⁶State the enforcement action(s) taken, if any.

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

Name of Facility/Site Inspected	Address of Facility/Site Inspected	Newly Installed? (YES/NO) ⁴¹	Party Responsible ⁴² For Maintenance	Date of Inspection	Type of Inspection ⁴³	Type of Treatment/HM Control(s) Inspected ⁴⁴	Inspection Findings or Results ⁴⁵	Enforcement Action Taken ⁴⁶	Comments/Follow-up
							Unit not full and has been recently cleaned out (6/18/14). Water appears murky which is normal, minimal floatables.		
Cruise America	5623 John Muir Drive	No	Balentine Drive Holdings LLC	6/26/15	Annual	Bioretention Areas	Bioretention areas in great shape. Landscaping healthy, green, and lush. Well maintained. Catch basins clean.	None	None
Mitac Information Systems, Corp	39889 Eureka Drive	No	Mitac Information Systems, Corp	6/26/15	Annual	Vegetative Swale	Grass in front parking lot cut really short. However, it looks better than last year as there are patches of green grass. Rear parking lot bioswales look great. Thick, lush, and fully germinated. Catch basins clean.	None	None. Items in correction letter sent last year have been corrected.
Amazon Distribution Center	38811 Cherry Street	No	Cherry Logistics LLC	6/26/15	Annual	Bioretention	Grass cut short in the front. Grass looks ok. Thick, green/brown-ish, some weeds. Some trash in the rear yard and front side. Overflows have openings on the side in the front. Would like to see the side openings plugged to maximize ponding within the bioretention areas.	None	Will write the property owner a letter in regards to the trash and plugging in the openings to the overflows. During construction there was a clear 6 inch gap from the opening to the finish grade. That gap has been reduced due to erosion. Would prefer they plug side opening to provide 6-inches of ponding (front).
Emmanuel Mission Church	5885 Smith Avenue	No	Emmanuel Mission Church	6/26/15	Annual	Flow-through planter	Flow through planter in great shape. Plants are healthy and well maintained.	None	None
Cherry Property Investment	38083 Cherry Street	No	Apex Maritime Co., Inc	6/26/15	Annual	Grassy Swale	Grass recently replanted. Slow germination due to water	None	Will send over a reminder to the property manager

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

Name of Facility/Site Inspected	Address of Facility/Site Inspected	Newly Installed? (YES/NO) ⁴¹	Party Responsible ⁴² For Maintenance	Date of Inspection	Type of Inspection ⁴³	Type of Treatment/HM Control(s) Inspected ⁴⁴	Inspection Findings or Results ⁴⁵	Enforcement Action Taken ⁴⁶	Comments/Follow-up
							restrictions. New grass appears dry but not dead. Sump in the back may need annual maintenance.		to increase the water time/frequency slightly and to have the sump in the back of the property maintained.
Inwalle Newark LLC/Starbucks & Autozone	35020, 35040, 35060 Newark Boulevard	No	Inwalle Newark	6/26/15	Annual	Bioretention	Bioretention areas are green, thick, and maintained. Looks good.	None	None
Venture Commerce Center	35465 Dumbarton Court	No	Venture Commerce Center Property	6/26/15	Annual	Grassy Swale	Grass appears to be alive, maintained, and cut short along the perimeter of the property. Grass is brown, due to the water restriction, some spots of green.	None	Will monitor condition of the grass.
Datasafe	37580 Filbert Street	No	Reis Newark LLC	6/26/15	Annual	Infiltration Swale, Infiltration Basin, Pervious Pavers	Infiltration trench at the rear of the property looks good. Grass green, good height, and thick with only a few weeds. The grass within the infiltration swale appears to be dead and needs to be replaced entirely. Pervious pavers is in good shape and appears to have minimal to zero traffic.	Verbal Warning	Will send letter to property owner regarding the condition of the infiltration swale. It appears the infiltration swale has not been watered on a regular basis. Site may have eliminated watering to the area. Soil may have to be removed as well. Will also have them confirm that irrigation system is in proper working function.
Apple Building	39800 Eureka Drive	No	Apple Inc.	6/25/15	Annual	Bioswales, Bioretention, Self-retaining areas	Grass thick, mostly brown grass, some patches of green. Could increase water. All areas maintained regularly. Small area around overflow needs to be reseeded but not critical.	None	None
Washington	6250 Thornton	No	Newark Medical	6/25/15	Annual	Grassy Swales	Grassy swales are regularly	None	None

C.3.h.iv. ► Table of Installed Stormwater Treatment Systems Operation and Maintenance Verification Inspection Program Reporting									
Name of Facility/Site Inspected	Address of Facility/Site Inspected	Newly Installed? (YES/NO) ⁴¹	Party Responsible ⁴² For Maintenance	Date of Inspection	Type of Inspection ⁴³	Type of Treatment/HM Control(s) Inspected ⁴⁴	Inspection Findings or Results ⁴⁵	Enforcement Action Taken ⁴⁶	Comments/Follow-up
Hospital Newark Clinic	Avenue		Center				maintained and look great. Grass green and thick. Catch basins cleaned.		
Senior Center	7401 Enterprise Drive	No	City of Newark	6/25/15	Annual	Grassy Swale	Grass green, thick and healthier than last year. Grass has some weeds and some brown patches due to water restrictions. Curb openings for the most part clear with a few weeds.	None	None
Ardenwood Marketplace	34903 Newark Boulevard	No	Portfolio Realty Management, Inc.	6/25/15	Annual	Two CDS Units	Murky water and floatables	None	None. CDS Units on a regular schedule and is maintained yearly by SWIMS.
Home Depot	5401 Thornton Avenue	No	Home Depot	6/25/15	Annual	Vortech Units	Murky water and floatables	None	None. CDS Units on a schedule and is maintained yearly by SWIMS.

C.3.e.vi.Special Projects Reporting Table												
Reporting Period –January1 – June 30, 2015												
Project Name & No.	Permittee	Address	Application Submittal Date ⁴⁷	Status ⁴⁸	Description ⁴⁹	Site Total Acreage	Density DU/Acre	Density FAR	Special Project Category ⁵⁰	LID Treatment Reduction Credit Available ⁵¹	List of LID Stormwater Treatment Systems ⁵²	List of Non-LID Stormwater Treatment Systems ⁵³
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
The City did not have a special project during the 2014-2015 FY reporting period.												

⁴⁷Date that a planning application for the Special Project was submitted.

⁴⁸ 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.

⁴⁹Type of project (commercial, mixed-use, residential), number of floors, number of units, type of parking, and other relevant information.

⁵⁰ For each applicable Special Project Category, list the specific criteria applied to determine applicability. For each non-applicable Special Project Category, indicate n/a.

⁵¹For 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.

⁵²: 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.

⁵³List all non-LID stormwater treatment systems proposed. For each type of non-LID treatment system, indicate: (1) the percentage of the total amount of runoff identified in Provision C.3.d. for the Special Project's drainage area, and (2) whether the treatment system either meets minimum design criteria published by a government agency or received certification issued by a government agency, and reference the applicable criteria or certification.

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

Program Highlights

Provide background information, highlights, trends, etc.

The City's Industrial and Commercial inspections during the FY2014-15 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 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 and to those businesses applying to be included in the Alameda County Green Business Program. The City will continue to use the Alameda Countywide Clean Water Program Standard Stormwater Facility Inspection Report Form, attend IIDC Subcommittee bimonthly meetings 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.i. ► Business Inspection Plan

Do you have a Business Inspection Plan? Yes No

If No, explain: NA

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

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

Trench Plate Rental, Five-Star Lumber, C&Y Global Group California, Quiet Rock, Ferma, Ayzta (formerly Full Bloom Bakery), Cargill Salt, Pabco Gypsum, Oatey Corp, Matheson Tri-Gas, Steeler Inc., European Auto W., Gallade, Morton Salt, Newark School District Corporation Yard, Sanmina, Elite Recycling, Pape Machinery, Pick-N-Pull, Safety Kleen, BASF, Manufactured Packaging Products /Orora, Oak Harbor Freight, AHG Group, Lion Mall

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

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

C&Y Global Group California, Safety Kleen, Sanmina, Steeler Inc., Trench Plate Rental, Morton Salt, Manufactured Packaging Products/Orora, Western Pulp & Paper, Oak Harbor Freight, Quiet Rock, Newark Unified School District, BASF, Ferma Corp, 5-Star Lumber, Pabco Gypsum, Pick-N-Pull, Pape, Full Bloom, Cargill Salt, Matheson Tri Gas, Oatey Corp, European Auto Wrecking, Gallade, Redwood Coast Petroleum, Jaffee Properties, Lion Mall, car dealerships, gas stations, and food service facilities (restaurants, grocery stores, etc.)

C.4.c.iii.(1) ► Facility Inspections

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

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

	Number	Percent
Number of businesses inspected	24	
Total number of inspections conducted	33	
Number of violations (excluding verbal warnings)	0	
Sites inspected in violation	14	58
Violations resolved within 10 working days or otherwise deemed resolved in a longer but still timely manner	8	57

Comments:

1) "Sites inspected in violation" are reported when a site has one or more violations. Multiple violations are reported as one violation on a site. All the violations for the FY2014-2015 period were verbal warnings.

2) There were 14 cases where inspections resulted in a need for corrective action and were issued a verbal warning. Of the 14 total cases (verbal warnings), a total of 8 cases were resolved within 10 working days of the initial inspection date. The remaining 6 cases were allowed an extended amount of time and Staff will complete follow-up inspections in the early portion of the FY 2015-2016 reporting period. City staff allowed the extension due to the timing of the reporting period during the summer months and the lack of rain. A total of 10 sites had all the appropriate Best Management Practices (BMP) in place in which zero enforcement was required.

