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Zone 7 Water Agency

# CITY OF NEWARK FISCAL YEAR 2013- 2014 ANNUAL REPORT OF STORMWATER PROGRAM IMPLEMENTATION

Submitted to:  
California Regional Water Quality Control  
Board, San Francisco Bay Region  
September 15, 2014



**CITY OF NEWARK, CALIFORNIA**

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

September 15, 2014

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 2013-2014 ANNUAL REPORT

Dear Mr. Wolfe:

Enclosed is the City of Newark's Fiscal Year 2012-2013 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](mailto:soren.fajeau@newark.org).

Sincerely,

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

Enclosure

ATTACHMENT B

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Section 1 – Permittee Information

Background Information			
Permittee Name:	City Of Newark		
Population:	43,342		
NPDES Permit No.:	CAS612008		
Order Number:	R2-2009-0074R		
Reporting Time Period (month/year):	July 2013 through June 2014		
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 13-14 Annual Report for a summary of Program activities.

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 attended both training events during the FY 13/14 reporting period and three additional Maintenance Division staff members attended the Road Maintenance Best Management Practices Workshop held on October 29, 2013. All staff members found the workshop useful. The Trash Capture Device Field Trip held on April 30, 2014 was also helpful to staff in preparation for a project to install a second round of full trash capture devices. See Section C.2 Municipal Operations of the Alameda Countywide Clean Water Program's (Countywide Program) FY 13/14 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 80% 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 and will be completed twice annually. See Section C.10 for additional information.

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

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

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

Comments:

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.

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

Comments:

Street sweeping is the primary activity undertaken by the City 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.

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

Comments:

There is one bridge (or structure) in Newark (the Channel Drive bridge), and it rarely requires maintenance. No maintenance was conducted on this bridge during the 2013-14 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 <b>No</b> then skip to C.2.e.						
Complete the following table for dry weather DO monitoring and inspection data for pump stations <sup>1</sup> (add more rows for additional pump stations). If a pump station is exempt from DO monitoring, explain why it is exempt.						
Pump Station Name and Location	First inspection Dry Weather DO Data		Second inspection Dry Weather DO Data			
	Date	mg/L	Date	mg/L		
Crystal Springs Pump Station, Crystal Springs Drive	8/20/2013	5.8	6/18/2014	6.2		
Summarize corrective actions as needed for DO monitoring at or below 3 mg/L. Attach inspection records of additional DO monitoring for corrective actions:						
Summary: The DO levels during the dry season have been consistently at or above 6.0 mg/L and therefore no corrective actions have been taken during the dry season. The minor level of trash accumulated in the stormwater pump station was removed.						
Attachments: No attachments have been included because corrective actions have not been necessary.						
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	9/23/2013	Less than 1 CY	No	No	No	No
Crystal Springs Pump Station, Crystal Springs Drive	3/30/2014	Less than 1 CY	No	No	No	No

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

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

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

<b>C.2.f. ► Corporation Yard BMP Implementation</b>			
Place an <b>X</b> in the boxes below that apply to your corporations yard(s):			
<input type="checkbox"/>	We do not have a corporation yard		
<input type="checkbox"/>	Our corporation yard is a filed NOI facility and regulated by the California State Industrial Stormwater NPDES General Permit		
<input checked="" type="checkbox"/>	We have a <b>Stormwater Pollution Prevention Plan (SWPPP)</b> for the Corporation Yard(s)		
Place an <b>X</b> in the boxes below next to implemented SWPPP BMPs to indicate that these BMPs were implemented in applicable instances. If not applicable, type <b>NA</b> in the box. If one or more of the BMPs were not adequately implemented during the reporting fiscal year then indicate so and explain in the comments section below:			
<input checked="" type="checkbox"/>	Control of pollutant discharges to storm drains such as wash waters from cleaning vehicles and equipment		
<input checked="" type="checkbox"/>	Routine inspection prior to the rainy seasons of corporation yard(s) to ensure non-stormwater discharges have not entered the storm drain system		
<input checked="" type="checkbox"/>	Containment of all vehicle and equipment wash areas through plumbing to sanitary or another collection method		
<input checked="" type="checkbox"/>	Use of dry cleanup methods when cleaning debris and spills from corporation yard(s) or collection of all wash water and disposing of wash water to sanitary or other location where it does not impact surface or groundwater when wet cleanup methods are used		
<input checked="" type="checkbox"/>	Cover and/or berm outdoor storage areas containing waste pollutants		
Comments: The City's corporation yard is cleaned of any loose debris on a daily basis and a weekly inspection is performed by Maintenance Division staff to ensure BMP implementation.			
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.

Summary:  
 The C.3 New Development and Redevelopment section of the Countywide program’s FY 13-14 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 2013-14 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.**

<i>(For FY 11-12 Annual Report and each Annual Report thereafter)</i> 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
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Comments: The City is choosing to require 100% LID treatment for all Regulated Projects.

Permittee Name: City of Newark

**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, 2014 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
If you answered "Yes" to either question, 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.
Summary: In comparison to the findings from the previous year, landscape (mainly grass) conditions during this year's reporting period on average has declined. The reason for the decline is mainly due to the water shortage emergency declared by the Alameda County Water District which resulted in mandatory water-use restrictions. Sites throughout Newark are required to water once a week, even during dry, hot periods. Even though landscaping within biotreatment measures are "drought tolerant," the high temperatures and dry conditions have resulted in unhealthy grass. Staff will continue to closely monitor sites that have unhealthy grass. With water restrictions, Staff anticipates a continued decline in the health of landscaping within treatment areas. Staff hopes that upcoming rain between the months of October and April will revive landscaping within treatment areas. The common issues related to vault based treatment systems have not changed from previous years. All vault based systems are maintained yearly regardless of the amount of sediment, trash and floatables present in each vault based system. The most common items found in vault based systems are floatable trash. It is very important to ensure that the internal components to the vault systems are inspected and maintained with the removal of floatables and murky water.
(3) On an annual basis, provide a discussion of the effectiveness of the O&M Program and any proposed changes to improve the O&M Program (e.g., changes in prioritization plan or frequency of O&M inspections, other changes to improve effectiveness program).
Summary: 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.
(4) During the reporting year, did your agency:

**FY 2013-2014 Annual Report**

**C.3 – New Development and Redevelopment**

**Permittee Name: City of Newark**

<ul style="list-style-type: none"> <li>Inspect all newly installed stormwater treatment systems and HM controls within 45 days of installation?</li> </ul>	X	Yes		No		Not applicable. No new facilities were installed.
<ul style="list-style-type: none"> <li>Inspect at least 20 percent of the total number of installed stormwater treatment systems or HM controls?<sup>3</sup></li> </ul>	X	Yes		No		Not applicable. No treatment measures
<ul style="list-style-type: none"> <li>Inspect at least 20 percent of the total number of installed vault-based systems?</li> </ul>	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.

Summary: 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. 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 difference 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 possible source control measures.

<sup>3</sup> If 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 <sup>10</sup> , Street Address	Name of Developer	Project Phase No. <sup>11</sup>	Project Type & Description <sup>12</sup>	Project Watershed <sup>13</sup>	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area(ac) <sup>14</sup>	Total Replaced Impervious Surface Area(ac) <sup>15</sup>	Total Pre- Project Impervious Surface Area <sup>16</sup> (ac)	Total Post-Project Impervious Surface Area <sup>17</sup> (ac)
<b>Private Projects</b>											
Cherry Logistics Center	Cherry Street north of Jasmine Avenue, 38811 Cherry Street, Newark, CA 94560	Cherry Logistics LLC	N/A-Project Completed	Redevelopment – Construction of new approximate 574,600 square foot industrial warehouse.	Mowry Slough	29.54	24.10	0	24.10	28.16	24.10
Tract 8130	Cedar Boulevard and Robertson Avenue	Trumark Homes LLC	Construction	Redevelopment – Single family detached and townhome style units.	Plummer Creek	11.98	6.98	5.70	1.28	8.77	6.98
Cedar Townhomes	Cedar Boulevard and Mowry School Road, 39850/39888 Cedar Boulevard	Integral Communities, Inc.	City Council Approval (Tentative Map)	New development - townhomes	Mowry Slough	4.28	3.19	3.19	0	0	3.19
Birch Street	Birch Street south of Jacaranda Drive, 38517 Birch Street	Mission Peak Homes	City Council Approval (Tentative Map)	Redevelopment – single family detached	Mowry Slough	2.00	1.04	1.04	0.59	1.38	1.04
Tract 8085	Willow Street and Central Avenue	William Lyon Homes	City Council Approval (Tentative Map)	Revelopment – combination of single-family detached and townhomes	Plummer Creek	42.22	40.92	24.95	3.24	3.24	28.19

<sup>10</sup> Include cross streets

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

<sup>12</sup> Project Type is the type of development (i.e., new and/or redevelopment). Example descriptions of development are: 5-story office building, residential with 160 single-family homes with five 4-story buildings to contain 200 condominiums, 100 unit 2-story shopping mall, mixed use retail and residential development (apartments), industrial warehouse.

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

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

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

<sup>16</sup> For redevelopment projects, state the pre-project impervious surface area.

<sup>17</sup> For redevelopment projects, state the post-project impervious surface area.

