

CITY OF MOUNTAIN VIEW

Fire Department • Fire and Environmental Protection Division • 500 Castro St. City Hall – 4th Floor • Mountain View, California 94041-2010
PHONE 650-903-6378 • FAX 650-903-6101

September 15, 2015

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

Subject: **City of Mountain View FY 2014-2015 Annual Report**

Dear Mr. Wolfe:

This letter and Annual Report with attachments is submitted by the City of Mountain View pursuant to Permit Provision C.16.a of the Municipal Regional Stormwater NPDES Permit (MRP), Order R2-2009-0074, NPDES Permit No CAS612008 issued by the San Francisco Bay Regional Water Quality Control Board. The Annual Report provides documentation of activities conducted during FY 2014-2015 and consists of the following:

- A. Certification Statement
- B. Annual Report Form
 - Table of Contents
 - Completed Annual Report Form: Sections 1-15
- C. Appendix
 - Table of Contents
 - Appendices

Please contact me at 650-903-6225 if you have questions or concerns.

Sincerely,

Eric Anderson
Environmental Safety Coordinator

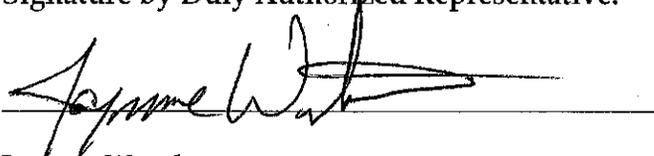
Cc: Mr. Adam Olivieri, SCVURPPP, Program Manager
Ms. Sue Ma, SFRWQCB
FM

CITY OF MOUNTAIN VIEW
FY 2014-2015 ANNUAL REPORT

Certification Statement

"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 ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted, is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature by Duly Authorized Representative:

A handwritten signature in black ink, appearing to read "Jaymae Wentker", is written over a horizontal line.

Jaymae Wentker
Fire Marshal

September 8, 2015

ATTACHMENT B

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Section 1 - Permittee Information

Background Information				
Permittee Name:	City of Mountain View			
Population:	79,378 (estimate form U.S. Census Bureau)			
NPDES Permit No.:	CAS612008			
Order Number:	R2-2009-0074R			
Reporting Time Period (month/year):	July 2014 through June 2015			
Name of the Responsible Authority:	Jaymae Wentker	Title:	Fire Marshal	
Mailing Address:	500 Castro St., City Hall- 4 th Floor			
City:	Mountain View	Zip Code:	94041	County: Santa Clara
Telephone Number:	650-903-6378	Fax Number:	650-962-1430	
E-mail Address:	Jaymae.wentker@mountainview.gov			
Name of the Designated Stormwater Management Program Contact (if different from above):	Eric Anderson	Title:	Environmental Safety Coordinator	
Department:	Fire Department - Fire and Environmental Protection Division			
Mailing Address:	500 Castro St., City Hall- 4 th Floor			
City:	Mountain View	Zip Code:	94041	County: Santa Clara
Telephone Number:	650-903-6225	Fax Number:	650-962-1430	
E-mail Address:	Eric.anderson@mountainview.gov			

Section 2 - Provision C.2 Reporting Municipal Operations

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

Summary:
 During FY 14-15, the City implemented the following: 1) pump station inspection and monitoring; 2) continued implementation of the Municipal Operations Center (Corp Yard) SWPPP; and 3) participation in SCVURPPP's Municipal Operations Ad Hoc Task Group (AHTG) and/or review of AHTG products. Refer to the C.2 Municipal Operations section of SCVURPPP's FY 14-15 Annual Report for a description of activities of the Municipal Operations AHTG and the BASMAA Municipal Operations Committee.

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

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

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

Comments: The City owns and operates equipment, including vacuum equipment and sweepers, which are capable of controlling pollutant sources from street and road repair and maintenance activities. The use of asphalt grinding equipment has minimized the use a saw cutting equipment and cleanup of the slurry that is generated from saw cutting.

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

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

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

Comments:

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

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

NA	Control of discharges from bridge and structural maintenance activities directly over water or into storm drains
Y	Control of discharges from graffiti removal activities
Y	Proper disposal for wastes generated from bridge and structure maintenance and graffiti removal activities
Y	Implementation of the BASMAA Mobile Surface Cleaner Program BMPs for graffiti removal
Y	Employee training on proper capture and disposal methods for wastes generated from bridge and structural maintenance and graffiti removal activities.
NA	Contract specifications requiring proper capture and disposal methods for wastes generated from bridge and structural maintenance and graffiti removal activities.
Comments: City crews do not perform bridge maintenance activities directly over water. Graffiti is either painted or removed by a cleaning product and rag. Graffiti removal does not involve washing operations.	

C.2.d. ► Stormwater Pump Stations

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

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

Complete the following table for dry weather DO monitoring and inspection data for pump stations¹ (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
Shoreline Pump Station (1109 Charleston Road)	8/6/2014	4.3	9/10/2014	4.7
Crittenden Pump Station ((2100 Crittenden Lane)	8/6/2014	5.1	9/10/2014	4.2
High Level Ditch (Service road B/w Crittenden Landfill site and Golf Course Clubhouse)	8/6/2014	4.4	9/10/2014	3.9
Amphitheatre Pump Station (1780 Amphitheatre Parkway)	8/6/2014	5.2	9/10/2014	4.3
Coast-Casey Pump Station (2600 Terminal Avenue)	8/6/2014	5.1	9/10/2014	4.0

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

Summarize corrective actions as needed for DO monitoring at or below 3 mg/L. Attach inspection records of additional DO monitoring for corrective actions: All DO monitoring results were above the 3.0 mg/L target level. A minor rain event occurred the morning of 8/6/2014. The rain event did not generate runoff flow into storm drains and did not register a reading at the SCVWD rain gage in Mountain View.

Summary: The City conducted dissolved oxygen (DO) monitoring at all 5 pump stations on August 6, 2014 and September 10, 2014. The samples were collected in accordance with the SCVURPPP Sampling Plan Guidance for Dry Weather Pump Station Discharges and Wet Season Inspections (November 2010). All DO monitoring results conducted in FY 14-15 were above the 3.0 mg/L lower limit. Pump station monitoring data collection sheets are available upon request.

Two wet weather inspections were conducted at each pump station during FY 14-15 and the results are provided in the table below. Minimal trash and turbidity was observed at the pump stations, and maintenance/cleaning of the screens and wells associated with the pump stations was conducted. Wet weather data collection forms are available upon request. The FY 14-15 rainy season did not generate many significant storms.

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)
1) Shoreline Pump Station (1109 Charleston Road)	12/4/2014	0	No	No	No	No
2) Shoreline Pump Station (1109 Charleston Road)	5/15/2015	0	No	No	Yes -slight	No
1) Crittenden Pump Station ((2100 Crittenden Ln)	12/4/2014	<1	No	No	Yes- slight	No
2) Crittenden Pump Station ((2100 Crittenden Ln)	5/15/2015	<1	No	No	No	No
1) High Level Ditch (Service road b/w Crittenden Landfill site and Golf Course Clubhouse)	12/4/2014	0	No	No	Yes - slight	No
2) High Level Ditch (Service road b/w Crittenden Landfill site and Golf Course Clubhouse)	5/15/2015	0	No	No	Yes - slight	No
1) Amphitheatre Pump Station (1780 Amphitheatre Pkwy)	12/4/2014	<1	No	No	Yes-slight	No
2) Amphitheatre Pump Station (1780 Amphitheatre Pkwy)	5/15/2015	1	No	No	No	No
1) Coast-Casey Pump Station (2600 Terminal Ave)	12/4/2014	0	No	Yes -slight	Yes-slight	No
2) Coast-Casey Pump Station (2600 Terminal Ave)	5/15/2015	0	No	Yes slight	Yes - slight	No

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

² 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.

C.2.f. ► Corporation Yard BMP Implementation			
Place an X in the boxes below that apply to your corporations yard(s):			
<input type="checkbox"/>	We do not have a corporation yard		
<input type="checkbox"/>	Our corporation yard is a filed NOI facility and regulated by the California State Industrial Stormwater NPDES General Permit		
<input checked="" type="checkbox"/>	We have a Stormwater Pollution Prevention Plan (SWPPP) for the Corporation Yard(s)		
Place an X in the boxes below next to implemented SWPPP BMPs to indicate that these BMPs were implemented in applicable instances. If not applicable, type NA in the box. If one or more of the BMPs were not adequately implemented during the reporting fiscal year then indicate so and explain in the comments section below:			
<input checked="" type="checkbox"/>	Control of pollutant discharges to storm drains such as wash waters from cleaning vehicles and equipment		
<input checked="" type="checkbox"/>	Routine inspection prior to the rainy seasons of corporation yard(s) to ensure non-stormwater discharges have not entered the storm drain system		
<input checked="" type="checkbox"/>	Containment of all vehicle and equipment wash areas through plumbing to sanitary or another collection method		
<input checked="" type="checkbox"/>	Use of dry cleanup methods when cleaning debris and spills from corporation yard(s) or collection of all wash water and disposing of wash water to sanitary or other location where it does not impact surface or groundwater when wet cleanup methods are used		
<input checked="" type="checkbox"/>	Cover and/or berm outdoor storage areas containing waste pollutants		
Comments: The City has a SWPPP for its MOC. Although the MOC is exempt from the Industrial General Permit, the City has contracted a consultant to perform SWPPP inspections and site evaluations.			
If you have a corporation yard(s) that is not an NOI facility, complete the following table for inspection results for your corporation yard(s) or attach a summary including the following information:			
Corporation Yard Name	Inspection Date (1x/year required)	Inspection Findings/Results	Follow-up Actions
Municipal Operations Center (MOC)	9/18/2014	Dry Weather Inspection - No unauthorized discharges to storm water conveyance systems were observed. Storm water pathways appear clear. Good housekeeping practices of outdoor storage areas were observed throughout the site. Covered Storage Area and sludge drying containment area appeared recently swept and in good order. One open five-gallon container labeled <i>Tree Crew 50:1 Mix</i> was observed on the asphalt pavement outside and next to the Hazardous Material Storage Area with no evidence of spills. Metal storage bin at loading dock was approximately 1/2-full; lids were closed on other refuse bins throughout the site. Area around the bermed	None at this time

		car wash appeared dry. Areas around storm water drains appeared clear and protection was in place at catch basins next to Hazardous Material Storage Area and Covered Storage Area. Catch basin at the loading dock equipped with a sock. Leaves were observed along the paved northern area immediately outside MOC administration building. "No Dumping" stamps not observed on the three catch basins located north of Hazardous Material Storage Area and east of unpaved equipment parking area.	
Municipal Operations Center (MOC)	10/31/2014 12/2/2014 2/6/2015 5/14/2015	Wet Weather Inspections - Light oil slick and some foam observed in some catch basins - No significant issues identified.	N/A

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 Program’s FY 14-15 Annual Report includes a description of program and regional activities.

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

Fill in attached table C.3.b.v.(1) or attach your own table including the same information.
 The regulated projects approved by the City during FY 14-15 are summarized in Parts 1 and 2 of Table C.3.b.v.(1) below.

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

(For FY 11-12 Annual Report and each Annual Report thereafter)
 Is your agency choosing to require 100% LID treatment onsite for all Regulated Projects and not allow alternative compliance under Provision C.3.e.?

	Yes	X	No
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Comments (optional):

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)?	X	Yes	No
2. Has your agency granted final discretionary approval of a project identified as a Special Project in the March 15, 2015 report? If yes, include the project in both the C.3.b.v.(1) Table, and the C.3.e.vi. Table.	X	Yes	No
If you answered "Yes" to either question, <ol style="list-style-type: none"> 1) Updated Special Projects status information is provided in Table C.3.e.vi below. 2) Narrative discussions of 100% LID Feasibility or Infeasibility for each project are included in Appendix 3-1. 			

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.
(2) On an annual basis, provide a discussion of the inspection findings for the year and any common problems encountered with various types of treatment systems and/or HM controls. This discussion should include a general comparison to the inspection findings from the previous year.
<p>Summary:</p> <p>The list of installed stormwater treatment system O&M verification inspections conducted in FY 14-15 is provided in Table C.3.h.iv below. The Permit requires permittees to provide a list of all newly installed BMPs to vector controls agencies on an annual basis before the wet season, i.e. October 1. SCVURPPP will submit the table to the Santa Clara County Vector Control District to fulfill this requirement. The facility name, address, responsible party, and type of treatment/HM control will be provided for all BMPs installed during this fiscal year.</p> <p>Five stormwater treatment control facilities have been constructed in Mountain View with pumping stations which collect the runoff and direct the water to the treatment control. During the only significant storm in FY 14-15, City staff inspected all of the systems with pump stations and observed that the pumps for 2 of the 5 systems had failed. Notice was provided to the property managers for those locations and the pumps were returned to service. The City will continue to inspect the pump stations during rain events to confirm that the pumps are activated. The most common problem identified during inspections was vault systems needing pump out maintenance.</p>

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

Summary:
 During FY 14-15, the City continued implementation of its BMP O&M verification inspection program. Three inspectors from the Fire and Environmental Protection Division participated in stormwater training to inspect treatment BMPs. All 3 inspectors conduct construction inspections and are also performing BMP installation inspections. The City will evaluate processes for improved tracking of maintenance activities and records for installed systems.

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

• Inspect all newly installed stormwater treatment systems and HM controls within 45 days of installation?	X	Yes		No		Not applicable. No new facilities were installed.
• Inspect at least 20 percent of the total number of installed stormwater treatment systems or HM controls? ¹	X	Yes		No		Not applicable. No treatment measures
• Inspect at least 20 percent of the total number of installed vault-based systems?	X	Yes		No		Not applicable. No vault systems.

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

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

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

Summary:

- BASMAA prepared standard specifications in four fact sheets regarding the site design measures listed in Provision C.3.i, as a resource for Permittees. We have modified local ordinances/policies/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.
- During FY 14-15, the City continued to implement the requirement for site design measures for small projects and detached single family homes. Implementation is performed by evaluating planning applications to determine if the requirement is applicable, then including the “site design measures” condition of this project. The building plan review and inspection process is used to verify that the site design measures are included in the plans.

¹ 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 ² , Street Address	Name of Developer	Project Phase No. ³	Project Type & Description ⁴	Project Watershed ⁵	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft ²) ⁶	Total Replaced Impervious Surface Area (ft ²) ⁷	Total Pre- Project Impervious Surface Area ⁸ (ft ²)	Total Post- Project Impervious Surface Area ⁹ (ft ²)
Private Projects											
Manzanita East	1616 W. El Camino Real	Prometheus	2 of 2	66-unit apartment building - phase II	Permanente Creek	0.96	0.96	0	29,091	34,403	29,091
Avellino II	129 Ada Avenue	TriPointe Homes	2 of 2	Additional 4 homes	Permanente Creek	0.5	0.5	0	11,277	15,739	11,277
Google Green Loop	1015 Joaquin Rd.	Google	2 of 2	Bike and pedestrian path	Detention basin and Stevens Creek	1.5	1.5	0	24,743	28,355	24,743
Prometheus Moffett	100 Moffett Blvd.	Prometheus	1 of 1	Apartment Bldg. with UG parking.	Stevens Creek	2.89	2.89	0	90,642	107,135	90,642
Classics at Oro Loma	1946 San Luis Avenue	Classic Communities	1 of 1	28 unit Townhome development	Coast-Casey Detention	1.61	1.61	0	48,083	50,775	48,083
Google - SAS	250 Mayfield Avenue	Four Corners Properties	1 of 1	Building and parking lot improvements.	Coast-Casey Detention	5.19	2.37	0	48,912	201,843	152,969
Medical Office	412 W. El Camino Real	MPVCA Mountain View, LLC	1 of 1	New medical office building	Stevens Creek	0.67	0.67	0	23,873	28,308	23,873
Guild 33	1941 Colony St.	William Lyons Homes	1 of 1	33 unit rowhouse project.	Coast-Casey Detention	1.8	1.8	0	63,218	63,296	63,218
Synopsis Rec Yard	690 Middlefield Rd.	Synopsis	1 of 1	Parking and outdoor recreation	Stevens Creek	2.6	2.6	17,578	13,715	13,715	31,293
Intuit Campus	2600 Marine Way	Intuit	1 of 1	New office and parking garage.	Coast Casey Detention basin	4.26	4.26	0	127,573	140,861	127,573

² Include cross streets

³ 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".

⁴ 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.

⁵ State the watershed(s) in which the Regulated Project is located. Downstream watershed(s) may be included, but this is optional.

⁶ All impervious surfaces added to any area of the site that was previously existing pervious surface.

⁷ All impervious surfaces added to any area of the site that was previously existing impervious surface.

⁸ For redevelopment projects, state the pre-project impervious surface area.

⁹For 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 ² , Street Address	Name of Developer	Project Phase No. ³	Project Type & Description ⁴	Project Watershed ⁵	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft ²) ⁶	Total Replaced Impervious Surface Area (ft ²) ⁷	Total Pre- Project Impervious Surface Area ⁸ (ft ²)	Total Post- Project Impervious Surface Area ⁹ (ft ²)
Domain Mtn View	1984 W. El Camino Real	UDR	1 of 1	Mixed use building on podium with UG parking.	Permanente Creek	2.86	2.86	0	93,800	108,500	93,800
Marriott Addition	1740 W. El Camino Real	Marriott	1 of 1	Addition to existing hotel	Permanente	3.2	0.44	0	13,301	103,202	103,202
620 National Office	620 National Avenue	The Nicholson Company	1 of 1	Office building and parking structure	Stevens Creek	4.83	4.83	0	158,169	197,198	158,169

Public Projects - No C.3 regulated public projects during FY 14-15.

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 ¹⁰	Application Final Approval Date ¹¹	Source Control Measures ¹²	Site Design Measures ¹³	Treatment Systems Approved ¹⁴	Type of Operation & Maintenance Responsibility Mechanism ¹⁵	Hydraulic Sizing Criteria ¹⁶	Alternative Compliance Measures ^{17/18}	Alternative Certification ¹⁹	HM Controls ^{20/21}
Private Projects										
Manzanita East	11/27/2013	3/8/2014 (Bldg plan approved 7/24/2014)	UG parking, covered trash, drain pool and fire sprinklers to sewer.	Reduced impervious area. Underground parking.	Biotreatment	O&M Agreement	Combination flow and volume - C.3.d.i.(3)	NA	No	Exempt - reduced impervious area and drain to hardened channel.
Avellino II	2/14/2014	4/8/2014 (Bldg plan approved 8/19/2014)	Efficient irrigation. Sweeping/ Maintenance.	Reduced impervious area. Disconnected downspouts.	Biotreatment	O&M Agreement	Combination flow and volume - C.3.d.i.(3)	NA	No	Exempt - drainage catchment >65% impervious.
Google Green Loop - phase 2	5/7/2014	5/28/2014 (Bldg plan approved 8/19/2014)	Covered trash enclosures and efficient irrigation.	Reduced impervious area.	Biotreatment	O&M Agreement	Flow - C.3.d.i.(2).c	NA	No	Exempt - reduced impervious area and drains to detention then tidally influenced receiving water

¹⁰ For private projects, state project application deemed complete date. If the project did not go through discretionary review, report the building permit issuance date.