3) Advanced Anodize & Pozas Bros. Trucking, previous NOI sites, have moved from their Newark location and was not inspected. A Notice of Termination (NOT) should have been submitted to the State Water Resources Control Board.

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

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

Type/Category of Violations Observed	Number of Violations
Actual discharge (e.g. active non-stormwater discharge or clear evidence of a recent discharge)	0
Potential discharge and other	0(14)

Comments:

There were 14 sites that required corrective action and given a verbal warning (in parenthesis). We are assuming that if the corrective actions (verbal warnings) are not addressed, the potential for future discharges can increase which is why we are including verbal warnings in the table. There were zero discharges for commercial and industrial inspections scheduled during the FY 2014-2015. If any discharge would occur, the City would count one discharge per inspection per site.

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

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

	Enforcement Action (as listed in ERP) ⁴⁸	Number of Enforcement Actions Taken	% of Enforcement Actions Taken ⁴⁹
Level 1	Verbal Warning	14	100
Level 2	Written Enforcement	0	0
Level 3	Administrative Fine	0	0
Level 4	Legal Action	0	0
Total		14	100

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

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

Business Category ⁵⁰	Number of Actual Discharge Violations	Number of Potential/Other Discharge Violations
State of California’s Industrial General Permit program (NOI)	0	0

C.4.c.iii.(4) ▶ Non-Filers

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

AHG Recycling Group (Instructed to contact the State Water Resources Control Board on 6/29/15)
 C&Y Global (Instructed to contact the State Water Resources Control Board on 6/12/15)
 Elite Recycling (In the process of filing with the State Water Resources Control Board)

C.4.d.iii ▶ Staff Training Summary

Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance	Percent of Inspectors in Attendance
Stormwater Business Inspectors Workshop	6/3/15	C.4 Overview; IGP Update; Facility Sources of BMPs; Using and understanding CASQA BMP Handbook for businesses; Mock inspections	4	100

⁴⁸Agencies to list specific enforcement actions as defined in their ERPs.

⁴⁹Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.

⁵⁰List your Program’s standard business categories.

Honing Your Inspection Skills		Urban runoff pollution prevention Inspection procedures BMPs at Industrial and Commercial Facilities PCBs or PCB-containing equipment.		
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Section 5 – Provision C.5 Illicit Discharge Detection and Elimination

Program Highlights

Provide background information, highlights, trends, etc.

The City of Newark saw a slight decrease in the total number of discharges reported during FY 2014-2015. Public awareness and knowledge on the topic of water quality/environmental protection in addition to improvements in communication between the Fire Department, City Maintenance, and City Engineering staff has improved the effectiveness of controlling and reporting spills in comparison to previous years. City staff also has inquired with the California EOA to be included in the list of agencies that receive detailed, up-to-date reports on spills in the City. Newark staff from the Engineering Division of the Public Works Department attends the Industrial and Illicit Discharge Control (I&IDC) Subcommittee meetings as often as possible. The City continues to obtain more knowledge on issues related to illicit discharge detection from experience from other agencies, additional training/workshops, and current BMPs forms/outreach material from I&IDC meetings that can be applied or distributed as necessary.

The City of Newark routinely inspects 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.

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

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

Contact	Description	Phone Number
Michael Carmen	Public Works – Engineering Division	510-578-4320
Public Works Engineering Division	General Phone Number	510-578-4290
Public Works Maintenance Division	General Phone Number	510-578-4806
City of Newark Police Department	Non-Emergency Number/Dispatch	510-578-4237
Alameda County Fire Department	Non-Emergency Number	925-447-4257

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

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

Description:

The City's mobile business program still revolves around the BMPs stated in the updated information summary prepared by the Alameda Countywide Clean Water Program for mobile cleaners. The BMPs listed is the standard for mobile businesses. The BMPs listed for transportation related washing, surface/carpet cleaning, food related cleaning, and other activities such as mobile homes and pet care are all summarized in the information summary. The brochure is made available on-line and is an outreach item typically distributed at public events and when

operators of mobile businesses are found not addressing applicable BMPs. The City continues to attend the Industrial and Illicit Discharge Control Subcommittee Meetings for up to date information on outreach materials, general information on BMP standards, and enforcement strategies for mobile businesses.

For complaints, the City immediately goes to the mobile vendor, writes down company information and completes a citation that acts as a warning. If the discharge requires additional cleanup measures, the mobile business will be responsible for hiring the appropriate party to clean up the spill and any storm drain structures (catch basin and storm drain lines) would be vacuum flushed and cleaned as necessary. City staff normally remains on the site during clean-up activities to ensure proper clean-up.

The City hires one BASMAA certified Mobile Surface Cleaner to assist with the monthly maintenance of Magnolia Plaza at the intersection of Thornton Avenue and Magnolia Street. The mobile surface cleaner is New Image Landscape Company. Any mobile business cleaners hired by the City are required to attend and be certified in BASMAA training.

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

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

The City of Newark’s screening program consists of inspections of storm drain inlets by Maintenance Division staff during inlet cleaning operations and periodic inspections of outfalls and flood control channel segments by Engineering Division staff. Storm drain inlet inspections are routinely completed prior to the rainy season as part of the City’s inlet cleaning program. Engineering Division staff periodically reviews flood control channel segments and outfalls in the course of other inspection activities. The City does not yet have an ongoing program to video underground storm drain lines.

During the course of these inspections, staff did not discover any evidence of illicit discharges or spill events having reached the storm drain system. Several spill and discharge events were reported within the public right-of-way during the reporting period however and these are summarized in C.5.f.iii below.

A storm drain system map hardcopy is on hand and available for public view at the Engineering Division offices (37101 Newark Boulevard). Staff will continue to improve collection system screening techniques in accordance with “Illicit Discharge Detection and Elimination: A Guidance Manual for Program Development and Technical Assessment” published by the USEPA/Center for Watershed Protection. The dry weather screening for the reporting period far exceeded the minimum requirement of one screening point per square mile.

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

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

	Number	Percentage
Discharges reported (C.5.f.iii.(1))	9	
Discharges reaching storm drains and/or receiving waters (C.5.f.iii.(2))	5	56
Discharges resolved in a timely manner (C.5.f.iii.(3))	2	40

The City’s illicit discharge complaint and response program has not changed and is implemented through the Public Works Engineering Division. Once a call is received or if an illicit discharge is observed, a staff member immediately drives to the site, property owner or site manager is contacted to have the discharge cleaned up immediately by a professional company, and a report is completed and pictures are taken as

necessary. 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 for temporary measures such as sandbags, filter fabric, absorbent, etc. If the discharge goes beyond the storm drain system into a nearby channel or creek, the Alameda County Flood Control District and the Department of Fish and Game are contacted. City staff remains on the site until affected area is cleaned or when staff determines that clean-up operations are under control. . 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 three discharges that made it to the storm drain system (2 were resolved as noted in the table above) and not resolved in a timely manner were related to sanitary sewer lateral/cleanout overflows, sanitary sewer main line overflows, and car wash water in which a majority of the discharge has reached the storm drain system before any temporary controls can be implemented. In those cases, the discharges took place hours before the report was made to the City or Fire Department have addressed. Storm drain systems are still inspected and clean-up operations would be implemented if necessary.

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

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

For the 2014-2015 reporting period, the following is a general list of discharges and complaints: 1) Oil/hydraulic/anti-freeze spills onto street pavement from large trucks 2) car washing operations 3) grease interceptor/sanitary sewer cleanout overflow 4) concrete washout activities 5) sanitary sewer main line overflow

Section 6 – Provision C.6 Construction Site Controls

C.6.e.iii.1.a, b, c ▶ Site/Inspection Totals		
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	# 5	# 28
The common correction items during construction was dust control, stabilized construction entrance maintenance, sediment tracking, pavement sweeping, concrete washout maintenance, soil stockpile protection, inlet protection, and perimeter protection.		

C.6.e.iii.1.d ► Construction Activities Storm Water Violations		
BMP Category	Number of Violations⁵¹ excluding Verbal Warnings	% of Total Violations⁵²
Erosion Control	0 (1)	0 (3)
Run-on and Run-off Control	0	0
Sediment Control	0 (18)	0 (60)
Active Treatment Systems	0	0
Good Site Management	0 (7)	0 (23)
Non Stormwater Management	0 (4)	0 (14)
Total⁵³	0 (30)	100%
For the 2014-2015 FY, all the corrections noted on "Inspection Checklist for Stormwater Controls" checklist provided by the Alameda County Clean Water Program to the contractor were "Verbal Warnings" (Verbal Warning with checklist). The numbers in parentheses in the table above represent "Verbal Warning" violations. The City did not have any violations that require "Written Enforcement (Level 2)," "Notice to Comply," or "Stop Work Order" to the developer and/or contractor.		

⁵¹Count 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.

⁵²Percentage calculated as number of violations in each category divided by total number of violations in all six categories.

⁵³The 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.1.e ► Construction Related Storm Water Enforcement Actions

	Enforcement Action (as listed in ERP) ⁵⁴	Number Enforcement Actions Issued	% Enforcement Actions Issued ⁵⁵
Level 1 ⁵⁶	Verbal Warning	30	100
Level 2	Written Enforcement	0	0
Level 3	Administrative Fee	0	0
Level 4	Legal Action	0	0
Total			100%

C.6.e.iii.1.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

⁵⁴Agencies should list the specific enforcement actions as defined in their ERPs.

⁵⁵Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.

⁵⁶For example, Enforcement Level 1 may be Verbal Warning.

C.6.e.iii.1.h, i ► Violation Correction Times

	Number	Percent
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)	0	% ⁵⁷
Violations (excluding verbal warnings) not fully corrected within 30 days after violations are discovered (C.6.e.iii.1.i)	0	% ⁵⁸
Total number of violations (excluding verbal warnings) for the reporting year ⁵⁹	0	100%
Comments: All "Verbal Warnings with Documentation" addressed within 10 business days. The verbal warnings for each inspection were reported in Table C.6.e.iii.1.d above and were excluded from this table.		