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

Project Name Project No.	Project Location <sup>10</sup> , Street Address	Name of Developer	Project Phase No. <sup>11</sup>	Project Type & Description <sup>12</sup>	Project Watershed <sup>13</sup>	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area(ac) <sup>14</sup>	Total Replaced Impervious Surface Area(ac) <sup>15</sup>	Total Pre- Project Impervious Surface Area <sup>16</sup> (ac)	Total Post-Project Impervious Surface Area <sup>17</sup> (ac)
<b>Public Projects</b>											
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Note: The City did not have any public regulated projects for the FY2013-2014 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 <sup>18</sup>	Application Final Approval Date <sup>19</sup>	Source Control Measures <sup>20</sup>	Site Design Measures <sup>21</sup>	Treatment Systems Approved <sup>22</sup>	Type of Operation & Maintenance Responsibility Mechanism <sup>23</sup>	Hydraulic Sizing Criteria <sup>24</sup>	Alternative Compliance Measures <sup>25/26</sup>	Alternative Certification <sup>27</sup>	HM Controls <sup>28/29</sup>
<b>Private Projects</b>										
Tract 8130 (Trumark Homes)	9/10/2013	9/28/2013	Marking of all on site inlets with thermoplastic stenciling "No Dumping Flows to Bay,"	Direct roof runoff and runoff from sidewalks, driveways, and patios to vegetated areas, minimize land disturbance/minimize impervious surface,	Bioretention areas	Stormwater Treatment Measures Maintenance Agreement/Operation and Maintenance Information Form	4% general rule of thumb	No alternative compliance involved in this project.	No alternative certification involved in this project.	HM Controls is not required for this project. The total impervious area did not increase over the pre-

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

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

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

<sup>21</sup> List site design measures approved for the project. Examples include: minimize impervious surfaces; conserve natural areas, including existing trees or other vegetation, and soils; construct sidewalks, walkways, and/or patios with permeable surfaces, etc.

<sup>22</sup> List all approved stormwater treatment system(s) to be installed onsite or at a joint stormwater treatment facility (e.g., flow through planter, bioretention facility, infiltration basin, etc.).

<sup>23</sup> List the legal mechanism(s) (e.g., O&M agreement with private landowner; O&M agreement with homeowners' association; O&M by public entity, etc...) that have been or will be used to assign responsibility for the maintenance of the post-construction stormwater treatment systems.

<sup>24</sup> See Provision C.3.d.i. "Numeric Sizing Criteria for Stormwater Treatment Systems" for list of hydraulic sizing design criteria. Enter the corresponding provision number of the appropriate criterion (i.e., 1.a., 1.b., 2.a., 2.b., 2.c., or 3).

<sup>25</sup> For Alternative Compliance at an offsite location in accordance with Provision C.3.e.i.(1), on a separate page, give a discussion of the alternative compliance site including the information specified in Provision C.3.b.v.(1)(m)(i) for the offsite project.

<sup>26</sup> For Alternative Compliance by paying in-lieu fees in accordance with Provision C.3.e.i.(2), on a separate page, provide the information specified in Provision C.3.b.v.(1)(m)(ii) for the Regional Project.

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

<sup>28</sup> If HM control is not required, state why not.

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

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

Project Name Project No.	Application Deemed Complete Date <sup>18</sup>	Application Final Approval Date <sup>19</sup>	Source Control Measures <sup>20</sup>	Site Design Measures <sup>21</sup>	Treatment Systems Approved <sup>22</sup>	Type of Operation & Maintenance Responsibility Mechanism <sup>23</sup>	Hydraulic Sizing Criteria <sup>24</sup>	Alternative Compliance Measures <sup>25/26</sup>	Alternative Certification <sup>27</sup>	HM Controls <sup>28/29</sup>
			plumb interior floor drains to sanitary sewer, minimize use of pesticides and quick release fertilizers, use efficient irrigation system -roofed or enclosed area for dumpsters, incorporation of Bay-Friendly Landscaping principles	maximize permeability, and use of micro-detention						project condition.
Cedar Townhomes	5/27/2014	6/12/2014	Marking of all on site inlets with thermoplastic stenciling "No Dumping Flows to Bay," plumb interior floor drains to sanitary sewer,	Direct roof runoff and runoff from sidewalks, driveways, and patios to vegetated areas, minimize land disturbance/minimize impervious surface, maximize permeability, and use of micro-detention	Bioretention areas	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.	Underground storage vault system (underground water detention)

**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 <sup>18</sup>	Application Final Approval Date <sup>19</sup>	Source Control Measures <sup>20</sup>	Site Design Measures <sup>21</sup>	Treatment Systems Approved <sup>22</sup>	Type of Operation & Maintenance Responsibility Mechanism <sup>23</sup>	Hydraulic Sizing Criteria <sup>24</sup>	Alternative Compliance Measures <sup>25/26</sup>	Alternative Certification <sup>27</sup>	HM Controls <sup>28/29</sup>
			minimize use of pesticides and quick release fertilizers, use efficient irrigation system							
Birch Street	5/13/2014	6/12/2014	Marking of all on site inlets with thermoplastic stenciling "No Dumping Flows to Bay," plumb interior floor drains to sanitary sewer, minimize use of pesticides and quick release fertilizers, use efficient irrigation system	Direct roof runoff and runoff from sidewalks, driveways, and patios to vegetated areas, minimize land disturbance/minimize impervious surface, maximize permeability, and use of micro-detention	Bioretention areas	Stormwater Treatment Measures Maintenance Agreement/Operation and Maintenance Information Form	Combination hydraulic sizing approach	No alternative compliance involved in this project.	No alternative certification involved in this project.	HM Controls is not required for this project. The total impervious area did not increase over the pre-project condition.

**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 <sup>30</sup>	Date Construction Scheduled to Begin	Source Control Measures <sup>31</sup>	Site Design Measures <sup>32</sup>	Treatment Systems Approved <sup>33</sup>	Operation & Maintenance Responsibility Mechanism <sup>34</sup>	Hydraulic Sizing Criteria <sup>35</sup>	Alternative Compliance Measures <sup>36/37</sup>	Alternative Certification <sup>38</sup>	HM Controls <sup>39/40</sup>
<b>Public Projects</b>										
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Note: The City did not have any public regulated projects for the FY2013-2014 reporting period.										

<sup>30</sup> For public projects, enter the plans and specifications approval date.

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

<sup>32</sup> List site design measures approved for the project. Examples include: minimize impervious surfaces; conserve natural areas, including existing trees or other vegetation, and soils; construct sidewalks, walkways, and/or patios with permeable surfaces, etc.

<sup>33</sup> List all approved stormwater treatment system(s) to be installed onsite or at a joint stormwater treatment facility (e.g., flow through planter, bioretention facility, infiltration basin, etc.).

<sup>34</sup> List the legal mechanism(s) (e.g., maintenance plan for O&M by public entity, etc..) that have been or will be used to assign responsibility for the maintenance of the post-construction stormwater treatment systems.

<sup>35</sup> See Provision C.3.d.i. "Numeric Sizing Criteria for Stormwater Treatment Systems" for list of hydraulic sizing design criteria. Enter the corresponding provision number of the appropriate criterion (i.e., 1.a., 1.b., 2.a., 2.b., 2.c., or 3).

<sup>36</sup> For Alternative Compliance at an offsite location in accordance with Provision C.3.e.i.(1), on a separate page, give a discussion of the alternative compliance site including the information specified in Provision C.3.b.v.(1)(m)(i) for the offsite project.

<sup>37</sup> For Alternative Compliance by paying in-lieu fees in accordance with Provision C.3.e.i.(2), on a separate page, provide the information specified in Provision C.3.b.v.(1)(m)(ii) for the Regional Project.

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

<sup>39</sup> If HM control is not required, state why not.

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

C.3.h.iv. ► 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) <sup>41</sup>	Party Responsible <sup>42</sup> For Maintenance	Date of Inspection	Type of Inspection <sup>43</sup>	Type of Treatment/HM Control(s) Inspected <sup>44</sup>	Inspection Findings or Results <sup>45</sup>	Enforcement Action Taken <sup>46</sup>	Comments/Follow-up
Tract 7126	Forbes Drive & Wedgewood Street, Byington Park (Byington Drive bend in park)	No	City of Newark	12/3/13	Annual	CDS Units (2)	Floatables + Murky Water. The City typically vacuum and cleans out the CDS Units before and/or after the rainy season, depending on the accumulated trash in each unit. 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 7254	Intersection of Smith Avenue & Amaryllis Place	No	City of Newark	12/4/13	Annual	CDS Unit	Floatables + Murky Water. The City typically vacuum and cleans out the CDS Units before and/or after the rainy season, depending on the accumulated trash in each unit. 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.
Silliman Center	6800 Mowry Avenue	No	City of Newark	12/4/13	Annual	CDS Unit	Floatables + Murky Water. The City typically vacuum and cleans out the CDS Units before and/or after the rainy season, depending on the accumulated trash in each unit. Cleaning of all City owned CDS Units are usually performed on the same	None	CDS Units vacuumed and cleaned upon inspection. Inspection was performed on the same day maintained.

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

<sup>42</sup> State the responsible operator for installed stormwater treatment systems and HM controls.