¹¹For private projects, state project application final discretionary approval date. If the project did not go through discretionary review, report the building permit issuance date.

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

¹³List 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.

¹⁴ 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.).

¹⁵ 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.

¹⁶ 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).

¹⁷ 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.

¹⁸ 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.

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

²⁰ If HM control is not required, state why not.

²¹ 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 ¹⁰	Application Final Approval Date ¹¹	Source Control Measures ¹²	Site Design Measures ¹³	Treatment Systems Approved ¹⁴	Type of Operation & Maintenance Responsibility Mechanism ¹⁵	Hydraulic Sizing Criteria ¹⁶	Alternative Compliance Measures ^{17/18}	Alternative Certification ¹⁹	HM Controls ^{20/21}
Prometheus - 100 Moffett	11/4/2013	12/10/2013 (Bldg. plan approved 9/11/2014)	UG parking, covered trash, drain pool and fire sprinklers to sewer.	Reduced impervious area. Underground parking.	Biotreatment and Media filtration	O&M Agreement	Flow - C.3.d.i.(2).c	NA	Yes	Exempt - reduced impervious and < 1 acre.
Classics at Oro Loma	3/23/2014	5/13/2014 (Bldg Plan approved 9/24/2014)	Efficient irrigation. Sweeping/ maintenance.	Reduced impervious area.	Biotreatment	O&M Agreement	Combination flow and volume - C.3.d.i.(3)	NA	No	Exempt - reduced impervious
Google SAS	10/10/2014	10/22/2014 (Bldg plan approved 10/7/2014)	Covered trash enclosure. Efficient irrigation.	Reduced impervious area.	Biotreatment	O&M Agreement	Combination flow and volume - C.3.d.i.(3)	NA	No	Exempt - reduced impervious
Medical office	5/7/2014	5/28/2014 (bldg. plan approved 12/4/2014)	Covered trash enclosure. Efficient irrigation.	Reduced impervious area.	Biotreatment	O&M Agreement	Flow - C.3.d.i.(2).c	NA	No	Exempt - < 1 acre impervious.
Guild 33	8/15/2013	11/19/2013 (Bldg plan approved 1/9/2015)	Efficient irrigation. Sweeping/ maintenance.	Reduced impervious area.	Biotreatment	O&M Agreement	Combination flow and volume - C.3.d.i.(3)	NA	No	Exempt - reduced impervious area.
Synopsis Recreation and Parking	10/8/2014	11/25/2014 (Building plan approved 1/13/15)	Covered trash enclosure. Efficient irrigation.	Impervious walkway.	Biotreatment	O&M Agreement	Combination flow and volume - C.3.d.i.(3)	NA	No	Exempt - less than 1 acre.
Intuit	4/14/2014	6/10/2014 (Building	UG parking, covered	Reduced impervious	Biotreatment	O&M Agreement	Combination flow and volume -	NA	No	Exempt - reduced

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 ¹⁰	Application Final Approval Date ¹¹	Source Control Measures ¹²	Site Design Measures ¹³	Treatment Systems Approved ¹⁴	Type of Operation & Maintenance Responsibility Mechanism ¹⁵	Hydraulic Sizing Criteria ¹⁶	Alternative Compliance Measures ^{17/18}	Alternative Certification ¹⁹	HM Controls ^{20/21}
		plan approved 1/26/2015)	trash, drain fire sprinklers to sewer.	area. Underground parking.			C.3.d.i.(3)			impervious area.
Domain	5/3/2013	11/12/2013 (Building plan approved 4/6/2015)	UG parking, covered trash, drain pool and fire sprinklers to sewer.	Reduced impervious area. Underground parking.	Biotreatment	O&M Agreement	Combination flow and volume - C.3.d.i.(3)	NA	Yes	Exempt - drains to hardened channel and decreased impervious area.
Marriott Hotel Addition	12/11/2013	1/22/2014 (Building plan approved 5/4/2015)	Covered trash enclosure. Efficient irrigation.	Disconnected downspouts.	Biotreatment	O&M Agreement	Combination flow and volume - C.3.d.i.(3) Flow - C.3.d.i.(2).c	NA	No	Exempt - less than 1 acre/
620 National - Office Building	3/23/2014	5/13/2014 (Building plan approved 6/24/2015)	Efficient irrigation. Parking garage. Equipment drain to sanitary sewer.	Reduced impervious area. Parking garage.	Biotreatment	O&M Agreement	Flow - C.3.d.i.(2).c	NA	Yes	Exempt - reduced impervious

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 ²²	Date Construction Scheduled to Begin	Source Control Measures ²³	Site Design Measures ²⁴	Treatment Systems Approved ²⁵	Operation & Maintenance Responsibility Mechanism ²⁶	Hydraulic Sizing Criteria ²⁷	Alternative Compliance Measures ^{28/29}	Alternative Certification ³⁰	HM Controls ^{31/32}
Public Projects - No C.3 regulated public projects during FY 14-15.										

²² For public projects, enter the plans and specifications approval date.

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

²⁴List 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.

²⁵ 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.).

²⁶ 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.

²⁷ 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).

²⁸ 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.

²⁹ 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.

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

³¹ If HM control is not required, state why not.

³² 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

Fill in table below or attach your own table including the same information. The Permit requires permittees to provide a list of all newly installed treatment measures and HM controls to vector control agencies on an annual basis before the wet season, i.e., October 1. SCVURPPP will submit these tables to vector control agencies to fulfill this requirement. The facility name, address, responsible party and type of treatment/HM control should be provided for all facilities installed during this fiscal year.

Name of Facility/Site Inspected	Address of Facility/Site Inspected	Newly Installed? (YES/NO) ³³	Party Responsible ³⁴ For Maintenance	Date of Inspection	Type of Inspection ³⁵	Type of Treatment/HM Control(s) Inspected ³⁶	Inspection Findings or Results ³⁷	Enforcement Action Taken ³⁸	Comments/Follow-up
San Antonio Center	405 San Antonio	No	Owner	7/18/2014	Routine	Media filtration Biotreatment	Media filter systems looked clean.	None	NA
CMV Senior Center	226 Escuela	No	City of Mountain View	8/14/2014	Routine	Hydrodynamic Separators	Small amount of trash. System pumped out. May change to annual maintenance frequency.	None	NA
Marilyn Dr.	1079 Marilyn	No	City of Mountain View	8/14/2014	Routine	Media filtration system	Heavy leaves and small amount of trash. Filters okay. Chamber pumped out.	None	NA
Miramonte/Rincon	1136 Miramonte	No	City of Mountain View	8/14/2014	Routine	Hydrodynamic Separator	Heavy leaves and moderate trash. System pumped out.	None	NA
Classics at Old Town	365 Villa	Yes	HOA	8/19/2014	45-day	Biotreatment	Biotreatment facilities, including planting and soil are completed. Permit card signed off.	None	NA
Office - 1987 Leghorn	1987 Leghorn	Yes	Property Owner	8/15/2014	45-day	Biotreatment	Biotreatment facilities, including planting and soil are completed. Permit card signed off.	None	NA
Mondrian	505 E. Evelyn Ave.	No	HOA	9/9/2014	Follow-up	Hydrodynamic Separator	CDS system is pumped and clean.	None	NA
Office bldg. - 340 E. Middlefield	340 E. Middlefield	No	Owner	12/3/2014	Routine	Biotreatment	Inspected during storm event and confirmed pump station operating.	None	NA
Omnicell	590 E. Middlefield	No	Property Manager	12/3/2014	Routine	Vegetated swale	Inspected during storm event. Pump station did not activate.	Written notice requiring repairs to the pump station.	Pump station returned to service.
Technology Center	331 Fairchild Dr.	No	Owner	12/3/2015	Routine	Vegetated swale	Inspected during storm event and confirmed pump station operating.	None	NA
Synopsis	690 E. Middlefield	No	Owner	12/2/2014	Routine	Vegetated swale	Inspected during storm event and	None	NA

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

³⁴ State the responsible operator for installed stormwater treatment systems and HM controls.

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

³⁶ 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.

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

³⁸ 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

Fill in table below or attach your own table including the same information. The Permit requires permittees to provide a list of all newly installed treatment measures and HM controls to vector control agencies on an annual basis before the wet season, i.e., October 1. SCVURPPP will submit these tables to vector control agencies to fulfill this requirement. The facility name, address, responsible party and type of treatment/HM control should be provided for all facilities installed during this fiscal year.

Name of Facility/Site Inspected	Address of Facility/Site Inspected	Newly Installed? (YES/NO) ³³	Party Responsible ³⁴ For Maintenance	Date of Inspection	Type of Inspection ³⁵	Type of Treatment/HM Control(s) Inspected ³⁶	Inspection Findings or Results ³⁷	Enforcement Action Taken ³⁸	Comments/Follow-up
							confirmed pump station operating.		
Office - 675 E. Middlefield	675 E. Middlefield	No	Property Manager	12/2/2014	Routine	Biotreatment	Inspected during storm event and confirmed pump station operating.	None	NA
Dialysis Center	247 E. El Camino Real	No	Owner/Manager	12/2/2014	Routine	Biotreatment	Inspected during storm event. Pump station did not activate.	Written notice requiring repairs to the pump station.	Pump station returned to service.
Samsung	625 Clyde Avenue	Yes	Owner	2/6/2015	45-day	Biotreatment	Biotreatment facilities, including planting and soil are completed. Confirmed pump station installation. Permit card signed off.	None	NA
Google Green Loop	1010 Joaquin Avenue	Yes	Owner	3/2/2015	45-day	Biotreatment	Biotreatment facilities, including planting and soil are completed. Permit card signed off.	None	NA
Synopsis - Rec Yard	690 E. Middlefield	Yes	Owner	3/10/2015	45-day	Biotreatment	Biotreatment facilities, including planting and soil are completed. Permit card signed off.	None	NA
North Park Apts	111 N. Rengstorff	Yes	Midpen Housing Management Company	3/24/2015	45-day	Biotreatment	Biotreatment facilities, including planting and soil are completed. Permeable concrete installed. Permit card signed off.	None	NA
Office - 250 Bryant	250 Bryant	Yes		4/2/2015	45-day	Biotreatment	Biotreatment facilities, including planting and soil are completed.	None	NA
ROEM - Rengstorff	819 N. Rengstorff	Yes	Owner	4/20/2015	45-day	Biotreatment	Biotreatment facilities, including planting and soil are completed. Permit card signed off.	None	NA
Google - 100 Mayfield	100 Mayfield Avenue	Yes	Owner	4/27/2015	45-day	Biotreatment	Biotreatment facilities, including planting and soil are completed. Permit card signed off.	None	NA
St. Francis HS Gym	1885 Miramonte Avenue	Yes	SFHS	5/1/2015	45-day	Biotreatment	Biotreatment facilities, including planting and soil are completed. Confirmed pump station installation. Permit card signed off.	None	NA
Sobrato Office	1255 Pear Avenue	Yes	Owner	5/5/2015	45-day	Biotreatment	Biotreatment facilities, including planting and soil are completed.	None	NA

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

Fill in table below or attach your own table including the same information. The Permit requires permittees to provide a list of all newly installed treatment measures and HM controls to vector control agencies on an annual basis before the wet season, i.e., October 1. SCVURPPP will submit these tables to vector control agencies to fulfill this requirement. The facility name, address, responsible party and type of treatment/HM control should be provided for all facilities installed during this fiscal year.

Name of Facility/Site Inspected	Address of Facility/Site Inspected	Newly Installed? (YES/NO) ³³	Party Responsible ³⁴ For Maintenance	Date of Inspection	Type of Inspection ³⁵	Type of Treatment/HM Control(s) Inspected ³⁶	Inspection Findings or Results ³⁷	Enforcement Action Taken ³⁸	Comments/Follow-up
							Permit card signed off.		
Google - 250 Mayfield	250 Mayfield Avenue	Yes	Owner	5/14/2015	45-day	Biotreatment	Biotreatment facilities, including planting and soil are completed. Permit card signed off.	None	NA
Summerhill Apts.	2650 El Camino Real	Yes	Owner/Manager	5/29/2015	45-day	Biotreatment	Biotreatment facilities, including planting and soil are completed.	None	NA
West Dana Place	125 West Dana	No	Property Manager	6/29/2015	Routine	Hydrodynamic Separator	Minor trash observed.	Verbal Warning	Recommend maintenance. Scheduled for Sept. 2015.
Mondrian	505 Evelyn Avenue	No	Property Manager	6/29/2015	Routine	Hydrodynamic Separator	Moderate trash observed.	Verbal Warning	Maintenance completed
Clyde Business Park	625 Clyde Avenue	No	Property Manager	6/29/2015	Routine	Hydrodynamic Separator	No visible/apparent problems	None	System looked good.
Pear Avenue Center	1380 Pear Avenue	No	Property Manager	6/29/2015	Routine	Hydrodynamic Separator Vegetated swale	No problems identified with the swale. Unable to access the CDS unit because of parked cars.	Verbal warning	Requiring maintenance of the CDS. Confirmed maintenance completed - July 2015
Sierra Greens	276 Sierra Vista	No	Property Manager	6/29/2015	Routine	Hydrodynamic Separator	Moderate trash observed	Verbal Warning	Recommend maintenance. Confirmed maintenance completed - August 2015.
Shoreline Technology Park	2019 Stierlin Ct.	No	Owner	6/29/2015	Routine	Biotreatment	No problems identified. Health vegetation.	None	NA
KFC/ LJS	2603 Charleston Rd.	No	Property Manager	6/29/2015	Routine	Biotreatment	No problems identified.	None	NA

C.3.e.vi.Special Projects Reporting Table												
Reporting Period -January1 - June 30, 2013												
Project Name & No.	Permittee	Address	Application Submittal Date ³⁹	Status ⁴⁰	Description ⁴¹	Site Total Acreage	Density DU/Acre	Density FAR	Special Project Category ⁴²	LID Treatment Reduction Credit Available ⁴³	List of LID Stormwater Treatment Systems ⁴⁴	List of Non-LID Stormwater Treatment Systems ⁴⁵
Pillar Group Apartments	Mountain View	250-608 San Antonio Road	Informal application submitted on June 6, 2015	Formal application has not been submitted.	Mixed use project for 605 unit apartment complex with 9,200 sq. ft. of commercial space constructed on a podium with underground parking.	5.7	106	NA	Category C: Location: w/in ½ mile Density: >100 du/acre Parking: no surface parking	Category C: Location: 25% Density: 30% Parking: 20% 75% total	Biotreatment will be incorporated and the percentage is undetermined at this time.	Media filtration will be incorporated and the percentage is undetermined at this time.
EFL Development	Mountain View	500 Ferguson	4/15/2015	Planning approval on June 16, 2015	Residential project for 400 apartment units constructed on a podium with underground parking.	7.8	51	NA	Category C: Location: w/in 1/4 mile Density: >30 du/acre Parking: >10% at-grade surface parking	Category C: Location: 50% Density: 10% Parking: 10% 70% total	Biotreatment will be incorporated and the percentage is undetermined at this time.	Media filtration will be incorporated and the percentage is undetermined at this time.

³⁹ Date that a planning application for the Special Project was submitted.

⁴⁰ 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.

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

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

⁴³For 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.

⁴⁴ 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.

⁴⁵ 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.

During FY 14-15, the City completed the following: 1) reviewed MRP requirements and updated business plans, facilities lists, and inspection frequencies and priorities; 2) conducted inspections; 3) participated in training; 4) participated in SCVURPPP's IND/IDDE Ad Hoc Task Group (AHTG) and reviewed AHTG products. Refer to the C.4. Industrial and Commercial Site Controls section of the SCVURPPP's FY 14-15 Annual Report for a description of activities of the IND/IDDE AHTG and the BASMAA Municipal Operations Committee.

During FY 14-15, the City conducted its Industrial/Commercial inspection program. The data listed in the tables below summarize the violations that were observed and the types of enforcement actions completed. All of the violations noted during industrial/commercial inspections were potential discharge violations, and corrective actions were issued to address those potential discharge violations and prevent releases. All enforcement actions were Level 1 enforcement actions, which are actions that were documented on an inspection notice, including a corrective action. City inspectors also responded to complaints of actual discharge violations at industrial/commercial facilities during FY 14-15, and those incidents and responses are included in Section 5 (IDDE) of this report. There were no Level 4 enforcement actions, which are Citations or referrals to the Santa Clara County District Attorney or the Regional Water Quality Control Board. Common violations that were observed during FY 14-15 were similar to the types of violations observed in FY 13-14. These violations include minor leaks or spills, housekeeping (trash), open dumpster lids, lack of secondary containment, and administrative requirements (provide hauling records or training documents). Violations that took more than 10 days to correct were administrative in nature or were often violations that necessitated new or exchanged equipment (i.e. new secondary containment or an exchanged dumpster).

The business categories that account for most of the City's inspection program are "Automotive" and "Food Service." During FY 14-15, City inspectors conducted 189 automotive facility inspections at 188 automotive facilities, compared with 183 inspections in FY 13-14. The number of inspections at automotive facilities is relatively consistent year to year, assuming adequate staffing levels. City inspectors also conducted 208 food service facility inspections at 158 food service facilities, compared with 264 food service facility inspections at 96 food service facilities conducted in FY 13-14. The increase in food service facilities inspected (but less total inspections) was due to facilities having less reoccurring violations and improved inspector efficiencies. The modest increase in number of inspections is also due to urban run-off/stormwater re-inspections being conducted within 10-business days after the violations have been identified and re-inspections for fire code violations are typically conducted within 30-days of the violations being identified. The differential between required re-inspection timelines for stormwater violations and fire code violations typically results in multiple re-inspections being conducted at food service facilities. The City continues to inspect the food service facilities in commercial office campuses to determine appropriate inspection frequency and dumpster area conditions for such facilities. Other types of facilities inspected include: electronics manufacturing, laboratories, dental facilities, machine shops, paint retailers, contractors, dry cleaners, corporation yards, etc., and hospital/ healthcare facilities.