C.6.e.iii.(2) ► Evaluation of Inspection Data

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 2013-2014 FY, a majority of the verbal warnings issued during the 2014-2015 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 contractors as continued re-raking and adding additional rock is normally required for sites that have a lot of heavy vehicle traffic. Rumble plates are typically required to supplement the rock to further minimize tracking and has been effective. For sites that require additional attention, the City may require a properly installed and monitored tire washout station or the placement of temporary asphalt grindings equivalent on-site. Re-raking, placing additional rock, rumble plates, close monitoring supplemented by sweeping (increase frequency & increase number of sweepers), and on-site dust control has worked at minimizing tracking onto public streets. Site management measures such as material storage and soil stockpile covering appear to be the next common verbal warning. Staff continues to require contractors to place containers full of liquid in secondary containment and to cover soil stockpiles with heavy duty plastic which contractors have trouble weighing down due to continued use and high winds. Sandbags have performed well at keeping the plastic down in comparison to stakes which tend to damage the plastic, decreasing the effectiveness. The type and amount of plastic covering is important as lightweight, cheap plastic tends to rip. Tarp held down by sandbags is the most effective. However, it may difficult for contractors to find large tarps. Staff requires that "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 if not in use. The City anticipates sediment control measures to continue to be the most common measure installed 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>

⁵⁷ 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.

⁵⁸ 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.

⁵⁹ 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.

C.6.e.iii.(2) ► 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 and comprises of monthly inspections for high priority sites that disturb more than one acre during the rainy season and periodic inspections on all 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 2010) 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 database. The City’s Building Inspectors and Public Works Inspectors have experience in construction site controls and will continue to attend County workshops. Direct communication between both departments improves the effectiveness of the program in between inspections as building inspectors (who are more frequently at construction sites) can quickly inform stormwater inspectors of any potential violations. The City has just recently renewed their subscription to access and download the California Stormwater Quality Association (CASQA) Best Management Practices (BMP) Handbooks. The CASQA handbooks are the primary BMP reference for all construction, industrial/commercial, municipal, new development, and redevelopment related issues.

Five (5) City inspectors attended the training workshop, Inspecting C.6 BMPs & Installation Demonstration, hosted by the Alameda County Cleanwater Program on March 5, 2015. The workshop provided City inspectors valuable information on what to look for when inspecting construction BMPs through presentations and actual field demonstrations. The workshop allowed City inspectors to visit with BMP vendors for detailed information on their product and technical instruction for correct installation.

C.6.f ► Staff Training Summary

Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance	Percent of Inspectors in Attendance
Inspecting C.6 BMPs & Installation Demonstration	3/5/15	Correct uses of specific BMPs Proper installation and maintenance of BMPs Permit requirements Copper Architectural BMPs.	5	83

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

C.7.b.ii.1 ▶ Advertising Campaign

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

Summary:

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

See Section C.7 – Public Information and Outreach – of the ACCWP FY 14-15 Annual Report for countywide advertising efforts. Also see the following separate report developed by BASMAA summarizes the activities of the Regional Youth Litter Campaign:

- BASMAA Be the Street Campaign Report

C.7.b.iii.1 ▶ Pre-Campaign Survey

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

Information on the pre-campaign survey for the BASMAA Regional Youth Litter Campaign was provided in the FY 11-12 Annual Report.

Place an X in the appropriate box below:

<input type="checkbox"/>	Survey report attached
<input checked="" type="checkbox"/>	Reference to regional submittal: BASMAA Regional Youth Litter Campaign in the BASBAA FY 11-12 Annual Report

C.7.b.iii.2 ► Post-Campaign Survey

(For the Annual Report following the post-campaign survey) Discuss the campaigns and the measureable changes in awareness and behavior achieved. Provide an update of outreach strategies based on the survey results. If survey was done regionally, refer to a regional submittal that contains the following information:

Information on the post-campaign survey for the BASMAA Regional Youth Litter Campaign was provided in the BASMAA FY 13-14 Annual Report.

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

<input type="checkbox"/>	Survey report attached
<input checked="" type="checkbox"/>	Reference to regional submittal: BASMAA Regional Youth Litter Campaign in the BASMAA FY 13-14 Annual Report

C.7.c ► Media Relations

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

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

Summary:

The following separate report developed by BASMAA summarizes media relations efforts conducted during FY 14-15:

- BASMAA Media Relations Final Report FY 14-15

This report and any other media relations efforts conducted countywide is included within the C.7 Public Information and Outreach section of the Countywide Program’s FY 14-15 Annual Report.

C.7.d ► Stormwater Point of Contact

Summary of any changes made during FY 14-15:

No change was made to the Stormwater Point of Contact.

C.7.e ► Public Outreach Events		
Describe general approach to event selection. Provide a list of outreach materials and giveaways distributed. Use the following table for reporting and evaluating public outreach events		
Event Details	Description (messages, audience)	Evaluation of Effectiveness
Provide event name, date, and location. Indicate if event is local, countywide or regional.	Identify type of event (e.g., school fair, farmers market etc.), type of audience (school children, gardeners, homeowners etc.) and outreach messages (e.g., 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"> • Estimated overall attendance at the event. • Number of people that visited the booth, comparison with previous years • Number of brochures and giveaways distributed • Results of any spot surveys conducted
SummerFest (local event) held on July 12, 2014 in the NewPark Mall parking lot.	SummerFest is hosted by the Newark Chamber of Commerce, and includes a variety of activities, including retail booths, live entertainment, food, and information booths. The event promotes recycling, and attracts visitors from Newark and nearby cities.	This was the third year hosting a booth at this event. Clean water program materials and used oil kits were provided and staff was available to answer questions and provide information specific to Newark’s Stormwater Program. Approximately 200 brochures and over 100 activity books were distributed to almost 250 booth visitors, compared to approximately 300 visitors the previous year.
Newark Days Community Information Faire (local event) held on September 21, 2014.	Newark Days is the City of Newark’s annual birthday celebration. This is a four-day event which draws thousands of people each year. The City’s Stormwater Program participated in the Community Information Faire, held on the last day of the celebration. Staff promoted use of alternatives to pesticides, clean water awareness, and used oil recycling.	More than 200 people interacted with staff at the Stormwater booth during the Community Information Faire. This is about the same level of attendance as in past years. More than 100 used oil kits were given away along with information and brochures related to alternatives to pesticide usage.
Family Day at the Park Community Resource	Resource fair with primary attendees being	Approximately 1,000 people were in

<p>Faire (local event) on March 28, 2015 at the Newark Community Center</p>	<p>families due to traditional family events such as Easter egg hunt, face painting, inflatable jump house etc.</p>	<p>attendance, approximately the same as last year's event. Staff estimates interacting with approximately 300 people to discuss the Stormwater program. Pencils, brochures, and other materials were provided and staff was in attendance to help answer questions.</p>
<p>Tri-City Car Show (local event) held on May 2, 2015.</p>	<p>The Tri-City Car Show was held in the NewPark Mall parking lot and draws car aficionados. The City of Newark Stormwater Program booth focused on the message of keeping storm drains clean and encouraged proper used oil recycling.</p>	<p>Staff estimates that over 200 stopped by the booth and more than 140 used oil kits were given away as well as information related to used oil recycling and the importance of a clean storm drain system.</p>
<p>Stormwater Exhibit at the Alameda County Fair: July 1 through July 6, 2014 and June 17 through June 30, 2015. Setting up the exhibit and producing the outreach materials are Countywide Program efforts. Staffing the exhibit is an effort conducted by individual Permittees.</p>	<p>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.</p>	<p>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 14/15 Annual Report.</p> <p>Newark City staff participated in the information booth at the fair with the "Luv the Bay" campaign. Booth visitors were asked to take a pledge not to litter in addition to uploading a photo which becomes part of an online mural depicting clean waterways and a healthy bay. Staff estimated interacting with about 40 people during an afternoon shift at the booth.</p>

C.7.f. ► Watershed Stewardship Collaborative Efforts

<p>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.</p> <p>Evaluate effectiveness by describing the following:</p> <ul style="list-style-type: none"> • Efforts undertaken • Major accomplishments <p>Summary: See Section C.7 (Public Outreach and Involvement) of the ACCWP FY 14/15 Annual Report for a summary of the <i>Bringing Back the</i></p>

Natives Garden Tours that is sponsored by the Program.

C.7.g. ► Citizen Involvement Events

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

Event Details	Description	Evaluation of effectiveness
Provide event name, date, and location. Indicate if event is local, countywide or regional	Describe activity (e.g., creek clean-up, storm drain marking etc.)	Provide general staff feedback on the event. Provide other evaluation details such as: <ul style="list-style-type: none"> • Number of participants. Any change in participation from previous years. • Distance of creek or water body cleaned • Quantity of trash/recyclables collected (weight or volume). • Number of inlets marked. • Data trends
Community Stewardship Grants Program	The Countywide Program sponsors the Community Stewardship Grants (CSG) Program. The CSG Program provides approximately \$25,000 annually in \$1,000 to \$5,000 increments to individuals and community groups to support stormwater improvement/outreach projects throughout the County.	See Section C.7 of the ACCWP FY14/15 Annual Report for a summary.
Citywide Park Clean-up (local event), on May 21, 2015	Volunteers from the Church of Latter Day Saints in the Newark area provided their services on a Citywide park clean-up that included portions of Jerry Raber Ash Street Park, Civic Center Park, Mirabeau Park, Bridgepointe Park, and Mayhews Landing Park. The work was supervised by City staff and included debris and litter removal, placement of bark mulch in playground and landscape areas, and other activities.	Approximately 40 volunteers participated in this event which was very successful. This contributed to an overall increase in community participation this year compared to last year. Approximately 4.0 cubic yards of trash and debris was removed from various parks.
Community Center Park Clean-Up (local	Emmanuel Mission Church of Newark provided volunteers to perform a clean-up of	A total of 25 volunteers participated in this event. Approximately 2.0 cubic yards of trash

event), on June 20, 2015	Community Center Park under the supervision of City staff. The scope of activity included debris and litter removal, pine needle raking, and placement of bark mulch in playground and landscape areas.	and debris was removed from Community Park.
Birch Grove Park Clean-Up (local event), on June 27, 2015	Volunteers from Arise Church in the Newark/Fremont area, under the supervision of City staff, performed a trash and litter and debris clean-up of Birch Grove Park and assisted with the placement of additional bark mulch in playground and landscape areas.	Arise Church provided 22 volunteers for this event. This group also participated in a similar event last year as part of Earth Day at a different location, and the numbers were slightly down (from 30+). However, they contributed to an overall increase in volunteer efforts for the year. Approximately 3.0 cubic yards of trash and debris was removed from Birch Grove Park.