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

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

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

<sup>46</sup> State 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) <sup>41</sup>	Party Responsible <sup>42</sup> For Maintenance	Date of Inspection	Type of Inspection <sup>43</sup>	Type of Treatment/HM Control(s) Inspected <sup>44</sup>	Inspection Findings or Results <sup>45</sup>	Enforcement Action Taken <sup>46</sup>	Comments/Follow-up
							schedule.		
Tract 7246	Intersection of Aleppo Drive & Enterprise Drive	No	City of Newark	12/5/13	Annual	CDS Unit	Floatables + Murky Water, The City typically vacuum and cleans out the CDS Units before and/or after the rainy season, depending on the accumulated trash in each unit. 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.
Fire Station 28	7550 Thornton Avenue	No	City of Newark	12/5/13	Annual	CDS Unit	Floatables + Murky Water. The City typically vacuum and cleans out the CDS Units before and/or after the rainy season, depending on the accumulated trash in each unit. 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.
Senior Center	7401 Enterprise Drive	No	City of Newark	5/27/14	Annual	Grassy Swale	Curb openings unblocked, weeds removed, swale grass thick with some patches of brown/dry grass. Some trash. Grass 8-12 inches high, may need trimming next year.	None	City Maintenance Division staff performed maintenance work on and Engineering Division staff performs inspections.
Washington Hospital Newark Clinic	6250 Thornton Avenue	No	Newark Medical Center	5/27/14	Annual	Grassy Swales	Grass green, thick, healthy, no further maintenance required. Grass height 4-6 inches, free of trash, bubblers and catch basins clean.	None	None
Datasafe	37580 Filbert Street	No	Reis Newark LLC	5/27/14	Annual	Infiltration Swale, Infiltration Basin, Pervious Pavers	Infiltration basin-grass very thick, good mixture of green and brown grass and possibly	None	Director of operations had informed me that infiltration swale appears

**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) <sup>41</sup>	Party Responsible <sup>42</sup> For Maintenance	Date of Inspection	Type of Inspection <sup>43</sup>	Type of Treatment/HM Control(s) Inspected <sup>44</sup>	Inspection Findings or Results <sup>45</sup>	Enforcement Action Taken <sup>46</sup>	Comments/Follow-up
							too tall. Grass height will be monitored and should be trimmed next year. Infiltration trench-grass appears dying. Self-treatment area (pervious pavers) in good shape and catch basins clean.		dying because they were informed to limit water use. They will increase frequency of watering and reseed if needed. Will monitor the condition of the grass and may require the infiltration trench be completely reseeded or replaced.
Site Unoccupied	6590 Central Avenue	No	Guardian Packaging Corp	5/27/14	Annual	Grassy Swale	Grass healthy, thick and green. Vegetation (trees & shrubs) in good shape. Minimal bare spots. Catch basins clean.	None	Grass should be allowed to grow longer. Will monitor and inform property management to allow grass to grow 4-6 inches.
Cherry Property Investment	38083 Cherry Street	No	Apex Maritime Co., Inc	5/27/14	Annual	Grassy Swale	The previously installed bark has been removed along the swale bottom and the original design of the swale has been restored. Property manager had planted California Fescue along the swale bottom to match original design.	None	City will monitor the growth of the newly planted California Fescue.
Emmanuel Mission Church	5885 Smith Avenue	No	Emmanuel Mission Church	5/27/14	Annual	Flow-through planter	Flow through planter in great shape. Plants are healthy and well maintained.	None	None
Mowry Crossing	5655 Mowry Avenue	No	Toyama Partners, LLC	5/27/14	Annual	Bioswales	Grass coverage improving along entire swale. Grass along side swale growing faster than bottom of swale. Some weeds, bare spots, and trash present.	None	None
Cruise America	5623 John Muir Drive	No	Balentine Drive Holdings LLC	5/27/14	Annual	Bioretention Area	Bioretention are in great shape. Landscaping healthy, green,	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) <sup>41</sup>	Party Responsible <sup>42</sup> For Maintenance	Date of Inspection	Type of Inspection <sup>43</sup>	Type of Treatment/HM Control(s) Inspected <sup>44</sup>	Inspection Findings or Results <sup>45</sup>	Enforcement Action Taken <sup>46</sup>	Comments/Follow-up
							and lush. Well maintained.		
Cedar Springs	39620 Cedar Boulevard	No	Shamco Investments	5/27/14	Annual	Grassy Swale CDS Unit	Grass is long, thick, green, and healthy. Some areas of brown and dry grass. Some weeds present. CDS Unit vacuum flushed and cleaned out.	None	Will require trimming of the grass next year.
Mitac Information Systems, Corp	39889 Eureka Drive	No	Mitac Information Systems, Corp	5/27/14	Annual	Vegetative Swale	The new property owner decided to replace the grass within the rear parking lot with new fescue sod. Looks really good. Curb openings clear. Grass in front parking lot brown and dry with small patches of green.	None	Will monitor condition of grass in the front parking lot. May also require replacement.
Mitac Information Systems, Corp	39889 Eureka Drive	No	Mitac Information Systems, Corp	*8/12/13 *This entry was included in the 2012-2013 annual report	Follow-up	Vegetative Swale	New sod/grass still needs to be monitored for growth and grass roots at curb openings need to be removed to allow runoff to flow into swale. Repairs to the irrigation system are complete. City to continue to monitor grass growth. Curb openings still need to be cleared.	Verbal Warning	City will perform another inspection to ensure that the treatment system is back to the original condition. Must confirm that curb openings are clear. More time needed to allow existing grass to improve and new grass to fully germinate.
Apple Building	39800 Eureka Drive	No	Apple Inc.	5/27/14	Annual	Bioswales Bioretention	Bioswales look great. Grass green, thick, and healthy. Grass and some vegetation may be too long.	None	Will require trimming of grass and vegetation next year.
Inwalle Newark LLC/Starbucks & Autozone	35020, 35040, 35060 Newark Boulevard	No	Inwalle Newark	5/27/14	Annual	Bioretention	Grass thick, green, and healthy. One small section of brown and dry grass.	None	None
Venture Commerce Center	35465 Dumbarton Court	No	Venture Commerce Center Property	5/27/14	Annual	Grassy Swale	Grass appears to be maintained. However, increase spots of brown, dry grass. Good grass coverage.	None	Will monitor condition of grass.

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) <sup>41</sup>	Party Responsible <sup>42</sup> For Maintenance	Date of Inspection	Type of Inspection <sup>43</sup>	Type of Treatment/HM Control(s) Inspected <sup>44</sup>	Inspection Findings or Results <sup>45</sup>	Enforcement Action Taken <sup>46</sup>	Comments/Follow-up
			Management				No trash.		
Amazon Distribution Center	38811 Cherry Street	Yes	Cherry Logistics LLC	4/29/14	45-Day	Bioretention	Grass within the bioretention areas not fully germinated at project completion.	None	Will monitor the germination of the landscaping within the bioretention area.

C.3.e.vi.Special Projects Reporting Table												
Reporting Period – January 1 – June 30, 2013												
Project Name & No.	Permittee	Address	Application Submittal Date <sup>47</sup>	Status <sup>48</sup>	Description <sup>49</sup>	Site Total Acreage	Density DU/Acre	Density FAR	Special Project Category <sup>50</sup>	LID Treatment Reduction Credit Available <sup>51</sup>	List of LID Stormwater Treatment Systems <sup>52</sup>	List of Non-LID Stormwater Treatment Systems <sup>53</sup>
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
The City did not have a special project during the 2013-214 reporting period.												

<sup>47</sup> Date that a planning application for the Special Project was submitted.

<sup>48</sup> Indicate whether final discretionary approval is still pending or has been granted, and provide the date or version of the project plans upon which reporting is based.

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

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

<sup>51</sup> For each applicable Special Project Category, state the maximum total LID Treatment Reduction Credit available. For Category C Special Projects also list the individual Location, Density, and Minimized Surface Parking Credits available.

<sup>52</sup> List all LID stormwater treatment systems proposed. For each type, indicate the percentage of the total amount of runoff identified in Provision C.3.d. for the Special Project's drainage area.

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

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

**Program Highlights**

Provide background information, highlights, trends, etc.

The City's Industrial and Commercial inspections during the FY2013-14 reporting period continues to improve as staff gains experience and NOI facilities appear to be making the maintenance of 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 as needed based on site performance and condition. 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. 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.

**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.

C&Y Global Group California, Safety Kleen (formerly Evergreen Oil), 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, L&L Hawaiian BBQ, Amma's Indian Restaurant, Hometown Buffet, Spice Kitchen, Ok Noodle House, Anny's Family Restaurant, Kabul Exp Kabob, Arteaga's Food Center, Land Asian Cuisine, Simply Thai, Safeway, Delicious Donuts & Bagels, Raley's, New Town Sushi, Burger King, International House of Pancakes, Panda Express, Dino's Grill, Baby Lobster, Nguyen Vu Restaurant, Mehran Restaurant & Catering,

**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 (formerly Evergreen Oil), 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, Sears Auto Center, Bombay Garden

**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	45	
Total number of inspections conducted	58	
Number of violations ( <u>excluding</u> verbal warnings)	0	
Sites inspected in violation	13	26
Violations resolved within 10 working days or otherwise deemed resolved in a longer but still timely manner	0	0

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 FY2013-2014 period were verbal warnings.
- 2) There were 13 cases where inspections resulted in a need for corrective action. Staff typically requires that these issues be corrected in advance of the next rainy season but did not require completion prior to the end of the FY 2013-14 reporting period due to the timing of the inspections during the summer months and the lack of rain. Staff will complete follow-up inspections in the early portion of the FY 2014-15 reporting period and will include these inspection results in the FY 2014-15 Annual Report.
- 3) Please note that staff categorized all violations as verbal warnings in the FY2013-2014 reporting period. If the severity of a corrective action called for additional Written Enforcement, a separate written document in the form of a letter would have been sent by City staff.
- 4) "Total Number of Inspections Conducted (58)": 22 NOI sites, 1 Non-NOI site, 22 food service/business sites, 13 follow-up inspections from FY 2012-2013.