During FY 14-15, the City continued to update its business inspection list to include categories that may have not been on past inspection lists, but were required in the MRP. During FY 14-15, the City continued to inspect many businesses required to be inspected by the MRP, but were determined to have no outdoor exposures and therefore will be removed from the inspection schedule. The City will continue to evaluate new and existing businesses to refine the business inspection list. The potential facilities list and the list of facilities scheduled for inspection are included with this report as Appendix 4-1.

City staff participated in the SCVURPPP IND AHTG. Refer to Section the C.4. Industrial and Commercial Site Controls of SCVURPPP's FY 14-15 Annual Report for a description of activities of the countywide program and/or the BASMAA Municipal Operations Committee.

C.4.b.i. ► Business Inspection Plan

Do you have a Business Inspection Plan? Yes No

If No, explain:

The City does have a Business Inspection Plan. The City prints out the lists of businesses that the City anticipates inspecting for fiscal year, and refines and prioritizes the list based on inspector knowledge and past inspection history. The City will continue to refine the Business Inspection Plan in Fiscal Year 15-16.

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.

Appendix 4-1 includes printouts from the City's database listing facilities that could reasonably be considered to cause or contribute stormwater runoff pollution. The list is divided into different business categories and includes those facilities that were not on past inspection lists, but were required in the MRP.

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.

Appendix 4-1, which lists facilities that are subject to inspection as described in section C.4.b.iii.(1), includes a description of inspection frequencies for the different business categories. The list and description of the inspection frequencies will be used during FY 15-16 for planning facility inspections. During FY 15-16, the City will continue to evaluate modifications that can be incorporated into the database that will allow staff to generate lists of facilities scheduled for inspection during for designated report periods.

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 type="checkbox"/>	Permittee reports multiple discrete violations on a site as one violation.		
<input checked="" type="checkbox"/>	Permittee reports the total number of discrete violations on each site.		
		Number	Percent
Number of businesses inspected		356	
Total number of inspections conducted		511	
Number of violations (excluding verbal warnings)		85	
Sites inspected in violation		77	
Violations resolved within 10 working days or otherwise deemed resolved in a longer but still timely manner		74	

Comments:
 1) Inspectors report the total number of discrete violations on each site.
 2) The violations that were not resolved in 10 days or otherwise deemed resolved in a longer, but still timely manner were violations at two facilities with a history of poor housekeeping. The particular businesses were both restaurants and are inspected on an annual basis. The violations included failure to keep the trash enclosure in good order, chemicals and hazardous materials stored outdoors, and persistent tallow spills. The facility management continually missed deadlines for compliance. After multiple re-inspections and attempts to work with the business and provide reasonable timelines for compliance, the facilities both closed temporarily and ultimately never reopened.

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	85
Comments: Discharge streams are counted as one discharge per source of discharge per inspection site. No facilities had an observed discharge to the stormdrain system during an IND/Comm inspection in FY 14-15.	

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) ¹	Number of Enforcement Actions Taken	% of Enforcement Actions Taken ²
Level 1	Level 1 enforcement actions: actions that were documented on an inspection notice, including a corrective action	83	97.6
Level 2	Level 2 enforcement actions: Notice of Violations (NOV) with a compliance directive	2	2.4
Level 3	Level 3 enforcement actions : administrative penalties or fines	0	0
Level 4	Level 4 enforcement actions, which are Citations or referrals to the Santa Clara County District Attorney or the Regional Water Quality Control Board	0	0
Total		85	

¹ Agencies to list specific enforcement actions as defined in their ERPs.
² Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.

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 ³	Number of Actual Discharge Violations	Number of Potential/Other Discharge Violations
Automotive	0	43
Bio R&D	0	0
Computer R&D / software	0	0
Concert Venue	0	2
Food Service Facility	0	69
Hospital / Healthcare	0	2
Hotel	0	2
Laboratory	0	5
Machine Shop	0	2
Metal Finisher	0	0
Office	0	0
Photographic	0	0
Public Facility	0	0
School	0	(accounted for in the Food Service Facility section)
Paint Stores, construction yards, dental offices, corp. yards, etc.	0	8

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:

There were no industries identified as non-filers during scheduled inspections during this fiscal year.

C.4.d.iii ▶ Staff Training Summary

Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance	Percent of Inspectors in Attendance
Industrial and Commercial	5/20/15	Industrial and Commercial Inspector Stormwater	3	100%

³ List your Program's standard business categories.

Inspector Stormwater Training		Training		
IND/Comm Ad Hoc Task Group	Various	Industrial and Commercial Inspection working group	1-2	75%-100%

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

Program Highlights

Provide background information, highlights, trends, etc.

During FY 14-15, the City completed the following 1) continued implementation of its Illicit Discharge and Elimination program; 2) continued its collection system screening program; 3) participated in SCVURPPP's IND/IDDE Ad Hoc Task Group (AHTG). Refer to the C.5 Illicit Discharge Detection and Elimination section of Program's FY 14-15 Annual Report for description of activities of the IND/IDDE AHTG and the BASMAA Municipal Operations Committee.

During FY 14-15, the City responded to 86 IDDE incidents, which is an increase from the 55 incidents last year and is comparable with the incident data from past years' (92 incidents in FY 02-03, 89 incidents in FY 03-04, 74 incidents in FY 04-05, 80 incidents in FY 05-06, 68 in FY 06-07, 70 in FY 07-08, 69 in FY 08-09, 73 in FY 09-10, 76 in FY 10-11, 36 in FY 11-12, and 49 in FY 12-13). Three complaints were "not found." One of the incidents was a complaint of RV waste dumping, but the liquid was potable water.. Another "complaint not found" was a complaint that suds were in the gutter, but the inspector did not observe the reported condition. During a follow-up conversation with the reporting party, the person stated that a neighbor had washed a car a few days before. Another "complaint not found" was a report of poor housekeeping at a home undergoing repairs. The follow up investigation identified the workers were sweeping up the small impacted area and no violations were observed.

The breakdown of the types of incidents, potential source, sources of reports, and follow-up and enforcement actions are summarized in Appendix 5-1 of the annual report. Evaluation of the "Incident Type" data showed that the City responded to 3 more "abandoned drum" incidents, 6 more "dumping" incidents, 4 more "Food Facility" incidents, 4 more "RV waste" incidents, 5 more "leaking vehicle and equipment" incidents, and 4 more "sewer spills," incidents compared to FY 13-14. The increased number in responses to these incident categories accounts for a majority of the increases compared to FY 13-14. The "accidental spills" incidents are typically vehicle accidents that result in spilled vehicle fluids requiring clean-up. The City has a new emergency dispatch database, which includes a filter that provides a summary of the incidents to the City's Environmental Safety Coordinator for possible follow-up action, if needed. As first responders become more familiar with the database, more accurate codes and information will be reported, which may account for the increased number of incidents reported compared to last year. During FY 14-15, the City issued 13 warning notices, and 3 Administrative Actions, and 4 Administrative Actions with fines in the amount of \$2,000.

During FY 14-15, the City responded to 4 sewer overflows that reached a storm drain, but were contained in the storm sewer system, and did not reach a creek. For a number of years, the City's Fire and Environmental Protection Division has worked closely with the Utilities Department to identify facilities, such as apartment complexes, that have a history of private overflows. The City requires sewer repairs, when necessary, to reduce the potential for sewer overflows.

During FY 14-15, the City continued its restaurant inspection program, which includes fire/life safety inspection and stormwater pollution prevention inspection items. This was discussed in Section 4 of the annual report.

Review of the data does not provide useful information regarding the distribution of IDDE incidents. The incidents appear to be randomly occurring throughout the City. RV incidents continue to be an issue, and the RV locations throughout the City change in response to parking enforcement efforts. Fire and Environmental Protection Division staff continue to work with the Police Department, the Streets Department, and the City Attorney's Office to identify enforcement options and to evaluate options to discourage RV waste dumping.

The City's existing data tracking system is sufficient to meet the new data requirements.

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
Mountain View Emergency Dispatch	Hazardous Emergencies or any spill during non-business hours	650-903-6395
Jaymae Wentker, Fire Marshal	Hazardous Materials and other spill incidents. Commercial/Industrial facility complaints.	M 650-903-6378 D 650-903-6821
Chris Steck, Haz Mat Specialist	Hazardous Materials spill incidents. Commercial/Industrial facility complaints.	M 650-903-6378 D 650-903-6816
Patrick Mauri, Haz Mat Specialist	Hazardous Materials spill incidents. Commercial/Industrial facility complaints.	M 650-903-6378 D 650-903-6143
Eric Anderson, Environmental Safety Coordinator	Hazardous Materials and other spill incidents. Commercial/Industrial facility complaints.	M 650-903-6378 D 650-903-6225
Carrie Sandahl, Water Environment Specialist	Hazardous Materials and other spill incidents. Commercial/Industrial facility complaints.	M 650-903-6378 D 650-903-6224
Ryan Harrison, Environmental & Safety Protection Inspector	Hazardous Materials and other spill incidents. Commercial/Industrial facility complaints.	M 650-903-6378 D 650-903-6815

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

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

Description:

Through SCVURPPP, the City participates in the BASMAA mobile surface cleaners program. City staff directs contractors and businesses to the BASMAA surface cleaner program information and approved vendor list and requires its surface cleaning vendor to maintain BASMAA mobile surface cleaner certification. City staff responds to complaints about illicit discharges from mobile washing operations and will inspect mobile businesses, such as mobile vehicle service operations, in the course of routine inspection activities. There were no incidents related to mobile washing operations during FY 14-15.

The City contracts for mobile washing of downtown sidewalks. The contract mobile wash contractor is a certified Mobile Surface Cleaner.

Refer to the C.5 Illicit Discharge Detection and Elimination section of SCVURPPP's FY 14-15 Annual Report for a description of countywide IDDE programs

and accomplishments.

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

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

Description:

The City’s collection system screening program is performed jointly by the Utilities Division and the Fire and Environmental Protection Division. During FY 14-15, the Utilities Department conducted outfall inspection throughout the City. The inspections did not identify IDDE sources. The Utilities Division also inspects the storm drain system as part of routine operations. Fire and Environmental Protection Division staff also inspected outfalls during trash assessment and hot spot cleanup work and did not identify IDDE incidents as part of this screening.

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))	86	
Discharges reaching storm drains and/or receiving waters (C.5.f.iii.(2))	8	9%
Discharges resolved in a timely manner (C.5.f.iii.(3))	86	100%

Comments:

The majority of City IDDE incident responses are “threatened” discharge situations, such as minor spills that can be easily cleaned up and waste does not actually reach the storm drain system. Of the 86 incidents that the City responded to during FY 14-15, 3 incidents were not found. The responses to these complaints are tracked and reported to provide a record of the response and may be useful if complaints are received in the future.

Eight incidents resulted in discharges to the storm drain. One of the incidents resulted in discharge to the creek. Four of those incidents were sewer overflows. All four overflow incidents occurred on private property. For each of these incidents, the sewage was contained in the city storm sewer pipe and the sewage was flushed and vacuumed from the storm drain pipe and did not reach a receiving water. Another discharge incident that reached a storm drain was an RV that had sewage and transmission fluid spills on the ground outside and into the storm drain. The vehicle owner was not present and the vehicle was moved prior to being towed on a 72 hour parking violation. The storm drain was cleaned by the City vacuum truck. Another incident that resulted in a discharge to the storm drain was discharge of oily mop water from a restaurant discharged to the storm drain. The storm drain was cleaned and an administrative citation and fine were issued to the restaurant owner. Another incident was the discharge of a small amount of mortar to the storm drain system. The mortar was dried and the mortar was cleaned by the business owner. Another incident that resulted in discharge to the creek occurred when a large City water transmission pipe was ruptured by PG&E contractors. The break occurred late in the day and the City was not notified until the following day, so a significant amount of potable water discharged into Permanente creek. The potable water discharge was reported to the Regional Board as required in C.15.

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

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

Appendix 5-1 provides a summary of the types of IDDE incidents, IDE enforcement actions, and sources of IDDE reports.

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	# 21	# 177
<p>Comments: During FY 14-15, the City inspected 21 NOI sites (>1 acre) on a monthly frequency. The City did not inspect additional "high priority" sites that disturb <1 acre as no "high priority" <1 acre sites were identified.</p>		

C.6.e.iii.1.d ▶ Construction Activities Storm Water Violations		
BMP Category	Number of Violations¹ excluding Verbal Warnings	% of Total Violations²
Erosion Control	1	2
Run-on and Run-off Control	0	0
Sediment Control	35	55
Active Treatment Systems	0	0
Good Site Management	25	40
Non Stormwater Management	2	3
Total³	63	100%

¹ 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.

² Percentage calculated as number of violations in each category divided by total number of violations in all six categories.

³ 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) ⁴	Number Enforcement Actions Issued	% Enforcement Actions Issued ⁵
Level 1 ⁶	Verbal warning and written warnings provided on an inspection notice. Education materials provided are also listed though not calculated for inspection percentage.	Verbal - 14 Written - 34 Total - 48 Ed. Material - 16	Verbal - 29% Written - 71% Total - 100%
Level 2	NOV or Compliance Order	0	0
Level 3	Administrative penalties or fines	0	0
Level 4	Citations, referrals or civil/criminal complaints, or referral to the Regional Water Quality Control Board.	0	0
Total			100%

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

⁴ Agencies should list the specific enforcement actions as defined in their ERPs.

⁵ Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.

⁶ For example, Enforcement Level 1 may be Verbal Warning.

C.6.e.iii.1.h, i ► Violation Correction Times		
	Number	Percent
Violations (excluding verbal warnings) fully corrected within 10 business days after violations are discovered or otherwise considered corrected in a timely period (C.6.e.iii.1.h)	32	97% ⁷
Violations (excluding verbal warnings) not fully corrected within 30 days after violations are discovered (C.6.e.iii.1.i)	1	3% ⁸
Total number of violations (excluding verbal warnings) for the reporting year ⁹	33	100%
Comments: The “Total number of violations for the reporting year” represents the number of inspections that identified violations and written notices were issued. Thirteen of the inspections that identified violations noted violations in 2 or more separate categories, and 20 of the inspections identified violations in only one category. One violation that was identified was not fully corrected within 10 days of discovery. The identified violation was an uncovered soil stockpile at the perimeter of the project. An extension was granted because the stockpile was scheduled to be backfilled onto the site shortly after the 10 day period. Since the weather conditions were dry during the initial observation (September 2014) the City agreed to allow the correction to exceed 10 days. The stockpile was removed within 30 days of discovery.		

C.6.e.iii.(2) ► Evaluation of Inspection Data
Describe your evaluation of the tracking data and data summaries and provide information on the evaluation results (e.g., data trends, typical BMP performance issues, comparisons to previous years, etc.).
<p>Description:</p> <p>During FY 14-15, the city conducted 177 construction site inspections at 21 high priority sites. All of the high priority sites disturb greater than 1 acre and are NOI sites regulated under the State Construction General Permit. There were no sites less than 1 acre that were considered high priority sites. The total number of construction site inspections is increased from the 159 inspections conducted in FY 13-14 due to the continuing high level of construction activity in the City. The number of increased from 18 in FY 13-14, and most of the sites were active during the span of the reporting year.</p> <p>Forty-eight violations were identified during FY 14-15, which is an increase from 42 violations reported during FY 13-14. Most of the violations are for sweeping and litter. One factor for the sweeping violations relates to the type of construction, where a number of the projects involve excavation of the majority of the property. This type of construction requires intensive sediment control and sweeping during excavation. After the excavation is completed, the tracking potential is reduced and fewer violations observed. Most of the violations that were identified and corrected were for sediment controls, such as sweeping and perimeter controls, and good site management practices, such as trash management and covering stockpiles.</p> <p>The City used an excel spreadsheet developed by SCVURPPP to track inspection data as required by the MRP.</p>

⁷ 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.

⁸ 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.

⁹ 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.

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

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

Description:
 The City continues to experience a high level of construction projects. Monthly inspections were conducted at priority sites during FY 14-15. Violations that were identified were corrected. No major discharge violations from construction sites were observed during FY 14-15. City inspectors from the Fire and Environmental Protection Division participated in the SCVURPPP-sponsored Construction Inspector Training Workshop.

During FY 14-15, the City continued its practice of conducting thorough pre-winter inspections and providing pre-winter guidance to construction site superintendents. While the City inspects these sites year-round, the pre-winter inspection clearly outlines the inspector’s expectations for the pending rainy season, and ensures that the sites have been prepared for winter storms.

The City utilized the Excel spreadsheet developed by SCVURPPP to ensure required data is tracked. City staff participated in SCVURPPP Construction Inspection AHTG to ensure that consistent inspection and reporting practices are implemented. Refer to the C.6 Construction Site Control section of SCVURPPP’s FY 14-15 Annual Report for a description of activities at the countywide or regional level.

C.6.f ► Staff Training Summary

Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance	Percent of Inspectors in Attendance
SCVURPPP Construction Stormwater Inspector Workshop	May 6, 2015	Regulations, BMPs, and inspections at construction sites.	3	100% of Environmental Protection Division inspectors assigned to construction inspections.

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

C.7.b.ii.1 ► Advertising Campaign

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

Summary:

The following separate reports developed by SCVURPPP and BASMAA summarize countywide and regional advertising efforts conducted during FY 14-15:

- FY 14-15 Watershed Watch Campaign Annual Campaign Report
- FY 14-15 Watershed Watch Partner Report
- FY 14-15 Watershed Watch Web Statistics Report

These reports are included within the C.7 Public Information and Outreach section of Program’s FY 14-15 Annual Report.

C.7.b.iii.1 ► Pre-Campaign Survey

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

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

Place an X in the appropriate box below:

	Survey report attached
X	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. Information on the SCVURPPP 2014 Public Opinion Survey is included in the Program's 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:

C.7.c ► Media Relations

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

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

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

- BASMAA Media Relations Final Report FY 14-15

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

C.7.d ► Stormwater Point of Contact

Summary of any changes made during FY 14-15:
 No change from the FY 13-14 Annual Report. Information is re-submitted below.

The City publicized the point of contact for stormwater related topics through the City's Newsletter, *The View* <http://www.mountainview.gov/about/pub/theview.asp> the Newsletter, *The Resource* http://www.mountainview.gov/about/pub/the_resource_newsletter.asp and through its website: <http://www.mountainview.gov/> <http://www.mountainview.gov/depts/fire/environment/protection.asp>

The City also hosts an information portal titled, "Ask Mountain View," where interested parties can search for information and submit requests or complaints on-line. The address for "Ask Mountain View" is: <https://clients.comcate.com/newrequest.php?id=128>

Another point of contact is the Watershed Watch Campaign hotline (1-866-WATHERSHED) and Watershed Watch Campaign website (www.mywatershedwatch.org). Also, Individual agency points of contact are publicized on SCVURPPP outreach materials and websites and the point of contact is maintained by SCVURPPP and their authorized agents.