C.7.h. ► School-Age Children Outreach

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

Program Details	Focus & Short Description	Number of Students/Teachers reached	Evaluation of Effectiveness
Provide the following information: Name Grade or level (elementary/ middle/ high)	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.
See the Section C.7 of the ACCWP FY 14/15 Annual Report for a summary of the Program's School-Age Outreach Program			

Section 8 - Provision C.8 Water Quality Monitoring

C.8 ► Water Quality Monitoring

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

Summary

During FY 14-15, we contributed through the countywide Program to the BASMAA Regional Monitoring Coalition (RMC). In addition, we contributed financially to the Regional Monitoring Program for Water Quality in the San Francisco Estuary (RMP) and were represented at RMP committees and work groups. Monitoring efforts and results are documented in a separate report submitted March 15 of each year, as required in Provision C.8. For additional information on monitoring activities conducted by the Program, BASMAA RMC and the RMP, see the C.8 Water Quality Monitoring section of the Program's FY 14-15 Annual Report and the Integrated Monitoring Report.

Section 9 – Provision C.9 Pesticides Toxicity Controls

C.9.b ► Implement IPM Policy or Ordinance						
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.						
Trends in Quantities and Types of Pesticides Used ⁶⁰						
Pesticide Category and Specific Pesticide Used	Amount ⁶¹					
	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15
Organophosphates	None	None	None	None	None	None
Product or Pesticide Type A	NA	NA	NA	NA	NA	NA
Product or Pesticide Type B	NA	NA	NA	NA	NA	NA
Pyrethroids	None	None	None	None	None	None
Product or Pesticide Type X	NA	NA	NA	NA	NA	NA
Product or Pesticide Type Y	NA	NA	NA	NA	NA	NA
Carbaryl	None	None	None	None	None	None
Fipronil	None	None	None	None	None	None

C.9.c ► 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 the last 3 years.	4
Enter the percentage of municipal employees who apply pesticides who have received training in the IPM policy and IPM standard operating procedures within the last three years.	100%

⁶⁰Includes all municipal structural and landscape pesticide usage by employees and contractors.

⁶¹Weight or volume of the product or preferably its active ingredient, using same units for the product each year. 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: allethrin, bifenthrin, beta-cyfluthrin, bioallethrin, cyfluthrin, cypermethrin, cyphenothrin, deltamethrin, esfenvalerate, etofenprox, fenpropathrin, gamma-cyhalothrin, imiprothrin, lambda-cyhalothrin, metofluthrin, permethrin, phenothrin, prallethrin, resmethrin, sumithrin (d-phenothrin), tau-fluvalinate, tefluthrin, tetramethrin, tralomethrin, cis-permethrin, and zeta-cypermethrin.

C.9.d ▶ Require Contractors to Implement IPM			
Did your municipality contract with any pesticide service provider in the reporting year?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
		Yes	No
If yes, attach one of the following:			
<input checked="" type="checkbox"/>	Contract specifications that require adherence to your IPM policy and standard operating procedures, OR		
<input type="checkbox"/>	Copy(ies) of the contractors' IPM certification(s) or equivalent, OR		
<input type="checkbox"/>	Equivalent documentation.		
If Not attached , explain: The relevant portion of the contract specification is attached. This project has been rolled over from the original project dated November 20, 2012.			

C.9.e ▶ Track and Participate in Relevant Regulatory Processes	
Summarize participation efforts, information submitted, and how regulatory actions were affected OR reference a regional report that summarizes regional participation efforts, information submitted, and how regulatory actions were affected.	
Summary: During FY 14-15, we participated in regulatory processes related to pesticides through contributions to the countywide Program, BASMAA and CASQA. For additional information, see the Regional Report submitted by BASMAA on behalf of all MRP Permittees.	

C.9.f ▶ Interface with County Agricultural Commissioners			
Did your municipal staff observe any improper pesticide usage or evidence of improper usage (e.g., pesticides in storm drain systems, along street curbs, or in receiving waters) during this fiscal year?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
		Yes	No
If yes, provide a summary of improper pesticide usage reported to the County Agricultural Commissioner and follow-up actions taken to correct any violations. A separate report can be attached as your summary.			

C.9.h.ii ▶ Public Outreach: Point of Purchase	
Provide a summary of public outreach at point of purchase, and any measurable awareness and behavior changes resulting from outreach (here or in a separate report); 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 Program's FY 14-15 Annual Report for information on point of purchase public outreach	

conducted countywide and regionally.

C.9.h.vi ► Public Outreach: Pest Control Operators

Provide a summary of public outreach to pest control operators and landscapers and reduced pesticide use (here or in a separate report); **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 14-15 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.

Section 10 - Provision C.10 Trash Load Reduction

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

Provide the following:

- 1) Total number and types of full capture devices (publicly and privately-owned) installed to-date:
- 2) Total land area (acres) and land areas within each trash generation category (i.e., very high, high, moderate and low) treated by full capture devices (or other types of devices for non-population based Permittees); and, compare with the total required in the permit.
- 3) A narrative summary of maintenance activities implemented for each device, group of devices, or device type, including descriptions of typical maintenance frequencies and issues associated with maintaining these devices. Describe, in particular, any devices that have trash or debris overflowed, bypassed or are not functioning properly in any other manner. Describe corrective actions.

Type of Device	# of Devices	Acres Treated in FY 14-15 by Trash Generation Category				
		Low	Moderate	High	Very High	Total
Connector Pipe Screens/Filters	263	57	153	266	23	499
LID Facilities	3	1	42	8	0	51
Total for all Types	266	58	195	274	23	550
Required by Permit						94

Maintenance Summary (Describe, in particular, any devices that have trash or debris overflowed, bypassed or are not functioning properly in any other manner. Describe corrective actions).

The City's Maintenance Division is targeting maintaining all storm drain inlets with full trash capture devices twice annually, although last year only one cleaning was generally necessary prior to the rainy season. Future scheduling would include one maintenance interval prior to the rainy season along with most of the City's other inlets, and once during the rainy season where needed. In addition, there will be periodic checks of higher volume areas to ensure additional maintenance intervals are not needed. To date there have been no noted device failures, vandalism, or flooding issues. However, we recognize that last year was again a very dry year and that this may be the first heavy rainy season for our second round of installations (completed in June 2014). Staff has encountered some minor difficulties in full cleaning of some smaller inlets where the vacuum truck collection tube cannot reach 100% of the basin floor. This requires the attending staff member to loosen any trash, leaves, or other debris with another tool in order to collect the material with the vacuum. This issue was anticipated and does not present any major issues.

For new trash capture devices to be installed on private property as part of new development or redevelopment projects, the City will require that these devices be incorporated into the project's Storm Water Treatment Measures Maintenance Agreement and maintained accordingly.

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

Provide the volume of material removed during each MRP-required Trash Hot Spot cleanup during each fiscal year, and the dominant types of trash (e.g., glass, plastics, paper) removed and their sources in FY 2014-15 to the extent possible. Also, provide additional information on creek cleanups conducted beyond those required that are used to demonstrate trash load reductions in C.10.d- Part C.

Trash Hot Spot	FY 14-15 Cleanup Date(s)	Volume of Trash Removed (cubic yards)					Dominant Type(s) of Trash in FY 2014-15	Trash Sources in FY 2014-15 (where possible)
		FY 2010-11	FY 2011-12	FY 2012-13	FY 2013-14	FY 2014-15		
Alameda County Flood Control Channel Line B – Smith Avenue	6/24/2014	1.41 cy	0.63 cy	1.2 cy	0.4 cy	0.8	95% + Paper	Paper recycling plant across street from flood control channel. The volume of removal by City staff has decreased due to on-land cleanup by adjoining property/business owner.
Alameda County Flood Control Channel Line D – between Cedar Blvd. and Cherry Street	6/24/2014	1.67 cy	0.25 cy	0.3 cy	0.1 cy	0.25	Fast food containers, food wrappers, paper, plastic; some larger items in FY 2010-11, but not since.	Newark Memorial High School is adjacent to this channel segment. Likely sources remain students, nearby restaurants and convenience stores. This location is also downstream from Fremont on Line D (Zone 5).

Additional Receiving Water Cleanups – If claimed as load reductions described in C.10.d – part C, describe the number and frequency of receiving water cleanups conducted in addition to those reported above. Include locations, cleanup dates, and the total volume of trash removed. Describe the overall plan, if any, associated with these additional cleanups if meant to change the trash condition of certain reaches of creeks or shorelines.

No additional clean-ups completed.