**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 (13)

Comments: There were 13 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 an 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 2013-2014.

**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) <sup>48</sup>	Number of Enforcement Actions Taken	% of Enforcement Actions Taken <sup>49</sup>
Level 1	Verbal Warning	13	100
Level 2	Written Enforcement	0	0
Level 3	Administrative Fine	0	0
Level 4	Legal Action	0	0
<b>Total</b>		13	100

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

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

Business Category <sup>50</sup>	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:

CY Global (Instructed to contact the State Water Resources Control Board on 6/12/14).

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

Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance	Percent of Inspectors in Attendance
ACCWP Stormwater Business Inspectors Workshop: Enforcement Tools	November 14, 2013	<ul style="list-style-type: none"> <li>Using the Enforcement Response Plan</li> <li>Enforcement Case Scenarios</li> <li>BMPs for Businesses</li> <li>Controlling Pre-production Plastics</li> </ul>	0	0

<sup>48</sup> Agencies to list specific enforcement actions as defined in their ERPs.

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

<sup>50</sup> List your Program's standard business categories.

**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 increase in the total number of discharges reported during FY 2013-2014. Public awareness/public knowledge on the topic of water quality/environmental protection in addition to improvements in communication between the Fire Department and City 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 is the same as last year and primarily involves examination of flood control channels at street crossings. These inspections are typically completed by Engineering Division staff. Maintenance Division staff also perform visual inspection 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.

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 current mobile business BMP sheet is in the process of modification by the Illicit Discharge Control Subcommittee. 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. Typically at least 25 locations are screened annually. However, 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. The City has taken some, but still not all actions required under C.5.e.iii of the MRP. A storm drain system map hardcopy is on hand and available for public view at the Engineering Division offices (37101 Newark Boulevard). However, we are still in the process of updating our Geographic Information System in order to make an electronic version of the MS4 available. 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))	13	
Discharges reaching storm drains and/or receiving waters (C.5.f.iii.(2))	8	62
Discharges resolved in a timely manner (C.5.f.iii.(3))	9	69

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 four discharges that made it to the storm drain system and not resolved in a timely manner were related to carwash, restaurant washout activities, and grease trap/sanitary sewer overflows 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 2013-2014 reporting period, the following is a general list of discharges and complaints: 1) Oil/hydraulic/salt spills onto pavement 2) car washing operations 3) grease interceptor/sanitary sewer cleanout overflow 4) restaurant waste area washout 5) grey water discharge (residential) 6) petroleum tank 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	# 1	# 10
<p>The City had one high priority sight (Amazon Distribution Center) under construction during the FY 2013-2014 reporting period. The common correction item during construction was dust control, stabilized construction entrance maintenance, sediment tracking, pavement sweeping, concrete washout maintenance, soil stockpile protection, and inlet protection.</p> <p>The City had one other site (76 Gas Station Remodel) under construction during the FY 2013-2104 reporting period that did not fall within the above categories but required regular inspection. The common correction item during construction was sediment tracking, dust control, soil stockpile protection, and inlet protection.</p> <p>The City performs stormwater inspections for all projects that involve any type of grading or major earthwork (cut and fill) regardless of the size of the site.</p>		

<b>C.6.e.iii.1.d ▶ Construction Activities Storm Water Violations</b>		
<b>BMP Category</b>	<b>Number of Violations<sup>51</sup> excluding Verbal Warnings</b>	<b>% of Total Violations<sup>52</sup></b>
Erosion Control	0	0
Run-on and Run-off Control	0 (16)	0 (72)
Sediment Control	0	0
Active Treatment Systems	0	0
Good Site Management	0 (3)	0 (14)
Non Stormwater Management	0 (3)	0 (14)
<b>Total<sup>53</sup></b>	<b>22</b>	<b>100%</b>

For the 2013-2014 FY, corrections noted on "Inspection Checklist for Stormwater Controls" checklists provided by the Alameda County Clean Water Program to the contractor are considered a "Verbal Warning" (Verbal Warning with Written Documentation). 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" in the form separate letters to the developer and/or contractor. All "Verbal Warnings" were addressed within 10 business days.

<sup>51</sup> Count one violation in a category for each site and inspection regardless of how many violations/problems occurred in the BMP category. For example, if during one inspection at a site, there are 2 erosion control violations, only 1 violation would be counted for this table.

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

<sup>53</sup> The total number of violations may count more than one violation per inspection, since some inspections may result in violations in more than one category. For example, during one inspection of a site, there may have been both an erosion control violation and a sediment control violation. For this reason, the total number of violations in this table may not match the total number of enforcement actions reported in Table C6.e.iii.1.e.

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

	Enforcement Action (as listed in ERP) <sup>54</sup>	Number Enforcement Actions Issued	% Enforcement Actions Issued <sup>55</sup>
Level 1 <sup>56</sup>	Verbal Warning	22	100
Level 2	Written Enforcement	0	0
Level 3	Administrative Fee	0	0
Level 4	Legal Action	0	0
<b>Total</b>			<b>100%</b>

**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

<sup>54</sup> Agencies should list the specific enforcement actions as defined in their ERPs.

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

<sup>56</sup> For example, Enforcement Level 1 may be Verbal Warning.

<b>C.6.e.iii.1.h, i ► Violation Correction Times</b>		
	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	0% <sup>57</sup>
Violations (excluding verbal warnings) not fully corrected within 30 days after violations are discovered (C.6.e.iii.1.i)	0	0% <sup>58</sup>
Total number of violations (excluding verbal warnings) for the reporting year <sup>59</sup>	0	100%
Comments: All "Verbal Warnings with Documentation" addressed within 10 business days.		

<b>C.6.e.iii.(2) ► Evaluation of Inspection Data</b>
Describe your evaluation of the tracking data and data summaries and provide information on the evaluation results (e.g., data trends, typical BMP performance issues, comparisons to previous years, etc.).
As in previous years, contractors continue to struggle with the maintenance of stabilized construction entrances, sediment tracking, and dust control. The City typically requires contractors to rake out and provide additional rock as necessary to remove mud, dirt, etc from tires. Due to heavy construction traffic (large trucks), rock within stabilized construction entrances become embedded into the soil making it very difficult to rake out, resulting in sediment tracking onto City streets. The City will continue to recommend rumble plates as necessary to address this issue and supplement the rock. In addition to the stabilized construction entrance, recycled asphalt may also be placed along the perimeter of the construction site and/or frequently travelled areas to stabilize the ground. Concrete washout areas also tend to be underutilized, ignored, and damaged during construction. Concrete washout areas are normally damaged by large construction vehicles or overflowed resulting in concrete contractors dumping concrete onto areas not contained. The City typically will issue a Stop Work Notice if the contractor fails to implement appropriate site controls after numerous verbal and written warnings.

<b>C.6.e.iii.(2) ► Evaluation of Inspection Program Effectiveness</b>
Describe what appear to be your program's strengths and weaknesses, and identify needed improvements, including education and outreach.
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 then transferred to the City's electronic inspection database. The City's Building Inspectors have experience in construction site controls and has received additional training in the past through County workshops. In addition, the City's Public Works Inspectors will attend future workshops to further improve the

<sup>57</sup> Calculated as number of violations fully corrected in a timely period after the violations are discovered divided by the total number of violations for the reporting year.

<sup>58</sup> Calculated as number of violations not fully corrected within 30 days after the violations are discovered divided by the total number of violations for the reporting year.

<sup>59</sup> The total number of violations reported in the table of Violation Correction Times equals the number of initial enforcement actions. I.e., This assumes one violation is issued for several problems during an inspection at a site. The total number of violations in the table of Violation Correction Times may not equal the total number of enforcement actions because one violation issued at a site may have a second enforcement action for the same violation at the next inspection if it is not corrected.

effectiveness of the City’s construction inspection program for on and off-site construction. The City is also working to improve the effectiveness of the construction inspection program and industrial/commercial site inspections tracking by implementing a new tracking software/program to eliminate the use of paper inspection forms and potentially add a new database for C.3, C.4, C.5, and C.6 tracking purposes. The City continues to attend the Alameda County Clean Water Program New Development Subcommittee meetings to obtain useful outreach material to distribute to contractors and the public. The City also uses the outreach materials to train City staff.

**C.6.f ► Staff Training Summary**

Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance	Percent of Inspectors in Attendance
Training is required to be conducted every other year. ACCWP C.6 Training Workshop conducted in June 2013. Additional ACCWP C.6 Training planned for FY 14-15.	NA	NA	NA	NA
Note: There was no C.6 training during the FY2013-2014 reporting period.				

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: See Section C.7 – Public Information and Outreach – of the ACCWP FY 13-14 Annual Report and the BASMAA FY 2013-2014 Regional Supplement for Training and Outreach for a summary of related Program and BASMAA activities.