Section C.7 of SCVURPPP's FY 12-13 Annual Report lists efforts conducted by SCVURPPP to publicize stormwater points of contact (e.g. SCVURPPP website, hotline, outreach materials, etc.).

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
Thursday Night Live; July 10, 2014; Castro St - Downtown Mtn View	Street Fair. Audience: residents Pollution Prevention, trash	This is a casual downtown event. The event was well attended for a weeknight event. Table next to a Fire Engine attracts a lot of people, especially families. Approximately 1000 people attend the event and approximately 100 people visit the booth.
Thursday Night Live; July 24, 2014; Castro St - Downtown Mtn View	Street Fair. Audience: residents Pollution Prevention, trash	This is a casual downtown event. The event was well attended for a weeknight event. Table next to a Fire Engine attracts a lot of people, especially families. Approximately 1000 people attend the event and approximately 100 people visit the booth.
Thursday Night Live; August 7, 2014; Castro St - Downtown Mtn View	Street Fair. Audience: residents Pollution Prevention, trash	This is a casual downtown event. The event was well attended for a weeknight event. Table next to a Fire Engine attracts a lot of people, especially families. Approximately 1000 people attend the event and approximately 100 people visit the booth.
Thursday Night Live; June 25, 2015; Castro St - Downtown Mtn View	Street Fair. Audience: residents Pollution Prevention, trash, microbeads	This is a casual downtown event. The event was well attended for a weeknight event. Table next to a Fire Engine attracts a lot of people, especially families. Approximately 1000 people attend the event and approximately 100 people visit the booth.

Mountain View Art and Wine Festival; September 6 and 7, 2014. Downtown Mountain View.	Pesticide - IPM, and pollution prevention	Large 2-day festival that is well attended. Approximately 10,000 people attend the festival and approximately 500 people visited the booth
Mountain View Arbor Day Fair; March 14, 2015 - Pioneer Park	Pesticide - IPM, pollution prevention.	This is a smaller event that is well attended. Approximately 1,000 people attend, and approximately 200 people visited the boot.
SCVURPPP Sponsored Events		
<p>Program staff, the Watershed Watch consultant, and Co-permittees staffed 12 outreach events in FY 14-15. Events were selected based upon target audience and attendance. Materials distributed at the events included the following: Less Toxic Pest Management fact sheets, "10 Most Wanted Backyard Bugs" brochure, "Draining Pools & Spas" brochure, "You are the Solution to Water Pollution" brochure, "Clean Cars & Clean Creeks" brochure, "Mercury in Fish" brochure, and giveaways (e.g. flyswatters, OWOW magnets, drawstring backpacks, and temporary tattoos). The flyswatters have the Watershed Watch website and hotline number and the words "The Original Earth-Friendly Pest Control" printed on them. The Campaign also continued using QR codes ("Quick Response" codes) in printed materials. These codes have URLs embedded in them and when scanned with smart phones direct users to specific webpages. This was targeted at people that are reluctant to collect paper materials and only want to look up information online. The bean bag toss game for children was used at most of the events. Event staff distributed approximately 2,900 outreach materials and giveaways.</p>		

Event Details	Focus & Short Description	Evaluation of Effectiveness
Name: Imagination Technologies Vendor Fair Date: August 21, 2014 Location: Imagination Technologies Region: Countywide	Type of Event: Corporate event Audience: Information Technology Professionals Message: Stormwater pollution prevention, less-toxic pest control, water quality, proper medication disposal	General Feedback: The event was very well organized. Many employees stopped at the booth to ask questions. Estimated Overall Event Attendance: 90 Number of Brochures/Flyers Distributed: 198 Number of Giveaways Distributed: 118 Number of Watershed Watch Discount Cards Distributed: 64
Name: Happy Kids Day Date: August 23, 2014 Location: Cupertino Memorial Park, Cupertino Region: Countywide	Type of Event: Community Fair Audience: Families with children Message: Stormwater pollution prevention, less-toxic pest control, and proper disposal of HHW	General Feedback: Good attendance with lots of families with children. The bean bag game was very popular with kids The Program attended this event for the first time in FY 14-15. Based on feedback from event staff and organizers, the Program will consider attending the event in FY 15-16 as well. Estimated Overall Event Attendance: 30,000 Number of Brochures/Flyers Distributed: 302 Number of Giveaways Distributed: 450 Number of Watershed Watch Discount Cards Distributed: 126
Name: Pumpkins in the Park Date: October 11, 2014 Location: Guadalupe River Park/Discovery Meadow, San Jose Region: Countywide	Type of Event: Community fair Audience: Families with children Messages: Stormwater pollution prevention, less-toxic pest control, and proper disposal of HHW.	General Feedback: This is a great event for educating families with small children. As always, the bean bag game was very popular with the kids. Estimated Overall Event Attendance: 13,000-15,000 Number of Brochures/Flyers Distributed: 119 Number of Giveaways Distributed: 481 Number of Watershed Watch Discount Cards Distributed: 98 Number of kids that played the bean bag game: 260
Name: Earth Day at San Jose State University Date: April 22, 2015 Location: San Jose State University/Tower Lawn, San Jose	Type of Event: College Event Audience: Young adults, students Messages: Stormwater pollution prevention and proper disposal of HHW	General Feedback: The event was well organized and a good place to reach young adults. Estimated Overall Event Attendance: 1,000 - 1,200 Number of Brochures/Flyers Distributed: 262

<p>Region: Countywide</p>		<p>Number of Giveaways Distributed: 188 Number of Watershed Watch Discount Cards Distributed: 224</p>
<p>Name: Mission College Eco Fair Date: April 23, 2015 Location: Mission College Campus, Santa Clara Region: : Countywide</p>	<p>Type of Event: College event Audience: Young adults, students Messages: Stormwater pollution prevention and proper disposal of HHW</p>	<p>General Feedback: The event was well organized and a good place to reach young adults. Event organizers provided the students a questionnaire that they could complete by visiting booths, and earn extra credit. This led to increased participation and engagement. Estimated Overall Event Attendance: 700 - 800 Number of Brochures/Flyers Distributed: 152 Number of Giveaways Distributed: 396 Number of Watershed Watch Discount Cards Distributed: 39</p>
<p>Name: Fit & Fun Earth Day Fair Date: April 25, 2015 Location: Columbia Neighborhood Center, Sunnyvale Region: Countywide</p>	<p>Type of Event: Community fair Audience: Families with children Messages: Stormwater pollution prevention, less-toxic pest control, and proper disposal of HHW.</p>	<p>General Feedback: Great attendance throughout the day. The bean bag game was very popular with children. Estimated Overall Event Attendance: 2,000 Number of Brochures/Flyers Distributed: 85 Number of Giveaways Distributed: 600 Number of Watershed Watch Discount Cards Distributed: 121</p>
<p>Name: Fishing in the City Date: April 26, 2015 Location: Lake Cunningham, San Jose Region: Countywide</p>	<p>Type of Event: Community fishing event Audience: Anglers Messages: Guidelines to eating Fish and Shellfish from local lakes and San Francisco Bay</p>	<p>General Feedback: The intent of the event is to introduce young children to fishing. The event was attended by lots of families with children. All of them were very receptive to receiving information on safe fish consumption. Estimated Overall Event Attendance: 150 Number of Brochures/Flyers Distributed: 144</p>
<p>Name: Fishing in the City Date: May 17, 2015</p>	<p>Type of Event: Community fishing event Audience: Anglers</p>	<p>General Feedback: The intent of the event is to introduce young children to fishing. The event was</p>

<p>Location: Lake Cunningham, San Jose Region: Citywide</p>	<p>Messages: Guidelines to eating Fish and Shellfish from local lakes and San Francisco Bay</p>	<p>attended by lots of families with children. All of them were very receptive to receiving information on safe fish consumption. Estimated Overall Event Attendance: 150 Number of Brochures/Flyers Distributed: 23</p>
<p>Name: Watershed Watch "half-off" two hour Car Wash Event Date: June 3, 2015 Location: Robertsville Classic Car Wash, 5005 Almaden Exp., San Jose Region: Countywide</p>	<p>Type of Event: Car Wash Audience: Car wash customers Messages: Stormwater pollution prevention and proper car washing.</p>	<p>General Feedback: The event was well attended. It is an annual Watershed Watch event and offers a good opportunity to reach car wash customers. Estimated Overall Event Attendance: 137 car washes Number of Brochures/Flyers Distributed: 15 Number of Watershed Watch Discount Cards Distributed: 31</p>
<p>Name: Festival in the Park Date: June 6, 2015 Location: Hellyer County Park, San Jose Region: Countywide</p>	<p>Type of Event: Community Health Fair Audience: Families with children. Message: Stormwater pollution prevention, less-toxic pest control, and proper disposal of HHW.</p>	<p>General Feedback: Great attendance throughout the whole event. This event is great for reaching Spanish speaking segments of the population. Estimated Overall Event Attendance: 5,000 Number of Brochures/Flyers Distributed: 198 Number of Giveaways Distributed: 606 Number of Watershed Watch Discount Cards Distributed: 132 Number of kids that played the bean bag game: 356</p>
<p>Name: Watershed Watch "half-off" two hour Car Wash Event Date: June 10, 2015 Location: Capitol Premier Car Wash, 735 Capitol Expressway Auto Mall, San Jose Region: Countywide</p>	<p>Type of Event: Car Wash Audience: Car wash customers Messages: Stormwater pollution prevention, proper car washing.</p>	<p>General Feedback: Event rained out but Program staff, Co-permittee staff, and promotional team were present. Owner distributed 15 free car wash vouchers to people who showed up. Estimated Overall Event Attendance: 15 free car wash vouchers Number of Brochures/Flyers Distributed: 0 Number of Watershed Watch Discount Cards Distributed: 15</p>
<p>Name: Watershed Watch "half-off" two hour Car Wash Event</p>	<p>Type of Event: Car Wash Audience: Car wash customers</p>	<p>General Feedback: The event was well attended. It is an annual Watershed Watch event and offers a</p>

Date: June 11, 2014 Location: Delta Queen Classic Car Wash, 981 E Hamilton Avenue, Campbell Region: Countywide	Messages: Stormwater pollution prevention, proper car washing.	good opportunity to reach car wash customers. Estimated Overall Event Attendance: 151 car washes Number of Brochures/Flyers Distributed: 30 Number of Watershed Watch Discount Cards Distributed: 68
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C.7.f. ► Watershed Stewardship Collaborative Efforts

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

Evaluate effectiveness by describing the following:

- Efforts undertaken
- Major accomplishments

Summary:
 The City implements the watershed stewardship collaborative efforts element through its participation in SCVURPPP. During FY 14-15, the Program actively supported the Santa Clara Basin Watershed Initiative, including the Land Use Subgroup, and the Santa Clara Valley Zero Litter Initiative. Information on these efforts is included within the C.7 Public Information and Outreach section of the Program’s FY 14-15 Annual Report.

The City also supports the Stevens and Permanente Creek Watershed Council, including collaboration with creek cleanup events.

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
Coastal Cleanup Day - September 20, 2014 - The City coordinated a creek cleanup event in conjunction with a Statewide/National effort.	Creek Cleanup - Stevens Creek	21 volunteers covered approximately 1 miles and removed approximately 1,000 pounds of trash.
National River Cleanup Day - May 16, 2015 - The City coordinated a creek cleanup event in conjunction with a Statewide/National effort.	Creek Cleanup - Stevens Creek	20 volunteers covered approximately 1.25 miles and removed approximately 200 pounds of trash.

SCVURPPP Sponsored Events

The Program provided funding for the following citizen involvement events:

<p>1) National River Clean-up Day – The Program supports the involvement of Santa Clara County citizens by providing advertising support for the National River Clean-up Day.</p> <p>2) Citizen involvement events at the Don Edwards San Francisco Bay Wildlife Refuge (Refuge) – A number of citizen involvement and stewardship programs are conducted as part of the Program funded Watershed Watchers Program at the Refuge. Participants usually work in the Refuge gardens planting native plants, pulling non-native plants, and mulching. More details are included in the Watershed Watchers Report in the Program Annual Report Appendix 7-8.</p>		
Event Details	Description	Evaluation of effectiveness
<p>Name: Summer of Service Program Date: 7/9/14, 7/23/14, 7/30/14, 6/24/15 Location: Don Edwards Wildlife Refuge, Alviso Focus: Countywide</p>	<p>Partnership program between Santa Clara Valley youth groups and the Watershed Watchers program. Youth spend a day at the Refuge and they work in the gardens in the morning and explore the Refuge in the afternoon.</p>	<p>The Summer of Service program reached a total of 47 attendees, including 16 elementary school students, 17 middle school students, 7 high school students, and 7 adults.</p>
<p>Name: Community Service Days/Gardening Without Chemicals Date: 9/20/14, 10/5/14, 12/13/14, 1/31/15, 2/13/15, 2/21/15, 2/28/15, 3/21/15, 3/22/15, 4/11/15, 4/18/15, 4/21/15, 4/22/15, 4/30/15, 6/24/15 Location: Don Edwards Wildlife Refuge, Alviso Focus: Countywide</p>	<p>This is an open day for corporate groups, schools groups or the general public to work in the gardens planting native plants, pulling non-native plants, and mulching.</p>	<p>This event reached a total of 123 attendees, including 18 elementary school students, 12 middle school students, 32 high school students, and 61 adults.</p>
<p>Name: National River Cleanup Day Date: 5/16/15 Location: Various locations throughout the County Focus: Countywide</p>	<p>In FY 14-15, the Creek Connections Action Group sponsored two creek clean-up events: California Coastal Clean-up Day on September 20, 2014 and National Rivers Clean-up Day on May 16, 2015. The Program provided funding for the National Rivers Clean-up Day advertising.</p>	<p>On National River Cleanup Day, a total of 1,049 volunteers participated in cleaning 50 sites and removed approximately 29,425 pounds of trash and 1,804 pounds of recyclables from creeks.</p>

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.

Local School Outreach Program

In Mountain View, outreach to school-age children is implemented through the City's participation with the Palo Alto Regional Water Quality Control Plant's school outreach program. The school outreach programs that occurred during FY 14-15 in Mountain View are summarized below.

Program Details	Focus & Short Description	Number of Students/Teachers reached	Evaluation of Effectiveness
What's Bugging You?	In this interactive program, students work together to create a visual habitat for insects. By learning about insects and the food chain students are introduced to the concept of pesticides, as well as the impacts of pesticides on water pollution. Students also learn: the difference between waste water and storm water (where it comes from, where it goes); the water cycle; the definition and function of a watershed; and "reduce/reuse/recycle/rot/respect."	4 classes, 104 students	75% of teachers returned postage-paid evaluation postcard, with a cumulative rating of 4.9 out of 5 in both quality of program and clarity of presenter. 100% stated students' understanding of the difference between storm drain/sewer systems increased or stayed the same, and 100% stated students' understanding of what they can do to prevent water pollution increased or stayed the same as well.
What's Up with the Bags?	In this program students practice their reading and comprehension skills by reading a story out loud as they learn about the impact of plastic bags when they enter the watershed through human use and misuse. Plastic bag alternatives are discussed. Students are given a reusable bag, encouraged to decorate it with a message about water pollution or something else they learned from the lesson, and then take the bag home to be reused. Students also learn: the difference between waste water and storm water (where it comes from, where it goes); the water cycle; the definition and function of a watershed; and "reduce/reuse/recycle/rot/respect."	4 classes, 104 students	See above

Who Dirtied the Bay?	Moving through time from past to present the focus of this program is on storm water and how pollutants impact the Baylands and H2O environment. Pollution prevention solutions are discussed with an emphasis on what the students can do right now, at their age, to impact water pollution Students also learn: the difference between waste water and storm water (where it comes from, where it goes); the water cycle; the definition and function of a watershed; and "reduce/reuse/recycle/rot/respect."	3 classes, 84 students	See above
Microbes in Sewage	In a laboratory setting, students practice their microscope skills as they observe, document and identify microbes from water samples drawn from the aeration basin as part of the wastewater treatment process. This program directly relates since students study protist in the 7th grade as part of the science biology curriculum, Students also learn to understand the sense of place and the role of a wastewater treatment plant in their community. Impact of pollution on the Baylands and water environment, as well as prevention solutions that the students can currently engage in are discussed	23 classes, 653 students	See above
SCVURPPP Sponsored School Outreach Program			
<p>Outreach to school-age children is implemented through ZunZun assemblies at local elementary schools and the "Watershed Watchers" program at the Environmental Education Center at the Don Edwards San Francisco Bay Wildlife Refuge (Refuge) in Alviso. The Program sponsors up to 50 ZunZun assemblies at elementary schools in Santa Clara Valley and funds an Interpretive Specialist position at the Refuge for conducting activities and programs about watershed and urban runoff pollution prevention. The Fourth Quarter "Watershed Watchers" Report including the End-of-Year summary is included in the Program Annual Report Appendix 7-7. The Final ZunZun Report and Teacher Evaluation Report are included in the Program Annual Report Appendix 7-8.</p>			
Program Details	Focus & Short Description	Number of Students/Teachers reached	Evaluation of Effectiveness
Name : ZunZun Musical Assembly	Interactive, musical school assemblies	13,588 students	ZunZun assemblies were evaluated using

<p>Grade or level: elementary</p>	<p>educating K-6 children about watersheds and pollution prevention.</p>		<p>postage-paid evaluation cards that were distributed to all teachers present at the performances. The Program received 84 completed evaluation cards from teachers. Overall, the feedback was positive and indicated an increase in the students' knowledge about watersheds and pollution prevention. A few highlights of the evaluations are:</p> <ul style="list-style-type: none"> • After the performance, 20 teachers reported that 100% of their students knew what a watershed was; 28 teachers indicated that 75% of their students knew what a watershed was; 11 teachers indicated that 50% of their students knew what a watershed was; and 23 teachers indicated that 25% of their students knew what a watershed was. • After the performance, 42 teachers indicated that 100% of their students could name a way to prevent pollution in the watershed; 26 teachers indicated that 75% of their students could name a way to prevent pollution in the watershed; and 9 teachers indicated that 50% of their students could name a way to prevent pollution in the watershed. <p>In addition, 7 classrooms completed the "I Pledge to Keep My School Clean" activity. The pledge requires students to dispose of trash or recyclables properly or pick up litter for a week. Students sign the pledge each day to indicate completion. Teachers are asked to fax or email the completed pledge form to Program staff. Watershed Watch sports backpacks were distributed to students that completed the pledge.</p>
<p>Name: Watershed Watchers Program at Don Edwards Wildlife Refuge in Alviso Grade or level: pre-school, elementary, middle, high school.</p>	<p>The Refuge offers a number of interpretive programs to educate children and youth about preventing urban runoff pollution. A description of the program is provided</p>	<p>137 pre-kindergarteners, 976 elementary school students,</p>	<p>Visitor Surveys are used to determine visitor demographics, effectiveness of publicity, and the effectiveness of the Watershed Watchers Program. In addition, an "Urban Runoff Bead Drop" display is used to record actions (e.g., pick up</p>

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C.7 - Public Information and Outreach

	in the Watershed Watchers Fourth Quarter Report in Appendix 7-7.	555 middle school students, and 207 high school students.	litter, spread the word, take car to car wash) that children promise to do the help keep storm drains clean. Results of both these evaluation mechanisms are summarized in the Watershed Watchers Fourth Quarter Report included in Appendix 7-7.
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Section 8 - Provision C.8 Water Quality Monitoring

C.8 ► Water Quality Monitoring

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

Summary

During FY 14-15, the City participated in BASMAA Regional Monitoring Coalition (RMC) and conducted monitoring consistent with the MRP through its association with the Program. In addition, we contributed financially to the Regional Monitoring Program for Water Quality in the San Francisco Estuary (RMP) and were represented at RMP committees and work groups. Monitoring efforts and results are documented in a separate report submitted March 15 of each year, as required in Provision C.8. For additional information on monitoring activities conducted by the Program, BASMAA RMC and the RMP, see the C.8 Water Quality Monitoring section of the Program's FY 14-15 Annual Report and the Integrated Monitoring Report, submitted to the Water Board on March 15, 2014.