C.10.c ► 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.	
Description of Significant Revision	Associated TMA
Staff has secured funding in the amount of \$160,000 for the placement of additional trash capture devices. It is anticipated that approximately another 300 devices can be installed to meet the 70% trash reduction target for July 2016. This funding had not yet been identified in the Long-Term Trash Load Reduction Plan, although the placement of additional full capture devices is in the plan. It is anticipated that these devices will be installed in almost every TMA, with the exception of TMA 4. TMA 4 is still poised for new residential development that will be designed for 100% trash captures through placement of full-capture devices and low impact development designs by each project developer.	1,2,3,5,6,7,8,9,10

C.10.d ► PART A - Trash Control Measure Implementation and Assessment (Jurisdictional-wide Actions)

Provide a description of each jurisdictional-wide trash control measure implemented to-date. Identify the dominant trash source(s) and dominant type(s) of trash addressed by each control measure. For each jurisdictional-wide measure, identify the trash assessment method(s) used to demonstrate on-going reductions, summarize the results of the assessment(s), and estimate the associated reduction of trash within your jurisdictional area.

Control Measure	Summary Description of Control Measure & Dominant Trash Sources and Types	Assessment Method(s)	Summary of Assessment Results To-date	Estimated % Trash Reduced
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: http://reusablebagsac.org/ordinancetext.html	See Section C.10 of the ACCWP FY 14-15 Annual Report.	See Section C.10 of the ACCWP FY 14-15 Annual Report.	4%

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)

Complete the following trash control measure implementation and assessment summary for each primary trash management area (TMA) identified in your Long-term Plan. Include the following information:

- Identify the total jurisdictional area and the % of that area that generated very high (VH), high (H), moderate (M), or low (L) levels of trash in 2009, as depicted on trash generation maps;
- Identify the dominant trash source(s) and dominant type(s) of trash addressed or to-be addressed in the TMA;
- Provide the area currently treated by full capture devices, the quantity and type of devices installed to-date, and the % and acres of jurisdictional area in very high (VH), high (H), moderate (M), and low (L) generation categories that are currently treated by full capture devices in the TMA;
- Summarize control measures other than full capture devices implemented to-date, distinguishing between implementation that began pre- and post-MRP effective date. If not implemented in the entire TMA, describe generation category targeted and % of TMA addressed;
- Provide the acres of jurisdictional area in very high (VH), high (H), moderate (M), and low (L) generation categories in areas associated with actions other than full capture devices in the TMA;
- Describe the methods used to evaluate the effectiveness of control measures other than full capture devices, and any assessment results to-date. If the method was not implemented in the entire TMA, describe generation category targeted and % of TMA addressed.
- Provide the acres in VH, H, M or L generation categories after accounting for reduction associated with control measures other than full capture devices;
- Provide the acres in VH, H, M or L generation categories after accounting for reductions associated with ALL control measures (i.e., full capture and other actions) implemented to-date in the TMA
- Provide an estimate of the % of trash reduced in the TMA as a result of ALL control measures implemented to-date in the TMA. using the following formula:

$$\% \text{ Reduction} = 100 [(12A_{VH(2009)} + 4A_{H(2009)} + A_{M(2009)}) - (12A_{VH} + 4A_H + A_M)] / (12A_{VH2009} + 4A_{H2009} + A_{M2009})$$

where:

- $A_{VH(2009)}$ = total amount of the 2009 very high trash generation category in jurisdictional area
- $A_{H(2009)}$ = total amount of the 2009 high trash generation category in jurisdictional area
- $A_{M(2009)}$ = total amount of the 2009 moderate trash generation category in jurisdictional area
- A_{VH} = total amount of very high trash generation category in jurisdictional area in the reporting year
- A_H = total amount of high trash generation category in jurisdictional area in the reporting year
- A_M = total amount of moderate trash generation category in jurisdictional area in the reporting year
- 12 = Very High to Moderate weighing ratio
- 4 = High to Moderate weighing ratio
- 100 = fraction to percentage conversion factor

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category			
					VH	H	M	L
1	309	Pedestrian, vehicle litter	Plastic/foil wrappers, plastic bottles, polystyrene, paper, cigarettes	Baseline Generation Areas (2009)	0	90	219	1
Full Capture Devices	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices		Area Treated by Full Capture Devices	0	28	2	0
	30	This TMA has: 24 Connector Pipe Screens/Filters.						
Actions other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption			Area <u>Not</u> Treated by Full Capture Devices	0	62	217	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>			Area after Accounting for Other Actions (based on assessment results)	0	62	217	1
	Assessment Methods for Control Measures Other than Full Capture Devices							
	These additional control measures will be evaluated for effectiveness in the future. The reduction estimates provided are intended to be very conservative, pending further evaluation. No additional reductions are taken.							
	Summary of Assessment Results							
No assessments were conducted in this TMA								
Area After Taking into Account Full Capture Devices AND Other Actions					0	62	217	31
Estimated % Trash Reduction in this TMA					20%			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category			
					VH	H	M	L
2	728	Pedestrians, vehicles, some container management issues	Plastic/foil wrappers, plastic bottles, polystyrene, paper, cigarettes	Baseline Generation Areas (2009)	0	32	82	615
Full Capture Devices	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices		Area Treated by Full Capture Devices	0	6	1	0
	7	This TMA has: 4 Connector Pipe Screens/Filters.						
Actions other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption			Area Not Treated by Full Capture Devices	0	26	80	615
	<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>			Area after Accounting for Other Actions (based on assessment results)	0	26	80	615
	Assessment Methods for Control Measures Other than Full Capture Devices							
	These additional control measures will be evaluated for effectiveness in the future. The reduction estimates provided are intended to be very conservative, pending further evaluation. No additional reductions are taken.							
	Summary of Assessment Results							
No assessments were conducted in this TMA								
Area After Taking into Account Full Capture Devices AND Other Actions					0	26	80	622
Estimated % Trash Reduction in this TMA					11%			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category			
					VH	H	M	L
3	928	Pedestrians, vehicles, some container management issues, some debris from dumping	Plastic/foil wrappers, plastic bottles, polystyrene, paper, cigarettes	Baseline Generation Areas (2009)	0	30	123	775
Full Capture Devices	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices		Area Treated by Full Capture Devices	0	5	23	21
	48	This TMA has: 19 Connector Pipe Screens/Filters.						
Actions other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption			Area Not Treated by Full Capture Devices	0	26	100	754
	<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 65 gallons removed annually from TMA 3.</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 35 gallons of trash removal from TMA 3.</p>			Area after Accounting for Other Actions (based on assessment results)	0	26	100	754
	Assessment Methods for Control Measures Other than Full Capture Devices							
	These additional control measures will be evaluated for effectiveness in the future. The reduction estimates provided are intended to be very conservative, pending further evaluation. No additional reductions are taken.							
	Summary of Assessment Results							
No assessments were conducted in this TMA								
Area After Taking into Account Full Capture Devices AND Other Actions					0	26	100	802
Estimated % Trash Reduction in this TMA					17%			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category			
					VH	H	M	L
4	411	Primarily vehicle litter, debris from dumping	Plastic/foil wrappers, plastic bottles, polystyrene, paper, cigarettes	Baseline Generation Areas (2009)	0	0	178	233
Full Capture Devices	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices		Area Treated by Full Capture Devices	0	0	0	0
	0	This TMA has: 1 Connector Pipe Screen/Filter.						
Actions other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption			Area Not Treated by Full Capture Devices	0	0	178	233
	<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>			Area after Accounting for Other Actions (based on assessment results)	0	0	178	233
	Assessment Methods for Control Measures Other than Full Capture Devices							
	These additional control measures will be evaluated for effectiveness in the future. The reduction estimates provided are intended to be very conservative, pending further evaluation. No additional reductions are taken.							
	Summary of Assessment Results							
No assessments were conducted in this TMA								
Area After Taking into Account Full Capture Devices AND Other Actions					0	0	178	233
Estimated % Trash Reduction in this TMA					0%			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category			
					VH	H	M	L
5	246	Pedestrians, vehicles, container management issues, debris from dumping	Plastic/foil wrappers, plastic bottles, polystyrene, paper, cigarettes	Baseline Generation Areas (2009)	0	112	66	69
Full Capture Devices	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices		Area Treated by Full Capture Devices	0	108	49	17
	174	This TMA has: 93 Connector Pipe Screens/Filters.						
Actions other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption			Area <u>Not</u> Treated by Full Capture Devices	0	5	16	52
	<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>			Area after Accounting for Other Actions (based on assessment results)	0	5	16	52
	Assessment Methods for Control Measures Other than Full Capture Devices							
	These additional control measures will be evaluated for effectiveness in the future. The reduction estimates provided are intended to be very conservative, pending further evaluation. No additional reductions are taken.							
	Summary of Assessment Results							
No assessments were conducted in this TMA								
Area After Taking into Account Full Capture Devices AND Other Actions					0	5	16	226
Estimated % Trash Reduction in this TMA					93%			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category			
					VH	H	M	L
6	356	Pedestrians, vehicles, some container management issues	Plastic/foil wrappers, plastic bottles, polystyrene, paper, cigarettes	Baseline Generation Areas (2009)	5	64	196	92
Full Capture Devices	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices		Area Treated by Full Capture Devices	5	23	21	4
	52	This TMA has: 29 Connector Pipe Screens/Filters.						
Actions other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption			Area <u>Not</u> Treated by Full Capture Devices	0	41	175	87
	<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 143 gallons removed annually from TMA 6.</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 6.</p>			Area after Accounting for Other Actions (based on assessment results)	0	41	175	87
	Assessment Methods for Control Measures Other than Full Capture Devices							
	These additional control measures will be evaluated for effectiveness in the future. The reduction estimates provided are intended to be very conservative, pending further evaluation. No additional reductions are taken.							
	Summary of Assessment Results							
No assessments were conducted in this TMA								
Area After Taking into Account Full Capture Devices AND Other Actions					0	41	175	140
Estimated % Trash Reduction in this TMA					33%			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category			
					VH	H	M	L
7	667	Pedestrians, vehicles, some container management issues, point source paper recycler	Loose paper, plastic/foil wrappers, plastic bottles, polystyrene, paper, cigarettes	Baseline Generation Areas (2009)	20	24	571	52
Full Capture Devices	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices		Area Treated by Full Capture Devices	18	5	54	2
	80	This TMA has: 6 Connector Pipe Screens/Filters; 1 LID Facility.						
Actions other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption			Area Not Treated by Full Capture Devices	2	19	517	50
	<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>			Area after Accounting for Other Actions (based on assessment results)	2	19	517	50
	Assessment Methods for Control Measures Other than Full Capture Devices							
	These additional control measures will be evaluated for effectiveness in the future. The reduction estimates provided are intended to be very conservative, pending further evaluation. No additional reductions are taken.							
	Summary of Assessment Results							
No assessments were conducted in this TMA								
Area After Taking into Account Full Capture Devices AND Other Actions					2	19	517	130
Estimated % Trash Reduction in this TMA					32%			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category			
					VH	H	M	L
8	431	Pedestrians, vehicles, some container management issues	Plastic/foil wrappers, plastic bottles, polystyrene, paper, cigarettes	Baseline Generation Areas (2009)	0	23	62	346
Full Capture Devices	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices		Area Treated by Full Capture Devices	0	9	12	3
	12	This TMA has: 11 Connector Pipe Screens/Filters and 1 LID facility.						
Actions other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption			Area <u>Not</u> Treated by Full Capture Devices	0	14	62	344
	<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>			Area after Accounting for Other Actions (based on assessment results)	0	14	62	344
	Assessment Methods for Control Measures Other than Full Capture Devices							
	These additional control measures will be evaluated for effectiveness in the future. The reduction estimates provided are intended to be very conservative, pending further evaluation. No additional reductions are taken.							
	Summary of Assessment Results							
No assessments were conducted in this TMA								
Area After Taking into Account Full Capture Devices AND Other Actions					0	14	62	355
Estimated % Trash Reduction in this TMA					31%			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category			
					VH	H	M	L
9	285	Pedestrians, vehicles, some container management issues	Plastic/foil wrappers, plastic bottles, polystyrene, paper, cigarettes	Baseline Generation Areas (2009)	0	181	84	20
Full Capture Devices	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices		Area Treated by Full Capture Devices	0	76	26	6
	107	This TMA has: 57 Connector Pipe Screens/Filters.						
Actions other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption			Area Not Treated by Full Capture Devices	0	106	58	14
	<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>			Area after Accounting for Other Actions (based on assessment results)	0	106	58	14
	Assessment Methods for Control Measures Other than Full Capture Devices							
	These additional control measures will be evaluated for effectiveness in the future. The reduction estimates provided are intended to be very conservative, pending further evaluation. No additional reductions are taken.							
	Summary of Assessment Results							
No assessments were conducted in this TMA								
Area After Taking into Account Full Capture Devices AND Other Actions					0	106	58	97
Estimated % Trash Reduction in this TMA					40%			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category			
					VH	H	M	L
10	1,029	Pedestrians, vehicles, some container management issues	Plastic/foil wrappers, plastic bottles, polystyrene, paper, cigarettes	Baseline Generation Areas (2009)	0	76	237	716
Full Capture Devices	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices		Area Treated by Full Capture Devices	0	17	6	4
	27	This TMA has: 20 Connector Pipe Screens/Filters.						
Actions other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption			Area Not Treated by Full Capture Devices	0	60	231	711
	<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>			Area after Accounting for Other Actions (based on assessment results)	0	60	231	711
	Assessment Methods for Control Measures Other than Full Capture Devices							
	These additional control measures will be evaluated for effectiveness in the future. The reduction estimates provided are intended to be very conservative, pending further evaluation. No additional reductions are taken.							
	Summary of Assessment Results							
No assessments were conducted in this TMA								
Area After Taking into Account Full Capture Devices AND Other Actions					0	60	231	738
Estimated % Trash Reduction in this TMA					13%			