**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 surveys was included in previous annual reports.  
 Place an X in the appropriate box below: N/A

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

**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: Regional Youth Litter Campaign report in the BASMAA FY 2013-2014 Regional Supplement for Training and Outreach

**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 13-14:  
 BASMAA FY 2013-2014 Regional Supplement for Training and Outreach

Other media relations efforts conducted countywide are included within the C.7 Public Information and Outreach section of the ACCWP FY 13-14 Annual Report.

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

Summary of any changes made during FY 13-14:

No Change to 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., Enviroscene presentation, pesticides, stormwater awareness)	Provide general staff feedback on the event (e.g., success at reaching a broad spectrum of the community, well attended, good opportunity to talk to gardeners etc.). Provide other details such as: <ul style="list-style-type: none"> <li>• Estimated overall attendance at the event.</li> <li>• Number of people that visited the booth, comparison with previous years</li> <li>• Number of brochures and giveaways distributed</li> <li>• Results of any spot surveys conducted</li> </ul>

**FY 2013-2014 Annual Report**  
**Permittee Name: City of Newark**

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

<p>Stormwater Exhibit at the Alameda County Fair: July 1 through July 7, 2013 and June 18 through June 30, 2014 Staffing the exhibit is an effort conducted by individual Permittees. City of Newark employees staffed the exhibit on July 7, 2013 and assisted with the dismantling of the 2014 exhibit,</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 basic watershed awareness/stormwater pollution messages.</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 13/14 Annual Report.</p>
<p>Stormwater Booth at SummerFest (local event) held on July 13, 2013 in the NewPark Mall parking lot.</p>	<p>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.</p>	<p>This was the second 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 300 booth visitors, compared to approximately 200 visitors the previous year. Overall attendance at the event was estimated by the host to be approximately 8,000.</p>
<p>Ash Street Park Open House (local event) on August 1, 2013, held at Ash Street Park In Newark.</p>	<p>This event is the culmination of a summer day camp program run by the City’s Recreation and Community Services Department. The audience includes the families of the camp children, camp staff, and dignitaries.</p>	<p>This was the second year hosting a booth at this event. Approximately 200 people were in attendance compared to 300 the previous year. Approximately 100 activity books and 100 brochures were disseminated. This remained an excellent opportunity to reach the monolingual Spanish speaking population in Newark.</p>
<p>Farmer’s Market at NewPark Mall (local event) on March 23, 2014</p>	<p>City staff provided an information booth at the Farmer’s Market located in NewPark Mall parking lot.</p>	<p>Approximately 300 people visited our booth, decrease from about 400 the previous year. Overall attendance is estimated at 800. Re-usable bags, pencils, brochures, and other materials were made available through the City’s Stormwater program and staff was in attendance to help answer questions.</p>
<p>Family Day at the Park Community Resource Faire (local event) on April 12, 2014 at the Newark Community Center</p>	<p>Resource fair with primary attendees being families due to traditional family events such as Easter egg hunt, face painting, inflatable jump house etc.</p>	<p>Approximately 1,000 people were in attendance. This is up again from the previous year. Pencils, brochures, and other materials were provided and staff was in attendance to help answer questions.</p>

**C.7.f. ► Watershed Stewardship Collaborative Efforts**

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

Evaluate effectiveness by describing the following:

- Efforts undertaken
- Major accomplishments

Summary: See Section C.7 (Public Outreach and Involvement) of the ACCWP FY 13-14 Annual Report for a summary of the *Bringing Back the 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"> <li>• Number of participants. Any change in participation from previous years.</li> <li>• Distance of creek or water body cleaned</li> <li>• Quantity of trash/recyclables collected (weight or volume).</li> <li>• Number of inlets marked.</li> <li>• Data trends</li> </ul>
Community Stewardship Grants Program	The Countywide Program sponsors the Community Stewardship Grants (CSG) Program. The CSG Program provides approximately \$20,000 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 FY13/14 Annual Report for a summary.

Jerry Raber Ash Street Park Clean-Up (local event) on April 25, 2014	Volunteers, under the supervision of City staff, performed a clean-up of Jerry Raber Ash Street Park that included trash removal	Ten (10) volunteers from Deaf Plus performed a volunteer clean-up and removed approximately 1.5 cubic yards of trash.
Community Center Park Clean-Up (local event) on April 26, 2014.	Volunteers and staff performed a clean-up of Community Center Park that included trash removal.	Over 30 volunteers from Arise Church in Fremont assisted in a clean-up of Community Center Park in celebration of Earth Day, removing approximately 2.0 cubic yards of trash and raking up pine needles and leaves.

**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.

<b>Program Details</b>	<b>Focus &amp; Short Description</b>	<b>Number of Students/Teachers reached</b>	<b>Evaluation of Effectiveness</b>
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 13/14 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 13-14, we contributed through ACCWP 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 13-14 Annual Report and the Integrated Monitoring Report.

Section 9 – Provision C.9 Pesticides Toxicity Controls

<b>C.9.b ► Implement IPM Policy or Ordinance</b>					
Report implementation of IPM BMPs by showing trends in quantities and types of pesticides used, and suggest reasons for increases in use of pesticides that threaten water quality, specifically organophosphates, pyrethroids, carbaryl, and fipronil. A separate report can be attached as evidence of your implementation.					
Trends in Quantities and Types of Pesticides Used <sup>60</sup>					
Pesticide Category and Specific Pesticide Used	Amount <sup>61</sup>				
	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14
<b>Organophosphates</b>	None	None	None	None	None
Product or Pesticide Type A	NA	NA	NA	NA	NA
Product or Pesticide Type B	NA	NA	NA	NA	NA
<b>Pyrethroids</b>	None	None	None	None	None
Product or Pesticide Type X	NA	NA	NA	NA	NA
Product or Pesticide Type Y	NA	NA	NA	NA	NA
<b>Carbaryl</b>	None	None	None	None	None
<b>Fipronil</b>	None	None	None	None	None

<b>C.9.c ► Train Municipal Employees</b>	
Enter the number of employees that applied or used pesticides (including herbicides) within the scope of their duties this reporting year.	4
Enter the number of these employees who received training on your IPM policy and IPM standard operating procedures within the last 3 years.	5
Enter the percentage of municipal employees who apply pesticides who have received training in the IPM policy and IPM standard operating procedures within the last three years.	100%

<sup>60</sup> Includes all municipal structural and landscape pesticide usage by employees and contractors.

<sup>61</sup> Weight 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.

<b>C.9.d ▶ Require Contractors to Implement IPM</b>				
Did your municipality contract with any pesticide service provider in the reporting year?			<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
If yes, attach one of the following:				
<input checked="" type="checkbox"/>	Contract specifications that require adherence to your IPM policy and standard operating procedures, OR			
<input type="checkbox"/>	Copy(ies) of the contractors' IPM certification(s) or equivalent, OR			
<input type="checkbox"/>	Equivalent documentation.			
If <b>Not attached</b> , explain:				

<b>C.9.e ▶ Track and Participate in Relevant Regulatory Processes</b>	
Summarize participation efforts, information submitted, and how regulatory actions were affected <b>OR</b> reference a regional report that summarizes regional participation efforts, information submitted, and how regulatory actions were affected.	
Summary: During FY 13-14, Newark participated in regulatory processes related to pesticides through contributions to the Countywide Program, BASMAA and CASQA. See the CASQA Pesticides Subcommittee Annual Report 2013-14: Preventing Urban Pesticide Pollution in Stormwater for a summary of CASQA activities.	

<b>C.9.f ▶ Interface with County Agricultural Commissioners</b>				
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"/> Yes	<input checked="" type="checkbox"/> 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.				

<b>C.9.h.ii ▶ Public Outreach: Point of Purchase</b>	
Provide a summary of public outreach at point of purchase, and any measurable awareness and behavior changes resulting from outreach (here or in a separate report); <b>OR</b> reference a report of a regional effort for public outreach in which your agency participates.	
Summary: See the C.9 Pesticides Toxicity Control section of the ACCWP FY 13-14 Annual Report and the BASMAA FY 2013-2014 Regional Supplement for Training and Outreach 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 13-14 Annual Report for a summary of 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) Descriptions of actions/tasks completed towards achieving the Minimum Full Trash Capture requirement in provision C.10.a.iii. Include the:
  - Total number and types of full capture devices (publicly and privately-owned) installed to-date;
  - 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), in comparison to the MRP-required full capture requirements in Attachment J to the MRP; and,
  - Percentage of jurisdictional land areas with very high, high, moderate and low trash generation rates treated by full capture devices.
- 2) 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.

**Descriptions of Actions/Tasks (Conducted or Planned):**

The City of Newark’s Trash Long-Term Reduction Plan includes the installation of full trash capture devices as a significant component of the overall trash reduction strategy. Through the end of the FY 13/14 reporting period, the City has installed 249 new connector pipe screens in individual storm drain inlets as full trash capture devices, with high and very high trash generation areas targeted. The City has placed devices to provide full capture over an area more than five times (5x) the number required under the MRP. The distribution of these full trash capture devices over the City’s trash generation areas (TGAs) are as follows:

Total area treated by 249 devices:	514 acres
Total area required under Attachment J of the MRP:	94 acres
Total area in Very High TGAs:	23 acres (92% of all Very High TGAs)
Total area in High TGAs:	250 acres (40% of all High TGAs)
Total area in Moderate TGAs:	182 acres (10% of all Moderate TGAs)
Total area in Low TGAs:	58 acres (2% of all Low TGAs)

Most all of the remaining Very High and High TGAs without full capture are on private property where the City cannot place its own devices. The City is beginning to work with some of the larger commercial property owners in an effort to get full trash capture devices installed in these areas. This includes the NewPark Mall site which represents approximately 75 acres or 20% of the remaining High TGAs. The City will also continue with the placement of full trash capture devices in public areas. This will primarily be on arterial streets designated as High TGAs and in moderate TGAs where devices can be most effective.