Section 9 - Provision C.9 Pesticides Toxicity Controls

C.9.b ► Implement IPM Policy or Ordinance

Report implementation of IPM BMPs by showing trends in quantities and types of pesticides used, and suggest reasons for increases in use of pesticides that threaten water quality, specifically organophosphates, pyrethroids, carbaryl, and fipronil. A separate report can be attached as evidence of your implementation.

Trends in Quantities and Types of Pesticides Used¹

Pesticide Use Analysis

During FY 14-15, the City implemented its IPM Program. Pesticide used data for FY 14-15 is included in Appendices 9-1, 9-2, 9-3, and 9-4. Appendix 9-1 summarizes the number of different pesticides separated by their category that were used at City facilities during the reporting year. Appendix 9-2 summarizes the total quantities of pesticides, separated by their categories that were used, and comparing FY 14-15 usage to the previous year and the previous 12 years average. Appendix 9-3 summarizes the total quantities of active ingredients, separated by categories, and comparing FY 14-15 usage to the previous year and the previous 12 years average. Comprehensive pesticide use data, including application date, product used, amount applied, and amount of active ingredient applied is available upon request.

The City's IPM Policy and Plan establishes goals to reduce pesticide use through implementation of IPM practices, and establishes a reduced risk pesticide selection procedure when pesticide use is required. The IPM Policy and Plan directs the use of lower toxicity, Category III products or exempted products, and limits the use of higher toxicity, Category I and II products, to cases where those products are needed to prevent unacceptable health risks or economic loss. Implementation of the reduced risk pesticide selection practice resulted in City staff and contractors using a larger variety of products to achieve desired pest control results. As shown in Appendix 9-1, since FY 03-04, a general trend reflects an increase of the total number of different pesticide products used, an increase in the number of lower toxicity Category III products, and a decrease in the number of higher toxicity Category I and II products. During FY 14-15, the total number of pesticide products used, including Category III products were consistent with recent years. One Category I product was used during FY 11-12, FY 12-13, FY 13-14, and used again in FY 14-15. Category I products had not been used for 5 years prior to FY 11-12. The Category I product has been used at the golf course to prevent the spread of a potentially damaging weed on the greens. Use of the product was recommended by a qualified pest control advisor and was approved in accordance with the City's IPM policy. Two applications of the Category I product occurred during FY 14-15 (April and May 2015). These applications are a part of a recommended cycle of applications as a course of treatment, so use of this product was anticipated for FY 14-15, and its use will most likely continue in upcoming years. Further discussion of this product's use is discussed below. One Category II products was used during FY 14-15. The Category II product was used at the golf course to control fungus on the putting greens.

Appendix 9-2 provides an evaluation of historic pesticide use data since FY 02-03. Past evaluations concluded an overall trend of increased total pesticide use, an increased use of Lower toxicity, Category III and exempt products. The historical trend has also shown a reduction in the use of higher toxicity, Category I and Category II products at City facilities, with the exception of the use of the category I pesticide described above. The increase in total pesticide use was thought to be due to the necessity to use larger amounts of lower toxicity product to control pest issues that were previously controlled using higher toxicity products. Additionally, the City has also increased park, trail, and median areas that require maintenance, which also contributes to the increase in total pesticide usage. Recent trends have shown reduced pesticide use during FY 10-11, FY 11-12, FY 12-13, FY 13-14, and FY 14-15. Factors related to the reduction in the amount of pesticides that were used during the past 5 years include; winter rain patterns that did not include intermittent periods of warm weather to promote winter weed

¹ Includes all municipal structural and landscape pesticide usage by employees and contractors.

growth; mild spring and summer weather; and reliance on new backpack application equipment which was used to apply most of the products instead of the truck sprayer. The truck equipment had been used more in past years and delivers more product, whereas the backpack can deliver product more directly and at a reduced rate, which reduces the total amount used. Another reason for a reduction in pesticide use may be enhanced fertility and cultivation programs in golf course turf that reduced disease and weeds that would otherwise require treatment. Low rainfall during FY 14-15 is most likely a contributing factor for reduced total use as well.

Appendix 9-3 provides an evaluation of historic active ingredient application since FY 02-03, and shows a trend that City staff and contractors have decreased the application of active ingredients from Category II and Category III products at City facilities, and an increase in active ingredient application from Category I and exempt products. The increase in Category I active ingredient is due to use of a single category I product at the golf course that was previously discussed. Appendix 9-3 also shows an overall decrease in the total application of active ingredients during FY 14-15, compared to the past 12 year average. The overall decrease in active ingredient application is most likely due to increased use of lower toxicity, Category III products. FY 14-15 active ingredients application amounts decreased compared to FY 13-14 and compared to the 12-year average. The evaluation and analysis of active ingredient application is challenging due to varying dilution rates.

While recent data shows a trend of decreased total pesticide use and active ingredient use for the reporting year, the data does not necessarily mean that a trend toward decreased amount will continue. Future weather patterns, increased landscape areas that will need to be maintained, and possible pest infestations may require increased use of pesticides.

Use of Pesticides that Threaten Water Quality

The Municipal Regional Permit lists organophosphorous pesticides, pyrethroids, carbamates, and fipronil as pesticides of concern.

- No carbamate pesticides were applied at City facilities during FY 14-15.
- One organophosphorous product, called Proxy, was used at the golf course during FY 14-15 to prevent the spread of a potentially damaging weed on the greens. The active ingredient in Proxy is ethephon. The product is not a phosphate chemical. The product application and the use is summarized in the table below. The product breaks down quickly and was applied during dry months (April and May) and no irrigation for at least 24 hours after application.
- Four different products containing pyrethroids were used during FY 14-15. Information regarding the use of these products is provided in the table below, and the table includes additional information regarding the pyrethroid products, target pests, total amount applied, active ingredient applied, and comments about water quality threat. Two products containing fipronil were used during FY 14-15. Information regarding the use of these products is provided in the table below.

Additional information regarding the organophosphorous, pyrethroid and fipronil products, target pest, their active ingredient, quantities that were applied, and comments about the water quality threat or precautions that were taken are listed Appendix 9-4. The products that are applied indoors are not included in Appendix 9-4 since they do not pose a threat to pollute runoff. The pyrethroid and fipronil products are primarily applied by the City's contractor, Bay Valley Pest Control. These applications are typically in very small amounts, and those that may be applied in larger quantities are diluted and the amount of active ingredient is very small. These products are typically applied in areas where there is a low risk of the product being washed off during a rain event, including interior applications and application at the base or eaves of buildings, or products that are in bait form.

Comparing pesticide use data since FY 03-04 shows continued use of the pyrethroid and fipronil products. Due to the small amounts of active ingredients in these products, the amount of change in active ingredient is negligible. The City will track alternatives to using the pyrethroid and fipronil products.						
Pesticide Category and Specific Pesticide Used	Amount ²					
	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15
Organophosphates						
Proxy (active ingredient is ethephon)	None	None	93.4 lb. (23 lb a.i.)	93.7 lb. (23 lb. a.i.)	140.6 lb (30.9 lb a.i.)	140 lb. (30.9 lb. a.i.)
Pyrethroids						
Drion	0.3 lb (0.003 a.i.)	None	0.3 lb (0.03 lb a.i.)	1.2 lb. (0.01 lb. a.i.)	0.06 lb. (0.006 lb. a.i.)	0.09 lb. (0.01 lb. a.i.)
Excite **not previously reported	**0.13 lb. (0.08 lb. a.i.)	None	**0.06 lb. (0.004 lb. a.i.)	None	**0.8 lb. (0.05 lb. a.i.)	2.1 lb. (0.13 lb.a.i.)
Tempo	None	None	2.1 lb (<0.01 lb a.i.)	25 lb. (<0.01 lb. a.i.)	12.6 lb. (0.005 lb. a.i.)	77 lb. (0.15 lb. a.i.)
Wasp Freeze	2.2 lb. (0.003 lb a.i.)	9.1 lb (0.02 lb. a.i.)	1.9 lb. (0.005 lb. a.i.)	0.19 lb. (0.0004 lb. a.i.)	8.1 lb. (0.02 lb. a.i.)	0.38 lb. (0.001 lb. a.i.)
Carbaryl						
None Used	NA	NA	NA	NA	NA	NA
Fipronil						
Maxforce	0.13 lb. (0.001 lb a.i.)	0.08 lb (0.001 lb. a.i.)	0.01 lb (<0.01 lb a.i.)	0.52 lb. (<0.01 lb. a.i.)	0.39 lb. (0.00003 lb. a.i.)	0.14 lb. (0.00001 lb. a.i.)
Termidor	0.2 lb (0.02 lb a.i.)	0.15 lb (0.014 lb a.i.)	None	5 lb. (0.45 lb.a.i.)	0.06 lb. (0.06 lb. a.i.)	1.5 lb. (0.14 lb. a.i.)

² 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.

C.9.c ▶ Train Municipal Employees	
Enter the number of employees that applied or used pesticides (including herbicides) within the scope of their duties this reporting year.	2
Enter the number of these employees who received training on your IPM policy and IPM standard operating procedures within the last 3 years.	2
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%

C.9.d ▶ Require Contractors to Implement IPM			
Did your municipality contract with any pesticide service provider in the reporting year?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/> No
If yes, attach one of the following:			
<input checked="" type="checkbox"/>	Contract specifications that require adherence to your IPM policy and standard operating procedures, OR		
<input type="checkbox"/>	Copy(ies) of the contractors' IPM certification(s) or equivalent, OR		
<input type="checkbox"/>	Equivalent documentation.		
<p>If Not attached, explain:</p> <p>The City adopted its IPM policy in September 2002. The City notified its contract structural pest control operator about the policy and IPM plan in writing at the time of the policy adoption and again in FY 11-12. The City has not changed pest control operators since adoption of the policy and development of the IPM plan. Bay Valley Pest Control has implemented IPM practices at City facilities including using less toxic products. The City's contract specifications for Pest Control Services includes a section requiring selection of "environmentally friendly" pesticides and chemicals, but does not specifically require the contractor to follow the City's IPM Policy. The Environmental Safety Coordinator has requested that the City Finance Department, which administer contracts, revise the Pest Control Services contract to include a section requiring adherence to the City's IPM Policy. Contract specifications will be revised to include the IPM policy requirement when the contract is up for renewal. During FY 13-14, the City contracted with a private company to operate the golf course. The contract with the golf course operator included language about implementing the IPM policy, and City staff met with representatives from the golf course operator to review the policy and discuss data reporting. A copy of the IPM related language in the contract with the golf course operator is included in Appendix 9-5.</p>			

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

C.9.f ▶ Interface with County Agricultural Commissioners

Did your municipal staff observe any improper pesticide usage or evidence of improper usage (e.g., pesticides in storm drain systems, along street curbs, or in receiving waters) during this fiscal year?	<input type="checkbox"/>	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.				

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

Provide a summary of public outreach at point of purchase, and any measurable awareness and behavior changes resulting from outreach (here or in a separate report); **OR** reference a report of a regional effort for public outreach in which your agency participates.

Summary:

The following separate reports developed by SCVURPPP and BASMAA summarize point of purchase outreach efforts conducted during FY 14-15:

- FY 14-15 Store Employee Training Report (SCVURPPP)
- FY 14-15 Store Employee Training Evaluation Summary (SCVURPPP)
- FY 14-15 Store Employee Training Status Table (SCVURPPP)
- FY 14-15 List of Stores in the IPM Store Partnership Program (SCVURPPP)
- FY 14-15 BASMAA “Our Water, Our World” (OWOW) Report (BASMAA)

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:

The following separate reports developed by SCVURPPP summarize Public Outreach: Pest Control Operators efforts conducted during FY 14-15:

- FY 14-15 Watershed Watch Campaign Final Report
- FY 14-15 Green Gardener Training Report

These reports are included within the C.7 Public Information and Outreach and C.9 Pesticides Toxicity Control sections of Program’s FY 14-15 Annual Report.

Section 10 - Provision C.10 Trash Load Reduction

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

Provide the following:

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

Type of Device	# of Devices	Acres Treated in FY 14-15 by Trash Generation Category				
		Low	Moderate	High	Very High	Total
Hydrodynamic Separator Units	30 (27 Public, 3 Private)	166	155	84	0	405
Total for all Types	30	166	155	84	0	405
Required by Permit						112

The large full trash capture devices (FTCD) that are installed in the City of Mountain View are required to be inspected annually and serviced as needed. The four, City-owned FTCDs are inspected and maintained by Utilities personnel and/or Wastewater-Stormwater inspectors. Three City-owned FTCD were maintained in the summer of 2014, and the large FTCD that was installed to comply with the minimum full trash capture device requirement in the MRP on Leland Ave. was maintained on January 13, 2015. No issues or problems were identified during the maintenance events, though the trash capture device that is located near the City's Senior Center collects so little trash, Utilities Crews are considering reducing the maintenance frequency to annual instead of semi-annual. The City implements an inspection program to verify if the private FTCDs are maintained and appear to be functioning properly. The City also has tracking to track maintenance of the private FTCDs. No issues were reported or identified during maintenance events of the privately owned FTCD.

With regard to the large FTCD on Leland Ave, after the floating trash and leaf debris was vacuumed and removed, approximately two truckloads of water were pumped out before the settled material was reached at the bottom of the system. The settled material, which was mostly vegetation with a small amount of trapped trash (and an unfortunate raccoon that became trapped in the device), was also removed. The collected solids were dumped onto a drying pad. If large FTCDs will be installed in the future, design modification to include a downstream manhole for simplified pumping will be considered.

Including the large device that was installed to comply with the minimum full trash capture requirement, there are 30 FTCDs installed within the Mountain View City limits. Most of these full trash capture devices were installed in conjunction with private developments. Three of the 22 FTCDs were installed in the public right of way to comply with new development stormwater treatment requirements. The remaining FTCDs are located on private property and were installed to comply with new development stormwater treatment requirements.

The City is evaluating the possibility of installing FTCD in additional locations to meet the requirements of the MRP. The City has hired consultants to develop a Trash Capture Feasibility Study which is anticipated to be completed by the end of September 2015. For areas of the City where installation of large FTCD are infeasible, smaller full capture devices may be evaluated. There are currently no small FTCD installed within the City of Mountain View. The City anticipates coordinating with other Cities and Agencies that have installed small FTCD to evaluate the practicality of potentially installing small FTCDs. In FY 14-15, the City also participated in the initial development of a Model Trash Full Capture Device Operation and Maintenance (O&M) Verification Program initiated by SCVURPPP. The model program is intended to provide Permittees with a template for documenting O&M procedures, including inspection and maintenance frequencies. Over the course of the next year, the City plans to further document the city-specific O&M verification program by tailoring the Model Program developed by SCVURPPP to incorporate city-specific characteristics/processes. Additional details on the City's O&M verification program will be included in our FY15-16 Annual Report.

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

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

Trash Hot Spot	FY 14-15 Cleanup Date(s)	Volume of Trash Removed (cubic yards)					Dominant Type(s) of Trash in FY 2014-15	Trash Sources in FY 2014-15 (where possible)
		FY 2010-11	FY 2011-12	FY 2012-13	FY 2013-14	FY 2014-15		
MOVO1	9/20/2014	5.9	6.2	6.4	5.1	1.2	Fabric and cloth, Bottles (plastic or glass), Other plastic products, Spray paint cans, Convenience/Fast Food items	Homeless encampments, Illegal dumping, Litter, Outfall
MOVO2	9/20/2014	4.1	4.4	2.7	3.5	0.3	Fabric and cloth, Convenience/Fast Food items, Paper and cardboard, Bottles (plastic or glass), Cigarette butts	Litter, Homeless encampments, Trash accumulation, Unknown
MOVO3	9/20/2014	6.9	7.0	5.8	3.5	1.2	Spray paint cans, Fabric and cloth, Paper and cardboard, Convenience/Fast Food items, Glass pieces	Litter, Illegal dumping, Homeless encampments, Trash accumulation

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

Additional cleanup events to those reported above were conducted at:

MOV01 on 5/16/15 - 1,060 gallons

MOV02 on 5/16/15 - 1,050 gallons

MOV03 on 5/16/15 - 1,040 gallons

TOTAL= 3,150 gallons

Percentage reductions associated with these cleanups are included in Section C.10.d - Part C.