C.10.d ► PART C – Estimated Overall Trash Load Reduction	
<p>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.d – Parts A and B and receiving water cleanups not reported in C.10.b.iii.</p>	
<p>Discussion of Trash Reduction Estimate (including Receiving Water Cleanups): As of June 30, 2015, it is estimated that the City of Newark’s overall trash reduction is 38%. This was achieved primarily due to the installation of 266 trash full capture devices (including LID facilities) over 550 acres which accounted for approximately 34% 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.</p> <p>The other control measures that were previously identified include Street Sweeping modifications (2%) and On-Land Trash Clean-Ups (3%). The City is not claiming these reductions this year, although we believe they exist. Efforts will be made in the future to complete assessments to justify these additional reductions.</p> <p>Newark staff has a high degree of confidence in the trash full capture device estimated reductions with reliance upon the consultants performing analysis on behalf of the Clean Water Program and individual agencies.</p> <p>The estimated reduction from the plastic bag ban is based on the Alameda Countywide Storm Drain Trash Monitoring and Characterization Project. Refer to Section C.10 of the Alameda Countywide Clean Water Program FY13-14 Annual Report for additional information.</p> <p>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 to on-land cleanups based on the additional manpower and contractual maintenance work. Future support data will include visual assessments and volume counts for actual trash removal.</p>	
Estimated % Trash Reduction due to Jurisdictional-wide Actions (as Reported in C.10.d – Part A)	4%
Estimated % Trash Reduction in All TMAs due to Trash Full Capture Devices (as Reported in C.10.d. – Part B)	34%
Estimated % Trash Reduction in all TMAs due to Control Measures Other than Trash Full Capture Devices in All TMAs) (as Reported in C.10.d. – Part B)	1%
SubTotal for Above Actions	38%
Estimated % Trash Reduction due to Receiving Water Cleanups (All TMAs)	0%
Total Estimated % Trash Reduction FY 14-15	38%

Section 11 - Provision C.11 Mercury Controls

C.11.a.i ► Mercury Recycling Efforts

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

See Section C.11 of the ACCWP FY 14-15 Annual Report for a summary of countywide recycling efforts.

The City of Newark contracts with Republic Services of Alameda County for its residential and commercial solid waste and recycling services. Republic provides newsletters and a website for customers with links to Stopwaste.org for the proper disposal of items containing mercury. The City's website also provides links to Stopwaste.org for Household Hazardous Waste Disposal.

The City does not have a specific role in the collection of devices and equipment containing mercury at the consumer level. The nearest recycling facility for household hazardous waste is located at 41149 Boyce Road in Fremont, just south of the Newark City limits.

C.11.a.ii ► Mercury Collection

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

Please refer to the FY 14-15 Countywide Program Annual Report for an estimate of the mass of mercury collected through collection and recycling efforts in the Countywide Program area.

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

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

Summary

A summary of countywide Program and regional accomplishments for these sub-provisions are included within the C.11 Mercury Controls section of Program's FY 14-15 Annual Report, Integrated Monitoring Report.

Section 12 - Provision C.12 PCBs Controls

C.12.a.ii,iii ▶ Ongoing Training

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

Description:

See the FY 14-15 Program Annual Report for a description of training conducted by the Program.

The City had four (4) employees attend the Stormwater Business Inspectors Workshop - Honing Your Inspection Skills on June 3, 2015. This workshop included a segment on recognition of PCB's and PCB-containing equipment. Although no PCB material was noted during any inspections, staff will continue to evaluate sites for potential PCBs and/or PCB-containing equipment. In the event PCB material of any kind is discovered or suspected, staff will document the findings and make a referral to the appropriate regulatory agencies.

- C.12.b ▶ Conduct Pilot Projects to Evaluate Managing PCB-Containing Materials and Wastes during Building Demolition and Renovation Activities**
- C.12.c ▶ Pilot Projects to Investigate and Abate On-land Locations with Elevated PCB Concentrations**
- C.12.d ▶ Conduct Pilot Projects to Evaluate and Enhance Municipal Sediment Removal and Management Practices**
- C.12.e ▶ Conduct Pilot Projects to Evaluate On-Site Stormwater Treatment via Retrofit**
- C.12.f ▶ Diversion of Dry Weather and First Flush Flows to POTWs**
- C.12.g ▶ Monitor Stormwater PCB Pollutant Loads and Loads Reduced**
- C.12.h ▶ Fate and Transport Study of PCBs In Urban Runoff**
- C.12.i ▶ Development of a Risk Reduction Program Implemented Throughout the Region**

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

Summary:

A summary of countywide Program and regional accomplishments for these sub-provisions are included within the C.12 PCB Controls section of

Program's FY 14-15 Annual Report, Integrated Monitoring Report.

Section 13 - Provision C.13 Copper Controls

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

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

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

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. 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. Since implementation of this program, no architectural copper has been proposed on a project.

C.13.c ▶ Vehicle Brake Pads

The Permittees shall engage in efforts to reduce the copper discharged from automobile brake pads to surface waters via urban runoff.

Summary

See the FY 14-15 Program Annual Report for a description of activities conducted by the Program and BASMAA.

C.13.d.iii ▶ Industrial Sources Copper Reduction Results

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

Summary

There were no identified sources of copper identified with facilities inspections.

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

The Permittees shall conduct or cause to be conducted technical studies to investigate possible copper sediment toxicity and technical studies to investigate sub-lethal effects on salmonids.

Summary

See the FY 14-15 Program Annual Report for a description of activities conducted by the Program and BASMAA.

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

Note: There are no reporting requirements in the FY 14-15 Annual Report for Section C.14.