The City now has many new development opportunities and is requiring full trash capture with all development activity except where Low Impact Development measures eliminate the possibility of any trash entering the project’s storm drain system.

**Descriptions of Maintenance Activities:**

The City's Maintenance Division is committed to maintaining all storm drain inlets with full trash capture devices at least twice annually. This will include one maintenance interval prior to the rainy season along with most of the City's other inlets, and at least once during the rainy season. 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 a dry year and that this will be the first 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 2013-14 to the extent possible.

Trash Hot Spot	FY 13-14 Cleanup Date	Volume of Trash Removed (cubic yards)				Dominant Type(s) of Trash in FY 2013-14	Trash Sources in FY 2013-14 (where possible)
		FY 2010-11	FY 2011-12	FY 2012-13	FY 2013-14		
Alameda County Flood Control Channel Line B – Smith Avenue	6/24/2014	1.41 cy	0.63 cy	1.2 cy	0.4 cy	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	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).

<b>C.10.c ► Long-Term Trash Load Reduction Plan</b>	
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
No significant changes have been made to the City of Newark's Long-term Trash Load Reduction Plan submitted in February 2014.	NA

**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: <a href="http://reusablebagsac.org/ordinancetext.html">http://reusablebagsac.org/ordinancetext.html</a>	See Section C.10 of the ACCWP FY 13-14 Annual Report.	See Section C.10 of the ACCWP FY 13-14 Annual Report.	4%
Public Education and Outreach Programs Targeted at Trash Reduction and Implemented post-MRP Adoption	See the section C.10 of the Alameda Countywide Clean Water Program's FY 13/14 Annual Report for a summary of related outreach activities. The City of Newark is not proposing any trash reduction based on outreach at this time, although efforts have been made with our regular outreach events.	See Section C.10 of the ACCWP FY 13-14 Annual Report.	See Section C.10 of the ACCWP FY 13-14 Annual Report.	0%

**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 generates very high (VH), high (H), moderate (M), or low (L) levels of trash;
- Identify the dominant trash source(s) and dominant type(s) of trash addressed or to-be addressed in the TMA;
- Include the area currently treated by full capture devices, the quantity and type of devices installed to-date, and the % of jurisdictional area that generates very high (VH), high (H), moderate (M), and low (L) levels of trash after accounting for reductions via full capture devices;
- 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 % of the jurisdictional area that generates very VH, H, M or L levels of trash after accounting for all control measures implemented to-date;
- 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; and
- Provide an estimate of the % of trash reduced in the TMA and jurisdiction-wide.