C.10.c ► Long-Term Trash Load Reduction Plan	
Provide descriptions of significant revisions made to your Long-term Trash Load Reduction Plan submitted to the Water Board in February 2014. Describe significant changes made to primary or secondary trash management areas (TMA), trash generation maps, control measures, or time schedules identified in your plan.	
Description of Significant Revision	Associated TMA
No significant revisions to the City's Long-term Trash Load Reduction Plan have been implemented during FY 14-15. The City has proceeded with undertaking a Citywide Trash Capture Feasibility Study and anticipates the final draft to be submitted to the City's Public Works Department by the end of September 2015. The Trash Capture Feasibility Study was undertaken to help determine where full trash capture devices can be installed to reach the City's goal of achieving compliance with the MRP's full trash capture requirements.	N/A

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 Reusable Bag Ordinance prohibits single-use carryout bags at retail stores in Mountain View and within cities that have adopted the Ordinance. Starting April 22, 2013, reusable bags or bags made of recycled content paper may be provided, but only if the store charges a minimum price of 10 cents per paper or reusable bag. The 10 cent bag charge is non-taxable. Customers may bring their own bags to shop at no charge. http://www.ci.mtnview.ca.us/depts/pw/recycling/zero/bags.asp	Although the City has adopted and implemented an ordinance prohibiting the distribution of single-use plastic bags, evaluations of the effectiveness of the ordinance have not yet been conducted. For the purpose of estimating trash reductions in stormwater discharges associated with the single-use bag ordinance, the results of assessments conducted by the cities of San Jose and Palo Alto were used to represent the reduction of trash associated with the City's ordinance. Assessments	Results of assessments that are representative of the City, but were conducted by the cities of San Jose and Palo Alto, indicate that City's single-use bag ordinance is effective in reducing single use plastic bags in stormwater discharges. This conclusion is based on the following assessment results: 1) An average of 91% of businesses affected by the ordinance are no longer distributing single use plastic bags; 2) An average of 93% of customers observed at these	7%

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
		<p>conducted by these cities were conducted prior to and following the effective date of their ordinances, and include audits of businesses, surveys of customer bag usage, and assessments of bags observed on streets, storm drains and local creeks. The results of assessments conducted by these cities are assumed to be representative of the effectiveness of the City's ordinance because the implementation (including enforcement) of the City's ordinance is similar to the City of San Jose's and Palo Alto's.</p> <p>In FY 14-15, SCVURPPP initiated a Storm Drain Trash Characterization Project designed to assist in evaluating the effectiveness of product-based ordinances. The project entails removing and characterizing trash in full capture devices throughout the Santa Clara Valley. The results of this project will be available in FY 15-16 and will provide additional information on trash reductions associated with the City of Mountain View's ordinance.</p>	<p>businesses are no longer using single use plastic bags; and 3) An average of 76% less plastic bags are observed on streets, storm drains and/or local creeks. Based on these results, the estimated average reduction of single use plastic bags in stormwater discharges is 87%. Assuming single use bags are 8% of the trash observed in stormwater discharges, the City concludes that there has been a 7% (i.e., 8% x 87%) reduction in trash in stormwater discharges as a result of the ordinance.</p>	

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
Expanded Polystyrene Food Service Ware Ordinance or Policy	<p>The City adopted an Ordinance that prohibits food providers from dispensing food & beverages prepared on the premises for “dine-in” or “take-out” to customers using polystyrene “foam” food service ware. The Ordinance also prohibits the sale of polystyrene foam food service ware & foam ice chests/coolers at stores in Mountain View. It does not affect prepackaged foods in foam cups or trays like ramen noodles, raw eggs, meat, fish or poultry. “Food provider” means a vendor, business, organization, entity, group or individual that offers food or beverages to the public for consumption on or off premises, regardless of whether there is a charge for food, such as a: restaurant, bar, pub, caterer, cafeteria, coffee shop, deli, liquor or convenience store, grocery, mobile food truck, push-cart, sidewalk or other outdoor vendor, road-side stand, festival or any retail food establishment. The Mountain View City Council adopted the Ordinance on March 25, 2014. It became effective on July 1, 2014. http://www.ci.mtnview.ca.us/depts/pw/r recycling/zero/foam.asp</p>	<p>Although the City has adopted and implemented an ordinance prohibiting the distribution of EPS food ware by food vendors, evaluations of the effectiveness of the ordinance have not yet been conducted. For the purpose of estimating trash reductions in stormwater discharges associated with the ordinance, the results of assessments conducted by the cities of Los Altos and Palo Alto were used to represent the reduction of trash associated with the City’s ordinance. Assessments conducted by these cities were conducted prior to and following the effective date of their ordinances, and include audits of businesses and/or assessments of EPS food ware observed on streets, storm drains and local creeks. The results of assessments conducted by these cities are assumed to be representative of the effectiveness of the City’s ordinance because the implementation (including enforcement) of the City’s ordinance is similar to the City of Los Altos’ and Palo Alto’s.</p> <p>(continued next page)</p>	<p>Results of assessments that are representative of the City, but were conducted by the cities of Los Altos and Palo Alto, indicate that City’s ordinance is effective in reducing EPS food ware in stormwater discharges. This conclusion is based on the following assessment results: 1) An average of 95% of businesses affected by the ordinance are no longer distributing/selling EPS food ware. Based on these results, the estimated average reduction of EPS food ware in stormwater discharges is 90%. Assuming EPS food ware is 6% of the trash observed in stormwater discharges, the City concludes that there has been a 5% (i.e., 6% x 90%) reduction in trash in stormwater discharges as a result of the ordinance.</p>	<p>5%</p>

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
		In FY 14-15, SCVURPPP initiated a Storm Drain Trash Characterization Project designed to assist in evaluating the effectiveness of product-based ordinances. The project entails removing and characterizing trash in full capture devices throughout the Santa Clara Valley. The results of this project will be available in FY 15-16 and will provide additional information on trash reductions associated with the City of Mountain View's ordinance.		
Other Source Control Actions with sufficient documentation and supporting assessment	Public Education and Outreach Programs Targeted at Trash Reduction and Implemented post-MRP Adoption	On behalf of the City, SCVURPPP and BASMAA also implemented public education and outreach actions at the countywide and regional scales that were targeted at reducing the impacts of trash on local water bodies. For descriptions of these activities, please see Section 7 of the Program's Annual Report.	Reductions/trends in the levels of trash in stormwater discharges that occur as a result of the implementation of Public Ed. & Outreach campaigns and programs are difficult to measure. Both the inherent spatial & temporal variability in trash generation & the timeframes by which behavior change occurs as a result of education & outreach largely governs our ability to link this control measure to water quality outcomes. Changing littering behaviors is paramount to the long-term success of trash management programs. As described in Section 7 of the Program's Annual Report, the City has spent significant resources on local, county-wide, and pub. education & outreach programs that are slowly reducing the generation of trash at its source. Based on the results of assessments conducted by BASMAA in FY 13-14 to assess the effectiveness & impacts of their youth litter campaign "Be the Street" (see Program's Section 7), a modest	1%

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
			conservative load reduction associated with public education and outreach programs is assumed.	

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

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

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

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

where:

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

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category			
					VH	H	M	L
1	772	Improper bin trash management, litter associated with vehicles, and pedestrian litter.	Food wrapper waste, plastic waste	Baseline Generation Areas (2009)	0	98	372	302
Full Capture Devices	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices		Area Treated by <u>Full Capture Devices</u>	0	19	0	8
	27	This TMA has: 4 Hydrodynamic Separators.						
Actions other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption			Area <u>Not</u> Treated by Full Capture Devices	0	79	372	294
	Increased inspections and improved trash bin/container management has occurred in much of TMA#1 post-2009 due to the MRP requirement that stormwater violations be addressed within 10-working days. TMA#1 has many industrial and commercial facilities. These facilities have been inspected on an annual basis for many years, but inspections since 2009 have focused more specifically on trash and have necessitated additional inspections to verify compliance with stormwater requirements.			Area after Accounting for Other Actions (based on assessment results)	0	79	372	294
	Assessment Methods for Control Measures Other than Full Capture Devices							
	To assess environmental outcomes associated with control measures other than full capture devices, visual on-land trash assessments were conducted using a standard on-land visual assessment protocol developed by BASMAA member agencies. For each TMA assessed, sites were selected using a probabilistic sample draw that allows for extrapolation within the applicable TMA. Sites that have been assessed more than once in this fiscal year have had their assessment results averaged. In fiscal years 2013-2014 and 2014-2015, the City of Mountain View conducted 61 visual assessments at 61 sites to assess the level of trash observed on-land in priority TMAs. Through this effort, approximately 63,500 linear feet of streets and sidewalks were assessed.							
	Summary of Assessment Results							
No assessments were conducted in this TMA								
Area After Taking into Account Full Capture Devices AND Other Actions					0	79	372	321

Estimated % Trash Reduction in this TMA	10%
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C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres) ¹	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category ¹			
					VH	H	M	L
2	652	Improper bin trash management at large office campuses and litter and pedestrian litter.	Plastic wrappers (convenience store goods, etc.), paper products, fast-food packaging.	Baseline Generation Areas (2009)	0	31	551	71
Full Capture Devices	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices		Area Treated by <u>Full Capture Devices</u>	0	2	1	0
	2	This TMA has: 2 Hydrodynamic Separators.						
Actions other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption			Area <u>Not</u> Treated by Full Capture Devices	0	29	550	71
	<p>City crews maintain one City-owned lot adjacent to Shoreline Park. On-land trash cleanup activities include picking up litter at the park and ensuring that garbage cans are emptied to prevent litter or trash spills. City Crews also maintain two parks within TMA#2. While not coordinated with the City, many of the large companies that work in Trash Management Area #2 pick up trash on their campuses and will organize volunteers to clean stretches of trails that run through the management area. One company installed trash capture inserts in the private, on-site storm drain inlets along the loading dock areas of the facility. A number of properties in TMA#2 have been re-developed and include treatment controls that meet LID requirements. The types of controls installed at these properties include bio-treatment basins as well as improved trash enclosures and containers. These properties account for approximately 8 acres, and the treatment controls are inspected by the City. Another property currently under construction will treat approximately 10.2 acres using LID controls. The City inspects and tracks maintenance of these devices.</p>			Area after Accounting for Other Actions (based on assessment results)	0	29	550	71
	Assessment Methods for Control Measures Other than Full Capture Devices							

¹ Total area may not be consistent due to rounding

	To assess environmental outcomes associated with control measures other than full capture devices, visual on-land trash assessments were conducted using a standard on-land visual assessment protocol developed by BASMAA member agencies. For each TMA assessed, sites were selected using a probabilistic sample draw that allows for extrapolation within the applicable TMA. Sites that have been assessed more than once in this fiscal year have had their assessment results averaged. In fiscal years 2013-2014 and 2014-2015, the City of Mountain View conducted 61 visual assessments at 61 sites to assess the level of trash observed on-land in priority TMAs. Through this effort, approximately 63,500 linear feet of streets and sidewalks were assessed.					
	Summary of Assessment Results					
	No assessments were conducted in this TMA					
		Area After Taking into Account Full Capture Devices AND Other Actions	0	29	550	73
		Estimated % Trash Reduction in this TMA	1%			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category			
					VH	H	M	L
3	140	Vehicle and pedestrian litter, improper bin management	Plastics, paper, food wrappers	Baseline Generation Areas (2009)	0	6	127	7
Full Capture Devices	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices		Area Treated by <u>Full Capture Devices</u>	0	0	0	0
	0	There are no full capture devices installed in this TMA.						
Actions other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption			Area <u>Not</u> Treated by Full Capture Devices	0	6	127	7
	One property in TMA#3 was redeveloped during FY 13-14 and includes C.3-compliant stormwater treatment. The City inspects and tracks maintenance of the treatment system. No issues with regard to performance or maintenance of the treatment system have been identified. The City will explore potential locations to install curb-inlet screens (both with insert baskets and without) in locations throughout TMA#3. The City will continue to enforce the new and redevelopment requirements and 'partial-capture' devices are likely to be installed at additional locations. The City has also increased the number of facilities inspected in TMA#3 and includes specific information/outreach to the businesses in the TMA regarding trash management during the inspections.			Area after Accounting for Other Actions (based on assessment results)	0	13	49	78

Assessment Methods for Control Measures Other than Full Capture Devices					
To assess environmental outcomes associated with control measures other than full capture devices, visual on-land trash assessments were conducted using a standard on-land visual assessment protocol developed by BASMAA member agencies. For each TMA assessed, sites were selected using a probabilistic sample draw that allows for extrapolation within the applicable TMA. Sites that have been assessed more than once in this fiscal year have had their assessment results averaged. In fiscal years 2013-2014 and 2014-15, the City of Mountain View conducted 61 visual assessments at 61 sites to assess the level of trash observed on-land in priority TMAs. Through this effort, approximately 63,500 linear feet of streets and sidewalks were assessed.					
Summary of Assessment Results					
A total of 7 assessments were performed at 7 sites in this TMA using the on-land visual assessment protocol. Approximately 7,400 linear feet (36%) of streets and sidewalks were assessed in this TMA. Only areas with M, H, or VH generation rates were assessed. For those areas assessed, 54% were L, 36% were M, 10% were H, and 0% were VH.					
Area After Taking into Account Full Capture Devices AND Other Actions		0	13	49	78
Estimated % Trash Reduction in this TMA		32%			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category			
					VH	H	M	L
4	205	Vehicle & ped. litter, illegal dumping assoc. with homelessness & improper bin management	Plastic associated with beverage containers, food wrappers	Baseline Generation Areas (2009)	0	16	132	57
Full Capture Devices	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices		Area Treated by <u>Full Capture Devices</u>	0	0	2	2
	4	This TMA has: 2 Hydrodynamic Separators.						
Actions other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption			Area <u>Not</u> Treated by Full Capture Devices	0	16	130	55
	The City has increased the number of facilities inspected in TMA#4 and includes specific information/outreach to the businesses in the TMA regarding trash management during the inspections. TMA #4 has a number of properties that are currently being redeveloped- including a multi-acre development that will have partial and full-trash capture facilities installed on-site.			Area after Accounting for Other Actions (based on	0	16	130	55

	Assessment Methods for Control Measures Other than Full Capture Devices	assessment results)				
	To assess environmental outcomes associated with control measures other than full capture devices, visual on-land trash assessments were conducted using a standard on-land visual assessment protocol developed by BASMAA member agencies. For each TMA assessed, sites were selected using a probabilistic sample draw that allows for extrapolation within the applicable TMA. Sites that have been assessed more than once in this fiscal year have had their assessment results averaged. In fiscal years 2013-2014 and 2014-2015, the City of Mountain View conducted 61 visual assessments at 61 sites to assess the level of trash observed on-land in priority TMAs. Through this effort, approximately 63,500 linear feet of streets and sidewalks were assessed.					
	Summary of Assessment Results					
	No assessments were conducted in this TMA					
Area After Taking into Account Full Capture Devices AND Other Actions			0	16	130	59
Estimated % Trash Reduction in this TMA			1%			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category			
					VH	H	M	L
5	524	Pedestrian litter, trash from vehicles	Food wrappers, cigarette butts	Baseline Generation Areas (2009)	0	13	397	114
Full Capture Devices	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices		Area Treated by <u>Full Capture Devices</u>	0	0	8	12
	20	This TMA has: 4 Hydrodynamic Separators.						
Actions other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption			Area <u>Not</u> Treated by Full Capture Devices	0	13	389	102
	Biotreatment facilities that treat runoff from 39.3 acres of land have been installed in TMA#5 associated with redevelopment. The treatment controls are inspected by City Staff. Multiple, large, residential redevelopments are anticipated to occur and/or are being constructed in TMA#5 which will include C.3-compliant and LID stormwater treatment facilities in the next few years.			Area after Accounting for Other Actions (based on	0	11	10	483

Assessment Methods for Control Measures Other than Full Capture Devices	assessment results)				
	To assess environmental outcomes associated with control measures other than full capture devices, visual on-land trash assessments were conducted using a standard on-land visual assessment protocol developed by BASMAA member agencies. For each TMA assessed, sites were selected using a probabilistic sample draw that allows for extrapolation within the applicable TMA. Sites that have been assessed more than once in this fiscal year have had their assessment results averaged. In fiscal years 2013-2014 and 2014-2015, the City of Mountain View conducted 61 visual assessments at 61 sites to assess the level of trash observed on-land in priority TMAs. Through this effort, approximately 63,500 linear feet of streets and sidewalks were assessed.				
	Summary of Assessment Results				
	A total of 17 assessments were performed at 17 sites in this TMA using the on-land visual assessment protocol. Approximately 18,500 linear feet (36%) of streets and sidewalks were assessed in this TMA. Only areas with M, H, or VH generation rates were assessed. For those areas assessed, 95% were L, 2% were M, 3% were H, and 0% were VH.				
Area After Taking into Account Full Capture Devices AND Other Actions		0	11	10	503
Estimated % Trash Reduction in this TMA		88%			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)									
TMA ID	TMA Area (Acres) ²	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category ²				
					VH	H	M	L	
6	282	Vehicle & pedestrian litter & improper bin/container management	Plastic, beverage containers food wrappers	Baseline Generation Areas (2009)	0	105	134	44	
Full Capture Devices	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices			Area Treated by <u>Full Capture Devices</u>	0	12	2	0
	14	This TMA has: 1 Hydrodynamic Separator.							
other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption				Area <u>Not</u> Treated by Full Capture Devices	0	92	132	44

² Total area may not be consistent due to rounding

<p>Two properties in TMA#6 were redeveloped in FY 13-14 and included stormwater treatment controls. The second phase of the project is currently underway and will include additional full trash capture devices. Biotreatment facilities that treat runoff from approximately 5 acres of land were installed, and the second phase of the project is currently being constructed which will include additional C.3 compliant stormwater treatment facilities. The treatment controls are inspected by City Staff. No issues associated with the maintenance of these facilities have been identified.</p>	<p>Area after Accounting for Other Actions (based on assessment results)</p>	0	92	132	44	
						<p>Assessment Methods for Control Measures Other than Full Capture Devices</p>
						<p>To assess environmental outcomes associated with control measures other than full capture devices, visual on-land trash assessments were conducted using a standard on-land visual assessment protocol developed by BASMAA member agencies. For each TMA assessed, sites were selected using a probabilistic sample draw that allows for extrapolation within the applicable TMA. Sites that have been assessed more than once in this fiscal year have had their assessment results averaged. In fiscal years 2013-2014 and 2014-2015, the City of Mountain View conducted 61 visual assessments at 61 sites to assess the level of trash observed on-land in priority TMAs. Through this effort, approximately 63,500 linear feet of streets and sidewalks were assessed.</p>
						<p>Summary of Assessment Results</p>
<p>No assessments were conducted in this TMA</p>						
<p>Area After Taking into Account Full Capture Devices AND Other Actions</p>		0	92	132	58	
<p>Estimated % Trash Reduction in this TMA</p>		9%				

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres) ³	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category ³			
					VH	H	M	L
7	269	Vehicle and pedestrian litter and improper bin/container management	Food wrappers, beverage containers, convenience store packaging	Baseline Generation Areas (2009)	0	46	170	54
Full Capture Devices	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices		Area Treated by <u>Full Capture Devices</u>	0	16	65	0
	80	This TMA has: 2 Hydrodynamic Separators.						