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

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

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

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

<p>Provide implementation summaries of the required BMPs to promote measures that minimize runoff and pollutant loading from excess irrigation. Generally the categories are:</p> <ul style="list-style-type: none"> • 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.
<p>Summary:</p> <p>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.7Public Information and Outreach of this report as well as the Program’s FY 14-15 Annual Report. The City does not use highly toxic pesticides as identified in Section C.9 of this report.</p> <p>The City’s website also has a page dedicated to the current drought 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. Also see C.3 New Development and Redevelopment of this report and the Program’s FR 14-15 Annual Report.</p>

Public Works staff is constantly monitoring the City's large-volume landscaping to ensure runoff is minimized. With the 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
PUBLIC WORKS**

**NOTICE TO CONTRACTORS
SPECIFICATIONS
PROPOSAL AND CONTRACT**

FOR

**PARK AND LANDSCAPE MAINTENANCE SERVICES
PROJECT 1007A**

Bid Opening 2:00 P.M. on Tuesday, November 20, 2012

*For use in conjunction with the State of California,
Department of Transportation Standard Specifications and Standard Details dated May 2006;
Equipment Rental Rates and Labor Surcharge Rates*

Peggy A Claassen, P.E. 34477



**37101 Newark Boulevard, Newark, California 94560
510/578-4811**

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rechargeable batteries, or approved equal when possible. A minimum purchase of sixty (60) 6-volt lantern and two (2) 9-volt replacement batteries shall be included as a part of the monthly contract unit price for the areas where battery-operated irrigation controllers are located. All batteries shall be properly disposed of or recycled accordingly. Battery operated clocks are located through L&L District 11 (Edgewater Drive and Parkshore Drive).

All damages determined by the Engineer to result from under watering of plants due to insufficient battery life in these areas shall be repaired at the Contractor's expense.

The Contractor shall pay for all excessive utility usage due to failure to repair malfunctions on a timely basis or unauthorized increases in the frequency of irrigation. Costs will be determined from comparisons of usage with historical usage for the same time period. Prior to actual deductions, the Engineer will send the proposed costs to be deducted from payments to the Contractor for review.

COMPENSATION

Full compensation for IRRIGATION SYSTEM REPAIRS; including replacement batteries, will be considered as included in each monthly contract unit price. Major irrigation repairs shall be invoiced as per the unit price schedule on page 78 of these specifications and no additional payment will be made.

10-1.05 INTEGRATED PEST MANAGEMENT (IPM) FOR INSECT AND DISEASE CONTROL

The Contractor shall follow the City's Integrated Pest Management (IPM) policy and utilize generally accepted Best Management Practices (Section 10-1.08) to the maximum extent practicable for the control or management of insects and disease in and around City buildings and facilities, parks and urban landscape areas, rights-of-way, and other City properties. The Contractor shall use the most current IPM technologies available to ensure the long-term prevention or suppression of insects and disease problems and to minimize negative impacts on the environment, non-target organisms, and human health.

The Contractor shall consider the options or alternatives (IPM hierarchy) listed below in the following order, before recommending the use of or applying any pesticide on City property:

1. No controls (e.g., tolerating the pest infestation)
2. Physical or mechanical controls (e.g., hand labor)
3. Cultural controls (removal of pest attractants)
4. Biological controls (e.g., natural enemies or predators)
5. Reduced-risk chemical controls (e.g., soaps or oils)
6. Other chemical controls

All landscaped areas shall be maintained free of harmful pests and disease including, but not limited to snails, sow bugs, aphids, scale, caterpillars, fungi and algae that could cause damage to plants, irrigation systems, facilities or cause erosion. The Contractor shall, within 48 hours of notification by the Engineer of an insect and/or disease problem, provide a recommendation to the Engineer for the appropriate insect and disease control measures to address the problem. The option(s) selected from the above IPM hierarchy for insect and disease control shall be approved by the Engineer prior to the start of any such activities.

The Contractor shall only utilize personnel who are authorized and trained in pesticide application and familiar with IPM and standard Best Management Practices. Such personnel shall hold Qualified Applicator License (QAL), Qualified Applicator Certificate (QAC), or Structural Branch Operator I, II, or III certifications/licenses to apply pesticides to or within City property

The Contractor's personnel who are trained to recommend or apply pesticides shall not use or promote the use of the following pesticides of concern unless specifically approved in advance by the Engineer:

1. Acute Toxicity Category I chemicals as identified by the Environmental Protection Agency (EPA);
2. Organophosphate pesticides (e.g., those containing diazinon, chlorpyrifos, and malathion);
3. Pyrethroids (bifenthrin, cyfluthrin, beta-cyfluthrin, cypermethrin, deltamethrin, esfenvalerate, lambda-cyhalothrin, permethrin, and tralomethrin);
4. Carbamates (e.g. carbaryl);
5. Fipronil; and
6. Copper-based pesticides unless:
 - a. Their use is judicious,
 - b. Other approaches and techniques have been considered, and;
 - c. Adverse water-quality impacts are minimized to the maximum extent practicable.

The Contractor shall always avoid applications of pesticides that directly contact water, unless the pesticide is registered under Federal and California law for aquatic use. Pesticides that are not approved for aquatic use shall not be applied to areas immediately adjacent to water bodies where through drift, drainage, or erosion, there is a reasonable possibility of a pesticide being transported into surface water.

Any reports due to the California Department of Pesticide Regulation or Alameda County Department of Agriculture shall be completed and submitted by the Contractor, with copies sent to the Engineer. **In addition the Contractor shall provide the Engineer with monthly reports of any pesticides used in the City of Newark. The reports shall include the name of the chemical, EPA registration number, amount used and location used.**

COMPENSATION

Full compensation for INSECT AND DISEASE CONTROL in accordance with the City's Integrated Pest Management policy and applicable Best Management Practices will be considered as included in each monthly contract unit price and no additional payment will be made.

10-1.06 INTEGRATED PEST MANAGEMENT (IPM) FOR WEED CONTROL

The Contractor shall follow the City's Integrated Pest Management (IPM) policy and utilize generally accepted Best Management Practices (Section 10-1.08) to the maximum extent practicable for the control or management of weeds in and around City buildings and facilities, parks and urban landscape areas, rights-of-way, and other City properties. The Contractor shall use the most current IPM technologies available to ensure the long-term prevention or suppression of weed problems and to minimize negative impacts on the environment, non-target organisms, and human health.

The Contractor shall consider the options or alternatives (IPM hierarchy) listed below in the following order, before recommending the use of or applying any pesticide (including any herbicide) on City property:

1. No controls (e.g., tolerating the weed infestation, allowing the normal life cycle of weeds)
2. Physical or mechanical controls (e.g., hand labor, mowing)
3. Cultural controls (e.g., mulching, disking, alternative vegetation),
4. Biological controls (e.g., alternative plant material)
5. Reduced-risk chemical controls
6. Other chemical controls

The Contractor shall only utilize personnel who are authorized and trained in pesticide application and familiar with IPM and standard Best Management Practices. Such personnel shall hold Qualified Applicator License (QAL), Qualified Applicator Certificate (QAC), or Structural Branch Operator I, II, or III certifications/licenses) to apply pesticides to or within City property

The Contractor's personnel who are trained to recommend or apply pesticides shall not use or promote the use of:

1. Acute Toxicity Category I chemicals as identified by the Environmental Protection Agency (EPA);
2. Copper-based pesticides unless:
 - a. Their use is judicious,

- b. Other approaches and techniques have been considered, and;
- c. Adverse water-quality impacts are minimized to the maximum extent practicable.

The Contractor shall always avoid applications of pesticides that directly contact water, unless the pesticide is registered under Federal and California law for aquatic use. Pesticides that are not approved for aquatic use shall not be applied to areas immediately adjacent to water bodies where through drift, drainage, or erosion, there is a reasonable possibility of a pesticide being transported into surface water.

At the direction of the Engineer following a joint review by the Engineer and Contractor of field conditions and the IPM hierarchy specified herein, a broad-spectrum pre-emergent weed control such as Snapshot® or an approved equal shall be applied twice each year, once in May and once in November, to landscaped areas. The Contractor shall notify the Engineer prior to the application of any pre-emergent herbicide to any area. The Contractor shall apply a post emergent herbicide to all weed growth that is equal to or taller than 1-inch in height. All weeds that reach maturity (flowering) and/or propagate seeds in a maintenance area will be considered as failed services and in violation, and compensation may be withheld in accordance with the section entitled Failed Services herein.

At the direction of the Engineer following a joint review by the Engineer and Contractor of field conditions and the IPM hierarchy specified herein, the Contractor shall apply to all turf areas, once in April and once in September, a supplemental broadleaf herbicide treatment, such as Turflon, or an approved equal. The Contractor shall immediately remove the persistent *Bellis perennis*, or English Daisy randomly growing in any turf area by mechanical means, or if approved by the Engineer, by spot spraying a post emergent herbicide

Any reports due to the California Department of Pesticide Regulation or Alameda County Department of Agriculture shall be completed and submitted by the Contractor, with copies sent to the Engineer. **In addition the Contractor shall provide the Engineer with monthly reports of any pesticides used in the City of Newark. The reports shall include the name of the chemical, EPA registration number, amount used and location used.**

COMPENSATION

Full compensation for WEED CONTROL in accordance with the City's Integrated Pest Management policy and applicable Best Management Practices will be considered as included in each monthly contract unit price and no additional payment will be made.

10-1.07 INTEGRATED PEST MANAGEMENT (IPM) FOR RODENT CONTROL

The Contractor shall follow the City's Integrated Pest Management (IPM) policy and utilize generally accepted Best Management Practices (Section 10-1.08) to the maximum extent

practicable for the control or management of rodents in and around City buildings and facilities, parks and urban landscape areas, rights-of-way, and other City properties. The Contractor shall use the most current IPM technologies available to ensure the long-term prevention or suppression of rodent problems and to minimize negative impacts on the environment, non-target organisms, and human health.