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		% TMA in Each Trash Generation Category			
					VH	H	M	L
1	309	Pedestrian, vehicle litter	Plastic/foil wrappers, plastic bottles, polystyrene, paper, cigarettes	Baseline Generation (Pre-MRP)	0	29	71	0
Trash Full Capture Devices		Summary Descriptions of Full Trash Capture Devices (Quantity and Type)		After taking into account Full Capture Devices	0	20	70	10
Total Area (Acres)	30	Full Trash Captures Devices installed to date includes 24 Connector Pipe Screens by United Stormwater, Inc.						
% of TMA	10							
% of VH/H/M	10							
Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices				After taking into account all New or Enhanced (post-MRP) Control Measures	0	18	67	15
<p><u>On-land Cleanup</u>: Newark has recently expanded its Maintenance Division staff with two new general laborer positions. These positions will allow for increased on-land trash clean-up by staff. The City has also increased its contractual landscape maintenance which will increase arterial street maintenance and trash pick-up capabilities in these areas. The estimated increase in dedicated on-land trash cleanup would, conservatively, result in approximately 160 gallons removed annually from TMA 1.</p> <p><u>Street Sweeping</u>: Newark made a decision prior to the end of FY 13/14 to purchase a new and more efficient street sweeper. This sweeper will be more effective in picking up trash and all other debris due to an improved design and will have greater storage capacity thereby reducing time away from sweeping for dumping purposes. This will allow for more focused efforts on all streets, but particularly arterial streets, many of which Newark has defined as high generation areas. A conservative estimate is that the new sweeper will result in an additional 92 gallons of trash removal from TMA 1.</p>								
Assessment Methods for Control Measures Other than Full Capture Devices								
These additional control measures will be evaluated for effectiveness with visual assessments and compared to initial assessments made prior to development of the Trash Long-Term Reduction Plan and Progress Assessment Strategy. The reduction estimates provided are intended to be very conservative, pending further evaluation.								
Summary of Assessment Results To-date								
No comparative assessments have been completed as yet to confirm the estimates provided for these enhanced control measures.								
Estimated % Trash Reduction in TMA due to New or Enhanced Post-MRP actions					25			
Estimated % Trash Reduction Jurisdiction-wide due to New or Enhanced Post-MRP actions					3			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		% TMA 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 (Pre-MRP)	0	4	11	84
Trash Full Capture Devices		Summary Descriptions of Full Trash Capture Devices (Quantity and Type)		After taking into account Full Capture Devices	0	4	11	85
Total Area (Acres)	7	Full Trash Captures Devices installed to date includes 4 Connector Pipe Screens by United Stormwater, Inc.						
% of TMA	1							
% of VH/H/M	6							
Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices				After taking into account all New or Enhanced (post-MRP) Control Measures	0	3	7	90
<p><u>On-land Cleanup</u>: Newark has recently expanded its Maintenance Division staff with two new general laborer positions. These positions will allow for increased on-land trash clean-up by staff. The City has also increased its contractual landscape maintenance which will increase arterial street maintenance and trash pick-up capabilities in these areas. The estimated increase in dedicated on-land trash cleanup would, conservatively, result in approximately 59 gallons removed annually from TMA 2.</p> <p><u>Street Sweeping</u>: Newark made a decision prior to the end of FY 13/14 to purchase a new and more efficient street sweeper. This sweeper will be more effective in picking up trash and all other debris due to an improved design and will have greater storage capacity thereby reducing time away from sweeping for dumping purposes. This will allow for more focused efforts on all streets, but particularly arterial streets, many of which Newark has defined as high generation areas. A conservative estimate is that the new sweeper will result in an additional 34 gallons of trash removal from TMA 2.</p>								
Assessment Methods for Control Measures Other than Full Capture Devices								
These additional control measures will be evaluated for effectiveness with visual assessments and compared to initial assessments made prior to development of the Trash Long-Term Reduction Plan and Progress Assessment Strategy. The reduction estimates provided are intended to be very conservative, pending further evaluation.								
Summary of Assessment Results To-date								
No comparative assessments have been completed as yet to confirm the estimates provided for these enhanced control measures.								
Estimated % Trash Reduction in TMA due to New or Enhanced Post-MRP actions					16			
Estimated % Trash Reduction Jurisdiction-wide due to New or Enhanced Post-MRP actions					1			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		% TMA 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 (Pre-MRP)	0	3	13	83
Trash Full Capture Devices		Summary Descriptions of Full Trash Capture Devices (Quantity and Type)		After taking into account Full Capture Devices	0	3	11	86
Total Area (Acres)	48	Full Trash Captures Devices installed to date includes 19 Connector Pipe Screens by United Stormwater, Inc.						
% of TMA	5							
% of VH/H/M	18							
Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices				After taking into account all New or Enhanced (post-MRP) Control Measures	0	2	8	90
<p><u>On-land Cleanup</u>: Newark has recently expanded its Maintenance Division staff with two new general laborer positions. These positions will allow for increased on-land trash clean-up by staff. The City has also increased its contractual landscape maintenance which will increase arterial street maintenance and trash pick-up capabilities in these areas. The estimated increase in dedicated on-land trash cleanup would, conservatively, result in approximately 68 gallons removed annually from TMA 3.</p> <p><u>Street Sweeping</u>: Newark made a decision prior to the end of FY 13/14 to purchase a new and more efficient street sweeper. This sweeper will be more effective in picking up trash and all other debris due to an improved design and will have greater storage capacity thereby reducing time away from sweeping for dumping purposes. This will allow for more focused efforts on all streets, but particularly arterial streets, many of which Newark has defined as high generation areas. A conservative estimate is that the new sweeper will result in an additional 39 gallons of trash removal from TMA 3.</p>								
Assessment Methods for Control Measures Other than Full Capture Devices								
These additional control measures will be evaluated for effectiveness with visual assessments and compared to initial assessments made prior to development of the Trash Long-Term Reduction Plan and Progress Assessment Strategy. The reduction estimates provided are intended to be very conservative, pending further evaluation.								
Summary of Assessment Results To-date								
No comparative assessments have been completed as yet to confirm the estimates provided for these enhanced control measures.								
Estimated % Trash Reduction in TMA due to New or Enhanced Post-MRP actions					22			
Estimated % Trash Reduction Jurisdiction-wide due to New or Enhanced Post-MRP actions					1			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		% TMA 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 (Pre-MRP)	0	0	43	57
Trash Full Capture Devices		Summary Descriptions of Full Trash Capture Devices (Quantity and Type)		After taking into account Full Capture Devices	0	0	43	57
Total Area (Acres)	0	Full Trash Captures Devices installed to date includes 1 Connector Pipe Screen by United Stormwater ,Inc.						
% of TMA	0							
% of VH/H/M	0							
Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices				After taking into account all New or Enhanced (post-MRP) Control Measures	0	0	38	62
<p><u>On-land Cleanup</u>: Newark has recently expanded its Maintenance Division staff with two new general laborer positions. These positions will allow for increased on-land trash clean-up by staff. The City has also increased its contractual landscape maintenance which will increase arterial street maintenance and trash pick-up capabilities in these areas. The estimated increase in dedicated on-land trash cleanup would, conservatively, result in approximately 50 gallons removed annually from TMA 4.</p> <p><u>Street Sweeping</u>: Newark made a decision prior to the end of FY 13/14 to purchase a new and more efficient street sweeper. This sweeper will be more effective in picking up trash and all other debris due to an improved design and will have greater storage capacity thereby reducing time away from sweeping for dumping purposes. This will allow for more focused efforts on all streets, but particularly arterial streets, many of which Newark has defined as high generation areas. A conservative estimate is that the new sweeper will result in an additional 29 gallons of trash removal from TMA 4.</p>								
Assessment Methods for Control Measures Other than Full Capture Devices								
These additional control measures will be evaluated for effectiveness with visual assessments and compared to initial assessments made prior to development of the Trash Long-Term Reduction Plan and Progress Assessment Strategy. The reduction estimates provided are intended to be very conservative, pending further evaluation.								
Summary of Assessment Results To-date								
No comparative assessments have been completed as yet to confirm the estimates provided for these enhanced control measures.								
Estimated % Trash Reduction in TMA due to New or Enhanced Post-MRP actions					5			
Estimated % Trash Reduction Jurisdiction-wide due to New or Enhanced Post-MRP actions					0			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		% TMA 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 (Pre-MRP)	0	46	27	28
Trash Full Capture Devices		Summary Descriptions of Full Trash Capture Devices (Quantity and Type)		After taking into account Full Capture Devices	0	2	7	92
Total Area (Acres)	174	Full Trash Captures Devices installed to date includes 93 Connector Pipe Screens by United Stormwater, Inc.						
% of TMA	71							
% of VH/H/M	88							
Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices				After taking into account all New or Enhanced (post-MRP) Control Measures	0	1	3	96
<p><u>On-land Cleanup</u>: Newark has recently expanded its Maintenance Division staff with two new general laborer positions. These positions will allow for increased on-land trash clean-up by staff. The City has also increased its contractual landscape maintenance which will increase arterial street maintenance and trash pick-up capabilities in these areas. The estimated increase in dedicated on-land trash cleanup would, conservatively, result in approximately 143 gallons removed annually from TMA 5.</p> <p><u>Street Sweeping</u>: Newark made a decision prior to the end of FY 13/14 to purchase a new and more efficient street sweeper. This sweeper will be more effective in picking up trash and all other debris due to an improved design and will have greater storage capacity thereby reducing time away from sweeping for dumping purposes. This will allow for more focused efforts on all streets, but particularly arterial streets, many of which Newark has defined as high generation areas. A conservative estimate is that the new sweeper will result in an additional 83 gallons of trash removal from TMA 5.</p>								
Assessment Methods for Control Measures Other than Full Capture Devices								
These additional control measures will be evaluated for effectiveness with visual assessments and compared to initial assessments made prior to development of the Trash Long-Term Reduction Plan and Progress Assessment Strategy. The reduction estimates provided are intended to be very conservative, pending further evaluation.								
Summary of Assessment Results To-date								
No comparative assessments have been completed as yet to confirm the estimates provided for these enhanced control measures.								
Estimated % Trash Reduction in TMA due to New or Enhanced Post-MRP actions					97			
Estimated % Trash Reduction Jurisdiction-wide due to New or Enhanced Post-MRP actions					11			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)										
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		% TMA 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 (Pre-MRP)	1	18	55	26		
Trash Full Capture Devices		Summary Descriptions of Full Trash Capture Devices (Quantity and Type)			After taking into account <u>Full Capture Devices</u>	0	11	49	39	
Total Area (Acres)	52	Full Trash Captures Devices installed to date includes 29 Connector Pipe Screens by United Stormwater, Inc.								
% of TMA	15									
% of VH/H/M	18									
Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices					After taking into account <u>all New or Enhanced (post-MRP) Control Measures</u>	0	10	45	45	
<p><u>On-land Cleanup</u>: Newark has recently expanded its Maintenance Division staff with two new general laborer positions. These positions will allow for increased on-land trash clean-up by staff. The City has also increased its contractual landscape maintenance which will increase arterial street maintenance and trash pick-up capabilities in these areas. The estimated increase in dedicated on-land trash cleanup would, conservatively, result in approximately 145 gallons removed annually from TMA 6.</p> <p><u>Street Sweeping</u>: Newark made a decision prior to the end of FY 13/14 to purchase a new and more efficient street sweeper. This sweeper will be more effective in picking up trash and all other debris due to an improved design and will have greater storage capacity thereby reducing time away from sweeping for dumping purposes. This will allow for more focused efforts on all streets, but particularly arterial streets, many of which Newark has defined as high generation areas. A conservative estimate is that the new sweeper will result in an additional 81 gallons of trash removal from TMA 6.</p>										
Assessment Methods for Control Measures Other than Full Capture Devices										
These additional control measures will be evaluated for effectiveness with visual assessments and compared to initial assessments made prior to development of the Trash Long-Term Reduction Plan and Progress Assessment Strategy. The reduction estimates provided are intended to be very conservative, pending further evaluation.										
Summary of Assessment Results To-date										
No comparative assessments have been completed as yet to confirm the estimates provided for these enhanced control measures.										
					Estimated % Trash Reduction in <u>TMA</u> due to New or Enhanced Post-MRP actions				39	
					Estimated % Trash Reduction <u>Jurisdiction-wide</u> due to New or Enhanced Post-MRP actions				4	

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)										
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		% TMA 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 (Pre-MRP)	3	4	86	8		
Trash Full Capture Devices		Summary Descriptions of Full Trash Capture Devices (Quantity and Type)			After taking into account <u>Full Capture Devices</u>	0	3	77	19	
Total Area (Acres)	80	Full Trash Captures Devices installed to date includes 6 Connector Pipe Screens by United Stormwater, Inc.								
% of TMA	12									
% of VH/H/M	13									
Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices					After taking into account <u>all New or Enhanced (post-MRP) Control Measures</u>	0	3	72	24	
<p><u>On-land Cleanup</u>: Newark has recently expanded its Maintenance Division staff with two new general laborer positions. These positions will allow for increased on-land trash clean-up by staff. The City has also increased its contractual landscape maintenance which will increase arterial street maintenance and trash pick-up capabilities in these areas. The estimated increase in dedicated on-land trash cleanup would, conservatively, result in approximately 260 gallons removed annually from TMA 7.</p> <p><u>Street Sweeping</u>: Newark made a decision prior to the end of FY 13/14 to purchase a new and more efficient street sweeper. This sweeper will be more effective in picking up trash and all other debris due to an improved design and will have greater storage capacity thereby reducing time away from sweeping for dumping purposes. This will allow for more focused efforts on all streets, but particularly arterial streets, many of which Newark has defined as high generation areas. A conservative estimate is that the new sweeper will result in an additional 150 gallons of trash removal from TMA 7.</p>										
Assessment Methods for Control Measures Other than Full Capture Devices										
These additional control measures will be evaluated for effectiveness with visual assessments and compared to initial assessments made prior to development of the Trash Long-Term Reduction Plan and Progress Assessment Strategy. The reduction estimates provided are intended to be very conservative, pending further evaluation.										
Summary of Assessment Results To-date										
No comparative assessments have been completed as yet to confirm the estimates provided for these enhanced control measures.										
					Estimated % Trash Reduction in <u>TMA</u> due to New or Enhanced Post-MRP actions				39	
					Estimated % Trash Reduction <u>Jurisdiction-wide</u> due to New or Enhanced Post-MRP actions				8	