³ Total area may not be consistent due to rounding

Actions other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption	Area <u>Not</u> Treated by Full Capture Devices	0	30	105	54
	The City filled a vacant inspector position in 2012 and the frequency of inspections at commercial and industrial facilities increased in TMA#7. TMA#7 includes many commercial and food service facilities and the increased inspection frequency contributes to improved bin management as well as more frequent opportunities for education and outreach regarding trash reduction. TMA #7 is being considered as a location for installation of a large full trash capture device as part of the Citywide Trash Capture Feasibility Study.	Area after Accounting for Other Actions (based on assessment results)	0	1	105	83
	Assessment Methods for Control Measures Other than Full Capture Devices					
	To assess environmental outcomes associated with control measures other than full capture devices, visual on-land trash assessments were conducted using a standard on-land visual assessment protocol developed by BASMAA member agencies. For each TMA assessed, sites were selected using a probabilistic sample draw that allows for extrapolation within the applicable TMA. Sites that have been assessed more than once in this fiscal year have had their assessment results averaged. In fiscal years 2013-2014 and 2014-2015, the City of Mountain View conducted 61 visual assessments at 61 sites to assess the level of trash observed on-land in priority TMAs. Through this effort, approximately 63,500 linear feet of streets and sidewalks were assessed.					
	Summary of Assessment Results					
	A total of 11 assessments were performed at 11 sites in this TMA using the on-land visual assessment protocol. Approximately 11,000 linear feet (35%) of streets and sidewalks were assessed in this TMA. Only areas with M, H, or VH generation rates were assessed. For those areas assessed, 22% were L, 78% were M, 1% were H, and 0% were VH.					
Area After Taking into Account Full Capture Devices AND Other Actions		0	1	105	163	
Estimated % Trash Reduction in this TMA		69%				

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category			
					VH	H	M	L
8	117	Pedestrian litter and improper bin/container management	Food waste, cigarette butts, plastic wrappers	Baseline Generation Areas (2009)	0	17	52	48
Full Capture Devices	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices		Area Treated by <u>Full Capture Devices</u>	0	0	0	0
	0	This TMA has: 1 Hydrodynamic Separator.						

Actions other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption			Area Not Treated by Full Capture Devices	0	17	52	48
	The City filled a vacant inspector position in 2012 and the frequency of inspections at commercial and industrial facilities increased in TMA#8. TMA#8 includes many commercial and food service facilities and the increased inspection frequency contributes to improved bin management as well as more frequent opportunities for education and outreach regarding trash reduction. TMA #8 is being considered as a location for installation of a small full trash capture device as part of the Citywide Trash Capture Feasibility Study.			Area after Accounting for Other Actions (based on assessment results)	0	17	52	48
	Assessment Methods for Control Measures Other than Full Capture Devices							
	To assess environmental outcomes associated with control measures other than full capture devices, visual on-land trash assessments were conducted using a standard on-land visual assessment protocol developed by BASMAA member agencies. For each TMA assessed, sites were selected using a probabilistic sample draw that allows for extrapolation within the applicable TMA. Sites that have been assessed more than once in this fiscal year have had their assessment results averaged. In fiscal years 2013-2014 and 2014-2015, the City of Mountain View conducted 61 visual assessments at 61 sites to assess the level of trash observed on-land in priority TMAs. Through this effort, approximately 63,500 linear feet of streets and sidewalks were assessed.							
	Summary of Assessment Results							
	No assessments were conducted in this TMA							
Area After Taking into Account Full Capture Devices AND Other Actions				0	17	52	48	
Estimated % Trash Reduction in this TMA				0%				

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres) ⁴	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category ⁴			
					VH	H	M	L
9	262	Litter from vehicles and pedestrians	Food waste, cigarette butts, plastic wrappers	Baseline Generation Areas (2009)	0	2	173	86
Capture Division	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices		Area Treated by Full Capture	0	0	9	0

⁴ Total area may not be consistent due to rounding

	9	This TMA has: 1 Hydrodynamic Separator.	<u>Devices</u>				
Actions other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption		Area Not Treated by Full Capture Devices	0	2	164	86
	City crews maintain one park located in TMA #9. On-land trash cleanup activities include picking up litter at the park and ensuring that garbage cans are emptied to prevent litter or trash spills. Single-Use Carryout Bag Policies, Polystyrene Foam Food Service Ware Policies, Public Education and Outreach Program have helped to reduce the trash generated in TMA#9 since the implementation of the MRP.		Area after Accounting for Other Actions (based on assessment results)	0	0	56	197
	Assessment Methods for Control Measures Other than Full Capture Devices						
	To assess environmental outcomes associated with control measures other than full capture devices, visual on-land trash assessments were conducted using a standard on-land visual assessment protocol developed by BASMAA member agencies. For each TMA assessed, sites were selected using a probabilistic sample draw that allows for extrapolation within the applicable TMA. Sites that have been assessed more than once in this fiscal year have had their assessment results averaged. In fiscal years 2013-2014 and 2014-2015, the City of Mountain View conducted 61 visual assessments at 61 sites to assess the level of trash observed on-land in priority TMAs. Through this effort, approximately 63,500 linear feet of streets and sidewalks were assessed.						
	Summary of Assessment Results						
A total of 19 assessments were performed at 19 sites in this TMA using the on-land visual assessment protocol. Approximately 19,200 linear feet (55%) of streets and sidewalks were assessed in this TMA. Only areas with M, H, or VH generation rates were assessed. For those areas assessed, 67% were L, 33% were M, 0% were H, and 0% were VH.							
Area After Taking into Account Full Capture Devices AND Other Actions				0	0	56	206
Estimated % Trash Reduction in this TMA				69%			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category			
					VH	H	M	L
10	241	Pedestrian litter, improper bin/container management	Food wrappers, cigarette butts	Baseline Generation Areas (2009)	0	123	105	12
Full Capture Devices	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices		Area Treated by <u>Full Capture Devices</u>	0	36	26	4
	65	This TMA has: 4 Hydrodynamic Separators.						
Actions other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption			Area <u>Not</u> Treated by Full Capture Devices	0	87	80	9
	City crews maintain one park located in TMA #10. On-land trash cleanup activities include picking up litter at the park and ensuring that garbage cans are emptied to prevent litter or trash spills. Two properties totaling approx. 1 acre of land have been developed with LID stormwater treatment controls incorporated into the project. The City inspects and tracks maintenance of these facilities. Two additional large-scale redevelopment projects are proposed and/or under construction in TMA#10 that will include C.3-compliant stormwater treatment facilities as well as LID treatment facilities.			Area after Accounting for Other Actions (based on assessment results)	0	87	80	9
	Assessment Methods for Control Measures Other than Full Capture Devices							
	To assess environmental outcomes associated with control measures other than full capture devices, visual on-land trash assessments were conducted using a standard on-land visual assessment protocol developed by BASMAA member agencies. For each TMA assessed, sites were selected using a probabilistic sample draw that allows for extrapolation within the applicable TMA. Sites that have been assessed more than once in this fiscal year have had their assessment results averaged. In fiscal years 2013-2014 and 2014-2015, the City of Mountain View conducted 61 visual assessments at 61 sites to assess the level of trash observed on-land in priority TMAs. Through this effort, approximately 63,500 linear feet of streets and sidewalks were assessed.							
	Summary of Assessment Results							
No assessments were conducted in this TMA								
Area After Taking into Account Full Capture Devices AND Other Actions					0	87	80	74
Estimated % Trash Reduction in this TMA					28%			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)									
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category				
					VH	H	M	L	
11	173	Pedestrian litter	Food wrappers	Baseline Generation Areas (2009)	0	38	7	127	
Full Capture Devices	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices			Area Treated by Full Capture Devices	0	0	7	0
	7	This TMA has: 2 Hydrodynamic Separators.							
Actions other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption				Area Not Treated by Full Capture Devices	0	38	0	127
	<p>City crews maintain one park located in TMA #11. On-land trash cleanup activities include picking up litter at the park and ensuring that garbage cans are emptied to prevent litter or trash spills. Approximately 1 acre of area drains to a grass swale. The City inspects and tracks maintenance of the swale. No issues with regard to performance or maintenance of the swale have been identified. Another property was redeveloped to include a biotreatment basin. Approximately 0.8 acres of land drains to the treatment facility, which is inspected by the City. No issues with regard to performance or maintenance of the biotreatment basin have been identified.</p>				Area after Accounting for Other Actions (based on assessment results)	0	38	0	127
	Assessment Methods for Control Measures Other than Full Capture Devices								
	<p>To assess environmental outcomes associated with control measures other than full capture devices, visual on-land trash assessments were conducted using a standard on-land visual assessment protocol developed by BASMAA member agencies. For each TMA assessed, sites were selected using a probabilistic sample draw that allows for extrapolation within the applicable TMA. Sites that have been assessed more than once in this fiscal year have had their assessment results averaged. In fiscal years 2013-2014 and 2014-2015, the City of Mountain View conducted 61 visual assessments at 61 sites to assess the level of trash observed on-land in priority TMAs. Through this effort, approximately 63,500 linear feet of streets and sidewalks were assessed.</p>								
	Summary of Assessment Results								
<p>A total of 7 assessments were performed at 7 sites in this TMA using the on-land visual assessment protocol. Approximately 7,400 linear feet (37%) of streets and sidewalks were assessed in this TMA. Only areas with M, H, or VH generation rates were assessed. For those areas assessed, 74% were L, 0% were M, 26% were H, and 0% were VH.</p>									
Area After Taking into Account Full Capture Devices AND Other Actions					0	38	0	134	

Estimated % Trash Reduction in this TMA	5%
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C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)									
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category				
					VH	H	M	L	
12	3,133	Pedestrian litter, vehicle litter. Improper bin maintenance	Convenience store packaging/wrappers, plastic from beverage containers	Baseline Generation Areas (2009)	0	3	60	3,070	
Full Capture Devices	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices			Area Treated by Full Capture Devices	0	0	1	141
	142	This TMA has: 5 Hydrodynamic Separators.							
Actions other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption				Area Not Treated by Full Capture Devices	0	3	59	2929
	<p>Nine properties have been re-developed and include treatment controls. The types of controls installed at these properties include biotreatment basins and "tree-well" filter systems. These properties account for approximately 27.9 acres, and the treatment controls are inspected by the City.</p>				Area after Accounting for Other Actions (based on assessment results)	0	3	59	2929
	Assessment Methods for Control Measures Other than Full Capture Devices								
	<p>To assess environmental outcomes associated with control measures other than full capture devices, visual on-land trash assessments were conducted using a standard on-land visual assessment protocol developed by BASMAA member agencies. For each TMA assessed, sites were selected using a probabilistic sample draw that allows for extrapolation within the applicable TMA. Sites that have been assessed more than once in this fiscal year have had their assessment results averaged. In fiscal years 2013-2014 and 2014-2015, the City of Mountain View conducted 61 visual assessments at 61 sites to assess the level of trash observed on-land in priority TMAs. Through this effort, approximately 63,500 linear feet of streets and sidewalks were assessed.</p>								
	Summary of Assessment Results								
No assessments were conducted in this TMA									
Area After Taking into Account Full Capture Devices AND Other Actions					0	3	59	3,071	

Estimated % Trash Reduction in this TMA	1%
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C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category			
					VH	H	M	L
Parks	25	Pedestrian litter, vehicle litter	Food wrappers, plastic associated with food containers	Baseline Generation Areas (2009)	0	0	25	0
Full Capture Devices	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices		Area Treated by <u>Full Capture Devices</u>	0	0	9	0
	9	This TMA is partially treated by devices within neighboring TMAs.						
Actions other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption			Area <u>Not</u> Treated by Full Capture Devices	0	0	17	0
	City crews maintain the City's Parks including on-land trash cleanup activities, picking up litter at the park and ensuring that garbage cans are emptied to prevent litter or trash spills. Single-Use Carryout Bag Policies, Polystyrene Foam Food Service Ware Policies, Public Education and Outreach Program have helped to reduce the trash generated in TMA #Parks since the implementation of the MRP.			Area after Accounting for <u>Other Actions</u> (based on assessment results)	0	0	17	0
	Assessment Methods for Control Measures Other than Full Capture Devices							
	To assess environmental outcomes associated with control measures other than full capture devices, visual on-land trash assessments were conducted using a standard on-land visual assessment protocol developed by BASMAA member agencies. For each TMA assessed, sites were selected using a probabilistic sample draw that allows for extrapolation within the applicable TMA. Sites that have been assessed more than once in this fiscal year have had their assessment results averaged. In fiscal years 2013-2014 and 2014-2015, the City of Mountain View conducted 61 visual assessments at 61 sites to assess the level of trash observed on-land in priority TMAs. Through this effort, approximately 63,500 linear feet of streets and sidewalks were assessed.							
	Summary of Assessment Results							
	No assessments were conducted in this TMA							
Area After Taking into Account Full Capture Devices AND Other Actions					0	0	17	0

Estimated % Trash Reduction in this TMA	34%
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C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)									
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		Area (Acres) in Each Trash Generation Category				
					VH	H	M	L	
Schools	172	Pedestrian litter	Food wrappers, paper, plastic associated with food/beverage containers	Baseline Generation Areas (2009)	0	0	172	0	
Full Capture Devices	Area Treated by Full Trash Capture Devices (Acres)	Quantity and Type of Full Trash Capture Devices			Area Treated by <u>Full Capture Devices</u>	0	0	26	0
	26	This TMA is partially treated by devices within neighboring TMAs.							
Actions other than Full Capture Devices	Summary Description of Other Actions Implemented in the TMA Since MRP Adoption				Area <u>Not</u> Treated by Full Capture Devices	0	0	146	0
	Seven schools include athletic fields and City park lands that are maintained by the City's Community Services Department, including litter collection and trash management. The athletic field and City parks associated with these schools consists of 49.7 acres. Single-Use Carryout Bag Policies, Polystyrene Foam Food Service Ware Policies, Public Education and Outreach Program have helped to reduce the trash generated in TMA-Schools since the implementation of the MRP.				Area after Accounting for <u>Other Actions</u> (based on assessment results)	0	0	146	0
	Assessment Methods for Control Measures Other than Full Capture Devices								
	To assess environmental outcomes associated with control measures other than full capture devices, visual on-land trash assessments were conducted using a standard on-land visual assessment protocol developed by BASMAA member agencies. For each TMA assessed, sites were selected using a probabilistic sample draw that allows for extrapolation within the applicable TMA. Sites that have been assessed more than once in this fiscal year have had their assessment results averaged. In fiscal years 2013-2014 and 2014-2015, the City of Mountain View conducted 61 visual assessments at 61 sites to assess the level of trash observed on-land in priority TMAs. Through this effort, approximately 63,500 linear feet of streets and sidewalks were assessed.								
	Summary of Assessment Results								
No assessments were conducted in this TMA									

Area After Taking into Account Full Capture Devices AND Other Actions	0	0	146	26
Estimated % Trash Reduction in this TMA	15%			

C.10.d ► PART C - Estimated Overall Trash Load Reduction

For Population-based Permittees, provide an estimate of the overall trash reduction percentage achieved to-date within the jurisdictional area of your municipality that generates problematic trash levels (i.e., Very High, High or Moderate trash generation). Base the estimate on the information presented in C.10.d - Parts A and B and receiving water cleanups not reported in C.10.b.iii.

Discussion of Trash Reduction Estimate (including Receiving Water Cleanups):

The trash load reduction estimates presented in this section provide the best available estimate of trash reduction from the City’s municipal separate stormwater sewer system (MS4). These estimates were developed consistent with the trash reduction framework developed in collaboration with Water Board staff in 2013-14, and the Pilot SCVURPPP Trash Assessment Strategy submitted to the Water Board in February 2014. All estimates are based on available information collected by the City and are subject to revision by the City based on additional information on the effectiveness of trash controls, the magnitude and extent of trash control measure implementation, and/or the levels of trash discharged from the City’s MS4.

Trash reduction estimates were based on initial data collection efforts that began in FY 13-14 and continued through FY 14-15. Reductions associated with jurisdictional-wide trash control measures, trash full capture devices, other TMA-specific control measures, and trash cleanup events in local creeks and shorelines are included. Reductions associated with jurisdictional-wide actions are based on a combination of data collection and observations applicable to the City. Reductions associated with trash full capture devices assume that trash generated in areas treated by effectively maintained devices reduce trash to a level of “no adverse impacts” to local water bodies. For control measures other than full capture devices, all reduction estimates are based on empirical observations of current trash levels (i.e., on-land visual assessments) and associated reductions in applicable trash management areas. Reductions associated with creek and shoreline cleanups are based on the amount of trash removed via these cleanups in FY 14-15, in comparison to baseline trash generation in the City. In FY 14-15 a total of 3,150 gallons of trash were removed during cleanups above and beyond those required by the MRP. For creek and shoreline cleanups, the load reduction accounting formula included in the MRP 2.0 Tentative Order was modified and used. The modified formula used in the calculation includes a 3:1 offset, as opposed to the 10:1 offset proposed in the Tentative Order. Additionally, no maximum credit was incorporated into the formula used to report the percent reduction associated with “additional creek and shoreline cleanups” reported below.

Estimated % Trash Reduction due to Jurisdictional-wide Actions (as Reported in C.10.d - Part A)	13%
Estimated % Trash Reduction in All TMAs due to Trash Full Capture Devices (as Reported in C.10.d. - Part B)	11%
Estimated % Trash Reduction in all TMAs due to Control Measures Other than Trash Full Capture Devices in All TMAs (as Reported in C.10.d. - Part B)	15%

C.10.d ► PART C - Estimated Overall Trash Load Reduction	
For Population-based Permittees, provide an estimate of the overall trash reduction percentage achieved to-date within the jurisdictional area of your municipality that generates problematic trash levels (i.e., Very High, High or Moderate trash generation). Base the estimate on the information presented in C.10.d - Parts A and B and receiving water cleanups not reported in C.10.b.iii.	
SubTotal for Above Actions	39%
Estimated % Trash Reduction due to Receiving Water Cleanups (All TMAs)	3%
Total Estimated % Trash Reduction FY 14-15	42%

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).