The Contractor shall consider the options or alternatives (IPM hierarchy) listed below in the following order, before recommending the use of or applying any pesticide (including any rodenticide) on City property:

1. No controls (e.g., tolerating the rodent infestation)
2. Physical or mechanical controls (e.g., traps or other physical or mechanical capture devices)
3. Cultural controls (e.g., removal of material attracting rodents, good housekeeping practices),
4. Biological controls (e.g., modification or removal of habitat)
5. Reduced-risk chemical controls
6. Other chemical controls

The Contractor shall only utilize personnel who are authorized and trained in pesticide application and familiar with IPM and standard Best Management Practices. Such personnel shall hold Qualified Applicator License (QAL), Qualified Applicator Certificate (QAC), or Structural Branch Operator I, II, or III certifications/licenses) to apply pesticides to or within City property

All landscaped areas shall be maintained free of rodents such as gophers and ground squirrels. Non-restricted chemicals shall be used whenever possible to perform pest control for the eradication of rodents. At the direction of the Engineer following a joint review by the Engineer and Contractor of field conditions and the IPM hierarchy specified herein, the Contractor shall perform rodent control for the eradication of rodents such as gophers and ground squirrels. Any and all methods employed to perform rodent control shall conform to all Federal, State and County environmental regulations. The Contractor shall immediately schedule rodent control services upon notification by the Engineer of a rodent infestation. In addition to the IPM hierarchy and Best Management Practices (Section 10-1.08) identified herein, rodent control shall be performed in accordance with the following criteria:

- All rodents to be controlled shall be identified; and their feeding habits shall be determined prior to treatment of the area.
- All mounds shall be raked level a minimum of 24 hours prior to treatment to determine which burrows are active. The treated mounds shall be raked smooth not later than 24 hours after treatment to confirm effectiveness.
- The soil shall be checked in the area to be treated to insure proper soil moisture exists prior to treatment with any treated baits.

- All treated bait, traps, and gases used to control rodents shall be placed in the tunnel. Traps shall be covered with soil once inserted into tunnel to prevent vandalism and to ensure public safety.
- Any and all spilled bait shall be disposed of in accordance with Title 3, Division 6 of the State of California Department of Food and Agriculture regulations.
- All bait containers and/or applicators shall be of the type that will minimize spills.
- All treated areas shall be inspected after treatment for dying animals. The Contractor shall remove all dying animals and/or carcasses and dispose of them off-site prior to the end of each work day until the area no longer requires further treatment.

Any reports due to the California Department of Pesticide Regulation or Alameda County Department of Agriculture shall be completed and submitted by the Contractor, with copies sent to the Engineer. **In addition the Contractor shall provide the Engineer with monthly reports of any pesticides used in the City of Newark. The reports shall include the name of the chemical, EPA registration number, amount used and location used.**

If the treatment has not been applied within 2 working days after notification by the City, the Contractor may be considered as noncompliant with the Contract and in violation of the section entitled Failed Services as cited herein.

COMPENSATION

Full compensation for RODENT CONTROL in accordance with the City's Integrated Pest Management policy and applicable Best Management Practices will be considered as included in each monthly contract unit price and no additional payment will be made.

10-1.08 BEST MANAGEMENT PRACTICES

The Contractor shall implement all Best Management Practices and control measures described herein, or as further directed by the Engineer, for compliance with the Municipal Regional Stormwater NPDES Permit (MRP) issued to the City of Newark by the Regional Water Quality Control Board – San Francisco Bay, Order R2-2009-0074, NPDES Permit No. CAS612008, Adopted October 14, 2009, Revised November 28, 2011, and any subsequent revisions thereto.

The Contractor shall have assigned to the project at least one employee who has successfully completed the Pollution Prevention Training & Certification Program For Surface Cleaners issued by the Bay Area Storm Water Management Agencies Association (BASMAA). www.basmaa.org

The Contractor shall complete all insect and disease control, weed control, and rodent control activities in accordance with the City's Integrated Pest Management policy (IPM), including the following Best Management Practices (BMPs) to protect water quality during the use of pesticides, when it is determined through the IPM process that pesticides must be used:

1. Follow all federal, state, and local laws and regulations governing the use, storage, and disposal of pesticides.
2. Use the least toxic pesticides that will do the job, provided there is a choice.
3. Apply pesticides at the appropriate time to maximize their effectiveness and minimize the likelihood of discharging pesticides in storm water runoff. Avoid application of pesticides if rain is expected (this does not apply to the use of pre-emergent herbicide applications when required by the label for optimal results.)
4. Employ techniques to minimize off-target application (i.e. spray drift) of pesticides, including consideration of alternative application techniques. For example, when spraying is required, increase drop size, lower application pressure, use surfactants and adjuvants, use wick application, etc.
5. Apply pesticides only when wind speeds are low.
6. Mix and apply only as much material as is necessary for treatment. Calibrate application equipment prior to and during use to ensure desired application rate.
7. Do not mix or load pesticides in application equipment adjacent to a storm drain inlet, culvert, or watercourse.
8. Irrigate slowly to prevent runoff, and do not over-water

Pest and disease control shall further be performed in accordance with the Standard Specifications, Section 7-1.01H, "Use of Pesticides", and Section 20-4.026 "Pesticides", except that the use of granular or pellet forms of pesticide for weed control are acceptable; and the following requirements:

- All pests and diseases to be treated shall be identified and life stage determined prior to treatment.
- All areas, which may be adversely affected by chemical treatment operation, shall be identified (i.e., waterways and eating areas and agricultural production areas) and all precautionary measures necessary shall be taken to prevent contamination of these areas.
- All pesticides shall be applied in accordance with the label recommendations and shall be applied to infested areas only.
- All spilled pesticides and empty pesticide containers shall be disposed of in accordance with Title 3, Division 6 of the State of California Food and Agriculture regulations.

All restricted chemicals to be used to control insects, diseases, weeds, and rodents shall be approved by the Alameda County Department of Agriculture prior to use. A written recommendation of the proposed restricted chemicals to be used, prepared by a licensed California State Pest Control Advisor, accompanied by a Notice of Intent to Apply Restricted/Non-Restricted Materials form prepared by the Contractor shall be provided to the Engineer. The Contractor shall notify the Alameda County Department of Agriculture a minimum of 24 hours prior to intended use. No services shall begin until the Engineer's acknowledges receipt of a copy of the Notice of Intent to Apply Restricted/Non-Restricted Materials form.

Chemicals shall only be applied by properly outfitted personnel, including the appropriate safety measures, under the direct supervision of person(s) possessing a valid Qualified Applicator's License (QAL) or Qualified Applicator's Certificate (QAC) in the appropriate category. Application shall be in accordance with all governing regulations. Records of all written recommendations and operations stating dates, times, methods of application, approved Notice of Intent to Apply Restricted/Non-Restricted Materials, applicator's names and weather conditions at the time of application shall be made and retained in an active file for a minimum of one year.

All damage resulting from the Contractor's chemical application operations shall be repaired or replaced at Contractor's expense within 20 calendar days.

10-1.09 FERTILIZATION

All landscaped areas that contain shrubs, trees, and groundcover shall be fertilized with a balanced fertilizer that contains trace elements, including chelated iron, twice per year: April and September. All turf areas shall be fertilized four times per year, in March, May, July, and September. During drought years fertilization of turf areas will be reduced to twice per year: May and September to reduce the need for summer watering. A complete balanced granular-type fertilizer containing as a minimum one pound of Nitrogen per 1,000 square feet, and containing not less than 18% sulfur, 1.5% iron and 0.1% zinc shall be used. All proposed changes in formulation shall be submitted to the Engineer for approval prior to use.

Applications of the fertilizer shall be done in sections, determined by the areas covered by each irrigation system. All areas fertilized shall be thoroughly watered immediately after the fertilizer is broadcast. Fertilizing by means of liquid fertilizer in conjunction with irrigation injections will not be permitted.

The Contractor shall notify the Engineer two (2) working days in advance of any/all fertilizer applications. The City will provide inspection of the fertilizer application methods and amounts. The Contractor shall provide documentation showing the quantities of fertilizer applied as required herein. If the Contractor does not notify the Engineer in accordance with the

requirements to provide documentation, the Contractor will be considered as noncompliant with the Contract and in violation of the section entitled Failed Services as cited herein.

COMPENSATION

Full compensation for FERTILIZATION will be considered as included in each monthly contract unit price and no additional payment will be made.

10-1.10 MULCH

All landscape area shall have a layer of mulch to reduce weed growth and water use. Mulch shall be replaced as needed and in accordance with the Standard Specifications, Section 20-2.08 "Mulch". Contractor shall maintain a minimum of 2 inches of coarse organic mulch at all times over soil surface that is not covered by vegetation. Mulch shall be applied so that it is below grade (curb, edging, etc.) by half an inch. Some additional grading preparation and grading of areas adjacent to sidewalks or edging, etc. may be required to keep the finished grade of the mulch at an appropriate level. Mulch materials shall be chipped or shredded green waste, wood chips from pruning operations, or chipped landscape clippings. When available, use materials generated on-site. Shredded redwood bark mulch ("Gorilla hair") shall not be acceptable. Non porous material (e.g. plastic weed barriers) shall not be placed under the mulch.

To conserve nutrients on-site and protect the soil surface, Contractor shall retain natural leaf drop under trees or in shrub beds. Select only tree and shrub beds that will not allow leaf litter or mulch to wash out into storm drains. Where leaf litter detracts from landscape appearance due to large leaf size, it is preferable that leaves be chopped and returned to landscape beds. Remove diseased leaves that would provide inoculums for plant infection.

COMPENSATION

Full compensation for MULCH will be considered as included in each monthly contract unit price and no additional payment will be made.

10-1.11 TREE MAINTENANCE

All trees located in Landscape and Lighting District Nos. 4, 6, and 11, are **excluded** from Base Bid, and will be maintained by the City.

All trees that are within the scope of this project will be maintained as follows:

- All trees shall be treated for pests on an as needed basis. Non-restricted chemicals shall be used whenever possible to perform pest and disease control when spraying trees.