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)									
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		% TMA 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 (Pre-MRP)	0	5	14	80	
Trash Full Capture Devices		Summary Descriptions of Full Trash Capture Devices (Quantity and Type)			After taking into account <u>Full Capture Devices</u>	0	3	14	82
Total Area (Acres)	11	Full Trash Captures Devices installed to date includes 11 Connector Pipe Screens by United Stormwater, Inc.							
% of TMA	3								
% of VH/H/M	10								
Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices					After taking into account <u>all New or Enhanced (post-MRP) Control Measures</u>	0	2	10	88
<p><u>On-land Cleanup</u>: Newark has recently expanded its Maintenance Division staff with two new general laborer positions. These positions will allow for increased on-land trash clean-up by staff. The City has also increased its contractual landscape maintenance which will increase arterial street maintenance and trash pick-up capabilities in these areas. The estimated increase in dedicated on-land trash cleanup would, conservatively, result in approximately 43 gallons removed annually from TMA 8.</p> <p><u>Street Sweeping</u>: Newark made a decision prior to the end of FY 13/14 to purchase a new and more efficient street sweeper. This sweeper will be more effective in picking up trash and all other debris due to an improved design and will have greater storage capacity thereby reducing time away from sweeping for dumping purposes. This will allow for more focused efforts on all streets, but particularly arterial streets, many of which Newark has defined as high generation areas. A conservative estimate is that the new sweeper will result in an additional 25 gallons of trash removal from TMA 8.</p>									
Assessment Methods for Control Measures Other than Full Capture Devices									
These additional control measures will be evaluated for effectiveness with visual assessments and compared to initial assessments made prior to development of the Trash Long-Term Reduction Plan and Progress Assessment Strategy. The reduction estimates provided are intended to be very conservative, pending further evaluation.									
Summary of Assessment Results To-date									
No comparative assessments have been completed as yet to confirm the estimates provided for these enhanced control measures.									
					Estimated % Trash Reduction in <u>TMA</u> due to New or Enhanced Post-MRP actions				28
					Estimated % Trash Reduction <u>Jurisdiction-wide</u> due to New or Enhanced Post-MRP actions				1

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		% TMA 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 (Pre-MRP)	0	63	29	7
Trash Full Capture Devices		Summary Descriptions of Full Trash Capture Devices (Quantity and Type)		After taking into account <u>Full Capture Devices</u>	0	46	20	34
Total Area (Acres)	83	Full Trash Captures Devices installed to date includes 42 Connector Pipe Screens by United Stormwater, Inc.						
% of TMA	29							
% of VH/H/M	29							
Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices				After taking into account <u>all New or Enhanced (post-MRP) Control Measures</u>	0	43	18	39
<p><u>On-land Cleanup</u>: Newark has recently expanded its Maintenance Division staff with two new general laborer positions. These positions will allow for increased on-land trash clean-up by staff. The City has also increased its contractual landscape maintenance which will increase arterial street maintenance and trash pick-up capabilities in these areas. The estimated increase in dedicated on-land trash cleanup would, conservatively, result in approximately 225 gallons removed annually from TMA 9.</p> <p><u>Street Sweeping</u>: Newark made a decision prior to the end of FY 13/14 to purchase a new and more efficient street sweeper. This sweeper will be more effective in picking up trash and all other debris due to an improved design and will have greater storage capacity thereby reducing time away from sweeping for dumping purposes. This will allow for more focused efforts on all streets, but particularly arterial streets, many of which Newark has defined as high generation areas. A conservative estimate is that the new sweeper will result in an additional 130 gallons of trash removal from TMA 9.</p>								
Assessment Methods for Control Measures Other than Full Capture Devices								
<p>These additional control measures will be evaluated for effectiveness with visual assessments and compared to initial assessments made prior to development of the Trash Long-Term Reduction Plan and Progress Assessment Strategy. The reduction estimates provided are intended to be very conservative, pending further evaluation.</p>								
Summary of Assessment Results To-date								
No comparative assessments have been completed as yet to confirm the estimates provided for these enhanced control measures.								
Estimated % Trash Reduction in <u>TMA</u> due to New or Enhanced Post-MRP actions					34			
Estimated % Trash Reduction <u>Jurisdiction-wide</u> due to New or Enhanced Post-MRP actions					6			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		% TMA in Each Trash Generation Category			
					VH	H	M	L
10	1029	Pedestrians, vehicles, some container management issues	Plastic/foil wrappers, plastic bottles, polystyrene, paper, cigarettes	Baseline Generation (Pre-MRP)	0	7	23	70
Trash Full Capture Devices		Summary Descriptions of Full Trash Capture Devices (Quantity and Type)		After taking into account <u>Full Capture Devices</u>	0	6	22	72
Total Area (Acres)	27	Full Trash Captures Devices installed to date includes 20 Connector Pipe Screens by United Stormwater, Inc.						
% of TMA	3							
% of VH/H/M	7							
Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices				After taking into account <u>all New or Enhanced (post-MRP) Control Measures</u>	0	5	18	77
<p><u>On-land Cleanup</u>: Newark has recently expanded its Maintenance Division staff with two new general laborer positions. These positions will allow for increased on-land trash clean-up by staff. The City has also increased its contractual landscape maintenance which will increase arterial street maintenance and trash pick-up capabilities in these areas. The estimated increase in dedicated on-land trash cleanup would, conservatively, result in approximately 151 gallons removed annually from TMA 10.</p> <p><u>Street Sweeping</u>: Newark made a decision prior to the end of FY 13/14 to purchase a new and more efficient street sweeper. This sweeper will be more effective in picking up trash and all other debris due to an improved design and will have greater storage capacity thereby reducing time away from sweeping for dumping purposes. This will allow for more focused efforts on all streets, but particularly arterial streets, many of which Newark has defined as high generation areas. A conservative estimate is that the new sweeper will result in an additional 87 gallons of trash removal from TMA 10.</p>								
Assessment Methods for Control Measures Other than Full Capture Devices								
<p>These additional control measures will be evaluated for effectiveness with visual assessments and compared to initial assessments made prior to development of the Trash Long-Term Reduction Plan and Progress Assessment Strategy. The reduction estimates provided are intended to be very conservative, pending further evaluation.</p>								
Summary of Assessment Results To-date								
No comparative assessments have been completed as yet to confirm the estimates provided for these enhanced control measures.								
Estimated % Trash Reduction in <u>TMA</u> due to New or Enhanced Post-MRP actions					18			
Estimated % Trash Reduction <u>Jurisdiction-wide</u> due to New or Enhanced Post-MRP actions					2			

**C.10.d ► PART C – Estimated Overall Trash Load Reduction**

As of June 30, 2014, it is estimated that the City of Newark’s overall trash reduction is 42%. This was achieved primarily due to the installation of 245 trash full capture devices over 514 acres which accounted for approximately 32% 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 utilized the jurisdiction-wide 4% reduction for the Countywide plastic bag ban. The other control measures identified include Street Sweeping modifications (2%) and On-Land Trash Clean-Ups (3%) for an additional estimated 5% overall reduction. The creek/shoreline clean-ups of hot spot areas is based on actual field data and has been averaged out over the first 4 years, with the first year eliminated due to the accumulation of larger debris elements that were removed in the first year. The 1% estimate is based on the actual average volume of material removed over the last 3 years.

**Discussion of Trash Reduction Estimate:**  
 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. 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. 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. The creek/shoreline reduction was based on actual data from hot spot clean-up areas.

Estimated % Trash Reduction due to Jurisdictional-wide Actions	4
Estimated % Trash Reduction due to Trash Full Capture Devices (All TMAs)	32
Estimated % Trash Reduction due to Other Control Measures (All TMAs)	5
<b>SubTotal for Above Actions</b>	<b>41</b>
Estimated % Trash Reduction due to Creek/Shoreline Cleanups (All TMAs)	1
<b>Total Estimated % Trash Reduction in FY 13-14</b>	<b>42</b>

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 13-14 Annual Report for a summary of countywide recycling efforts.

The City of Newark now contracts with Republic Services (formerly Allied 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. Public Works staff in the City of Newark plan to provide additional outreach on the City website in the near future.

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 ACCWP FY 13-14 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 ACCWP and regional accomplishments for these sub-provisions are included within the C.11 Mercury Controls section of Program's FY 13-14 Annual Report, and the March 2014 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 13-14 ACCWP Annual Report for a description of PCB related training.

**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 13-14 Annual Report, and the March 2014 Integrated Monitoring Report.

Permittee Name: \_\_\_\_\_

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 again 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 essential training related to the use of copper and are instructed to forward any applications proposing the use of architectural copper to the Engineering Division.

**C.13.c ▶ Vehicle Brake Pads**

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

Summary

During FY 13-14, we participated in implementation of the California Brake Friction Material Law through contributions to the countywide Program, BASMAA and CASQA. For additional information, see the C.13 Copper Controls section of Program's FY 13-14 Annual Report.

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

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

Summary

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

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

Note: There are no reporting requirements in the FY 13-14 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 <b>No</b> , skip to C.15.b.vi.(2):				
If <b>Yes</b> , Complete the attached reporting tables or attach your own table with the same information. Provide any clarifying comments below.				
Comments:				

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

<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"> <li>• Promote conservation programs</li> <li>• Promote outreach for less toxic pest control and landscape management</li> <li>• Promote use of drought tolerant and native vegetation</li> <li>• Promote outreach messages to encourage appropriate watering/irrigation practices</li> <li>• Implement Illicit Discharge Enforcement Response Plan for ongoing, large volume landscape irrigation runoff.</li> </ul>
<p>Summary:</p> <p>A summary of the Alameda Countywide Clean Water Program’s effort to promote the use of less-toxic pest management and the use of drought tolerant and native vegetation is included within the C.7 Public Information and Outreach section of the Countywide Program’s FY 12-13 Annual Report.</p> <p>The City of Newark website provides links to the Countywide Program’s website for informational summaries related to less-toxic pest management and provides information and links related to Bay-Friendly Landscape Practices. The City also enforces the California Model Water Efficient Landscape Ordinance for all new development.</p>

**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*

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**Peggy A Claassen, P.E. 34477**



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**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](http://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.