- 1) **Promotion of:**
 - a) Household Hazardous Waste (HHW) The City promotes the Santa Clara County HHW program through on the City website, and provides HHW handouts at local outreach events described in the Section C.7 Public Information and Outreach.
 - b) Palo Alto Regional Water Quality Control Plant Mercury Thermometer Collection Program The City also promotes the option for residents to properly dispose of mercury thermometers at the Palo Alto Regional Water Quality Control Plant’s collection site at local outreach events.

The SCVURPPP Watershed Watch Campaign conducts advertising to promote proper disposal of fluorescent lamps and other household hazardous waste. The fluorescent lamps disposal locations and thermometer take-back events are promoted on the Watershed Watch website. See Section 11 Mercury Controls of SCVURPPP’s Annual Report.

- 2) **Facilitation/Organization** of HHW drop-off events. The City of Mountain View does not provide a permanent, fixed drop-off location for mercury containing devices or equipment. Also, the City does not coordinate temporary sites for HHW drop-off events. The City contributes to these efforts through its participation in the County HHW program, as well as its partnership with the Palo Alto Regional Water Quality Control Plant, which includes a mercury thermometer collection and disposal program.

- 3) **Collection of:**
 - a) Local drop off site are available to Mountain View residents and are conveniently located at the Sunnyvale SMART station and the Palo Alto Regional Water Quality Control Plant. Mercury containing devices and equipment drop off is done on an appointment basis. Mercury-containing device or equipment drop off is available at the Palo Alto Regional Water Quality Control Plant during normal business hours.
 - b) There are 3 private drop off locations where residents can take fluorescent tubes and lamps.

C.11.a.ii ► Mercury Collection

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

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

During FY 14-15, City facilities generated 906 pounds of fluorescent tubes, 304 pounds of 4-foot fluorescent u-tubes, and 149 pounds of compact fluorescents bulbs, which were hauled for recycling.

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

Section 12 - Provision C.12 PCBs Controls

C.12.a.ii,iii ▶ Ongoing Training

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

Description:

See the FY 14-15 Program Annual Report for a description of training at the program and/or regional level.

Two inspectors attended the SCVURPPP Industrial and Commercial Training Workshop on May 20, 2015.

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 Program and regional accomplishments for these sub-provisions are included within the C.12 PCB Controls section of Program's FY 14-15 Annual Report, Integrated Monitoring Report.

Section 13 - Provision C.13 Copper Controls

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

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

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

During FY 14-15, City staff participated in the SCVURPPP IND Ad Hoc Task Group. City inspectors also attended SCVURPPP's Industrial inspector training workshop during FY 14-15. There were no complaints or violations regarding discharges from installation, cleaning, treating, or washing architectural copper materials, or other copper-related discharges during FY 14-15. Information about the City's industrial facility inspection program is provided in Section 4 of this 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

The City's Industrial and Commercial inspection program is described in Section 4 of this report. Inspections of the automotive facilities and industrial facilities are the types of facilities that may be a potential source of copper. There are three facilities categorized as Metal Finishers under the Code of Federal Regulations. One of the metal finishing facilities is a lab scale plating process that is performed inside a laboratory with no outdoor exposure. The other metal finishing facilities are small plating operations that are performed inside controlled process areas with no outdoor exposure and minimal risk of copper discharge. During FY 14-15, there were no violations identified during facility inspection or actions specifically taken to reduce copper potential discharge from industrial or commercial facilities.

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

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

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

C.15.b.iii.(1), C.15.b.iii.(2) ► Planned and Unplanned Discharges of Potable Water			
Is your agency a water purveyor?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/> No
If No , skip to C.15.b.vi.(2):			
If Yes , Complete the attached reporting tables or attach your own table with the same information. Provide any clarifying comments below.			

Comments:

Planned Discharges:

The reported planned potable water discharges are for those discharges >15,000 gallons. Discharges ≤15,000 gallons are in the “Low Impact Potable Water Releases” conditionally exempt category proposed in the Program’s FY11-12 Annual Report and implemented during FY 14-15. For the “Low Impact Potable Water Releases” category, the City implemented appropriate BMPs, collected discharge data and performed verification monitoring of most discharges. City Water Utility crews performed routine water system maintenance operations such as hydrant flushing, fire flow test, and dead end “blow offs”. Though the Program’s FY 11-12 Annual Report established monitoring and reporting for 5% of discharges from those routine operations, City personnel performed the monitoring and reporting for approximately 90% of the discharges. Additionally, due to drought concerns, some of the flushing water was collected in a water truck to use for landscape watering. Results of the discharges are listed in Table C.15.b.iii(1) below. The City will evaluate the monitoring program as well as potential changes to the permit requirements that may be included in MRP 2.0 and will modify monitoring and reporting requirements in the future.

Water Utility personnel implement de-chlorination practices, including the use of aerators and de-chlorination tablets, during discharge operations. City personnel began implementation of the monitoring, tracking and reporting requirements during FY 09-10 hydrant flushing operations and have continued implementation of the BMPs, tracking and reporting through FY 14-15. City personnel monitored for chlorine residual, pH, and turbidity. The majority of planned discharges are small volumes (<15,000 gallons). The City performed approximately 800 low impact potable water releases during FY 14-15, and monitoring was conducted for approximately 90% of those operations, which exceeds the 5% minimum compliance monitoring requirement. Monitoring records for the City’s water utility operations are available upon request

Results from FY 2014-15 chlorine residual monitoring were mostly below the benchmark. Samples are collected just after the water passes through dechlorination tablets and an aerator. Results from a SCVURPPP report show that there is a substantial chlorine reduction 40 ft. downstream from the flow origination point. Based on the residual chlorine results and the conclusions of the study, the City is confident that the routine, planned, small volume discharges that were conducted during FY 14-15 water utility operations had chlorine levels below the chlorine benchmark level by the time the water reached receiving waters.

The City of Mountain View receives its potable water supply from two main sources: the San Francisco Public Utilities Commission (SFPUC) and the Santa Clara Valley Water District (SCVWD). Many results from pH monitoring fall within a range that is typical of SFPUC water, which trends toward higher pH levels, some of which are higher than the 8.5 benchmark value, and consistent with other water purveyors that utilize SFPUC water. Water supplied from SCVWD is within the C.15 benchmark range between 6.8 and 8.5, however the SCVWD water typically has a pH near the upper 8.5 level. The monitoring results were below the benchmark level for turbidity.

Unplanned Discharges:

During FY 14-15, City Water Utility personnel responded to 25 unplanned discharges, including 2 sheared hydrants, 16 water main breaks, and 6 service line leaks. This is an increase in unplanned discharges compared to past reporting years. The number of sheared hydrants was reduced compared to past years. Monitoring was performed for the unplanned discharges and the reports are included in Appendix 15-1. One large water main break occurred, which resulted in a discharge volume of greater 50,000 gallons and a chlorine residual >0.05 mg/L, and was reported to the Water Board due to the close proximity of the discharge source to a creek. Four of the water main breaks and 2 sheared hydrants also resulted in discharge volumes greater than 50,000 gallons and had chlorine residual > 0.05 mg/L. The chlorine tests were performed downstream from de-chlorination BMPs. These unplanned releases were not reported to the Water Board due to the distance from the discharge source to the receiving water and confidence that the chlorine residual dissipated before the water reached the creeks. Aquatic impacts, such as fish kills, were not reported for any of the unplanned discharges. Training was conducted on November 1, 2014 to review and implement reporting procedures for unplanned discharges.

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

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

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

Summary:

The City of Mountain View implements a water conservation program that includes business and residential audit programs, rebate programs, and comprehensive outreach and information about water-wise gardening. The City promotes a Santa Clara Valley Water District program that offers rebates for residents and businesses that convert turf landscape to water-efficient landscape. The City also includes conditions on new development projects that require landscape design to minimize runoff, and to incorporate efficient irrigation in the landscape plan. During FY 2014-2015, the City continued implementation of its Water Conservation and Landscaping Ordinance that will be enforced to reduce water usage by regulating new construction. City staff provides water conservation and less toxic pest control information at public events, and information is available on the City of Mountain View’s website. The City’s Utilities Division also responds to over-watering complaints. City inspectors also continue to look for large volume irrigation discharges during commercial/industrial inspections, though no incidents were observed during FY 14-15.

The City also promotes less toxic pest control and appropriate irrigation practices through its participation in SCVURPPP, including the Watershed Watch Campaign described in the C.7. Public Information and Outreach section, and the IPM Store Partnership and Green Gardener Training Programs described in the C.9. Pesticide Toxicity Control section of SCVURPPP’s FY 14-15 Annual Report.

Additional information related to efforts to control irrigation runoff is included in the C.3 New Development and Redevelopment, C.7. Public Information and Outreach and C.9. Pesticide Toxicity Control sections of the City and SCVURPPP’s FY 14-15 Annual Reports as needed.

C.15.b.iii.(1) ► Planned Discharges of the Potable Water System										
Site/ Location	Discharge Type	Receiving Waterbody(ies)	Date of Discharge	Duration of Discharge (military time)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity ¹ (NTU)	Implemented BMPs & Corrective Actions
FH W. Side of Michael's Shoreline	Hydrant flush	Permanente Creek	7/1/2014	0020	9,600	9,600	0.02	8.7	1.4	Declor
1200 Villa	Hydrant flush	Permanente Creek	7/14/2014	0020	15,000	15,000	0.01	8.8	3.8	Declor
La Avenida	Hydrant flush	Stevens Creek	7/17/2014	0020	10,600	10,600	0.01	9.3	5.5	Declor
1274 Lane	Hydrant flush	Permanente	7/22/2014	0020	15,000	15,000	0.02	9.6	5.2	Declor
2215 University	Blow off	Permanente Creek	7/23/2014	0020	8,300	8,300	0	8.2	3.4	Declor
1091 Jackson	Hydrant flush	Stevens Creek	7/30/2014	0020	13,000	13,000	0	8.3	6.1	Declor
1215 Charleston	Fire Flow Test	Stevens Creek	7/16/2014	0005	6,150	6,150	0	9.4	5.9	Declor
501 Ellis	Fire Flow Test	Stevens Creek	7/29/2014	0005	6,550	6,550	0.1	9.6	3.1	Declor
1201 Shorebird	Hydrant flush	Stevens Creek	8/8/2014	0005	1,190	1,190	0.01	9.2	5.8	Declor
711 Church	Fire Flow Test	Stevens Creek	8/7/2014	0005	5,300	5,300	0.02	9.0	0.5	Declor
1648 Alison	Hydrant flush	Stevens Creek	9/4/2014	0010	5,800	5,800	0.1	9.3	4.4	Declor
La Avenida at Macon	Hydrant flush	Stevens Creek	9/8/2014	0030	27,600	27,600	0.01	9.1	2.5	Declor
1682 Morgan	Hydrant flush	Permanente	9/10/2014	0020	12,600	12,600	0.3	8.6	5.2	Declor
La Avenida at Macon	Hydrant flush	Stevens Creek	9/14/2014	0010	5,300	5,300	0.01	9.1	2.6	Declor
1220 Pear	Hydrant flush	Stevens Creek	9/18/2014	0010	7,500	7,500	0	7.8	1.8	Declor

¹ Monitor the receiving water for turbidity if necessary and feasible. Include data in this column if available.

C.15.b.iii.(1) ► Planned Discharges of the Potable Water System										
Site/ Location	Discharge Type	Receiving Waterbody(ies)	Date of Discharge	Duration of Discharge (military time)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity ¹ (NTU)	Implemented BMPs & Corrective Actions
250 Mayfield	Fire Flow Test	Coast-Casey Detention/SF Bay	9/26/2014	0005	5,700	5,700	0.01	8.4	5.8	Declor
La Avenida at Macon	Hydrant flush	Stevens Creek	10/5/2014	10	5,300	5,300	0.04	9.3	2.1	Declor
139 Easy	Hydrant flush	Stevens Creek	10/8/2014	20	10,600	10,600	0	9.4	5.0	Declor
440 Palo Alto	Hydrant flush	Permanente Creek	10/9/2014	20	3,800	3,800	0.03	8.4	5.0	Declor
100 Mayfield	Hydrant flush	Coast-Casey Detention/SF Bay	10/14/20114	12	7,260	7,260	0.05	8.7	2.8	Declor
2530 Solace	Blow Off	Stevens Creek	11/1/2014	20	9,600	9,600	0.01	8	5.2	Declor
1822 Higdon	Hydrant Flush	Permanente Creek	11/17/2014	68	41,750	41,750	0.01	8.6	0.6	Declor
582 View	Hydrant Flush	Permanente Creek	12/3/2014	15	11,250	11,250	0.01	10.1	2.2	Declor
1600 Amphitheatre	Hydrant Flush	Permanente Creek	12/6/2014	20	8,800	8,800	0.03	9.2	2.6	Declor
773 Cuesta	Hydrant Flush	Permanente Creek	12/17/2014	20	14,250	14,250	0.01	8	4.9	Declor
Lassen at Parker	Hydrant Flush	Coast/Casey	12/30/2014	20	8,800	8,800	0.03	9.3	4.1	Declor
Zone 1 various	Hydrant Flush	Stevens/Permanente	1/15/2015	291	209,120	209,120	0.02	8.3	3.2	Declor
Zone 1 various	Hydrant Flush	Stevens/Permanente	1/16/2015	374	270,182	270,182	0.04	8.5	3.0	Declor
1310 Shorebird	Hydrant Flush	Stevens Creek	1/17/2015	30	14,790	40,315	0.01	8.7	7.8	Declor
1300 Charleston	Hydrant Flush	Stevens Creek	1/17/2015	30	12,325	40,315	0	8.6	7.7	Declor
1144 Blackfield	Hydrant Flush	Permanente	1/6/2015	25	39,600	39,600	0.02	8.3	5.0	Declor
1500 Plymouth	Hydrant Flush	Stevens Creek	1/17/2015	90	13,200	40,315	0	8.6	4.6	Declor
250 Bryant	Hydrant Flush	Permanente Creek	1/22/2015	30	11,250	67,520	0.01	8.7	1.7	Declor
1555 Plymouth	Hydrant Flush	Stevens Creek	1/31/2015	10	5,300	5,300	0.08	8.8	3.3	Declor
Kern Ct.	Blow Off	Stevens	1/29/2015	5	1,700	1,700	0.01	8.8	1.2	Declor

C.15.b.iii.(1) ► Planned Discharges of the Potable Water System										
Site/ Location	Discharge Type	Receiving Waterbody(ies)	Date of Discharge	Duration of Discharge (military time)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity ¹ (NTU)	Implemented BMPs & Corrective Actions
326 Aldean	Hydrant Flush	Coast/Casey	2/4/2015	20	8,800	8,800	0.06	9	2.7	Declor
1350 Charleston	Hydrant Flush	Permanente Creek	2/7/2015	50	32,500	32,500	0.08	8.7	4.2	Declor
1430 Miramonte	Hydrant Flush	Permanente Creek	2/12/2015	45	10,800	10,800	0.02	8.7	4.8	Declor
1500 N. Shoreline	Hydrant Flush	Stevens Creek	2/17/2015	10	5,300	5,300	0.03	8.9	2.8	Declor
Zone 2 various	Hydrant Flush	Stevens/Permanente	2/18/2015	159	167,835	167,835	0	7.9	21.6	Declor
Zone 2 various	Hydrant Flush	Stevens/Permanente	2/19/2015	131	117,580	117,580	0	8.5	17.7	Declor
779 E. Evelyn	Hydrant Flush	Stevens/Permanente	2/20/2015	10	11,400	19,350	0.01	8.1	3.2	Declor
1510 Old Middfield	Hydrant Flush	Stevens/Permanente	2/20/2015	15	7,950	19,350	0.03	9.4	4.8	Declor
Zone 1 various	Hydrant Flush	Stevens/Permanente	2/23/2015	288	242,070	242,070	0.03	9	3.3	Declor
Zone 1 various	Hydrant Flush	Stevens/Permanente	2/24/2015	203	142,520	382,340	0.1	8.3	2.9	Declor
Zone 1 various	Hydrant Flush	Stevens/Permanente	2/25/2015	146	110,440	342,740	0.02	8.7	2.3	Declor
Zone 2 various	Hydrant Flush	Stevens/Permanente	2/24/2015	211	239,820	382,340	0	8.6	12.1	Declor
Zone 2 various	Hydrant Flush	Stevens/Permanente	2/25/2015	225	232,300	342,740	0	8.8	7	Declor
Zone 1 various	Hydrant Flush	Stevens/Permanente	2/26/2015	214	148,980	254,590	0.05	10	2.9	Declor
Zone 2 various	Hydrant Flush	Stevens/Permanente	2/26/2015	87	99,810	254,590	0	3	20.1	Declor
Zone 1 various	Hydrant Flush	Stevens/Permanente	2/27/2015	157	105,000	392,420	0.1	8.7	2.9	Declor
Zone 2 various	Hydrant Flush	Stevens/Permanente	2/27/2015	252	280,820	392,420	0.007	9.2	10.3	Declor
Zone 3 various	Hydrant Flush	Stevens/Permanente	2/28/2015	297	237,550	237,550	0	9.5	2.1	Declor
395 Velarde	Fire Flow Test	Stevens	2/27/2015	5	6,600	392,420	0.01	9.0	4.9	Declor
1175 Castro	Fire Flow Test	Permanente	2/26/2015	5	5,800	254,590	0	8.9	3.6	Declor
Zone 1 various	Hydrant Flush	Stevens/Permanente	3/2/2015	268	240,000	240,000	0.06	8.9	2.2	Declor

C.15.b.iii.(1) ► Planned Discharges of the Potable Water System										
Site/ Location	Discharge Type	Receiving Waterbody(ies)	Date of Discharge	Duration of Discharge (military time)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity ¹ (NTU)	Implemented BMPs & Corrective Actions
Zone 1 various	Hydrant Flush	Stevens/Permanente	3/3/2015	164	217,320	338,765	0.03	8.8	2.6	Declor
Zone 2 various	Hydrant Flush	Stevens/Permanente	3/3/2015	148	121,445	338,765	0	8.4	4.2	Declor
Zone 3 various	Hydrant Flush	Stevens/Permanente	3/4/2015	168	178,070	178,080	0.02	8.1	1.7	Declor
Zone 1 various	Hydrant Flush	Stevens/Permanente	3/5/2015	156	139,615	151,735	0.03	9	2.7	Declor
Zone 1 various	Hydrant Flush	Stevens/Permanente	3/9/2015	138	133,020	133,020	0.04	8.5	2.9	Declor
Zone 1 various	Hydrant Flush	Stevens/Permanente	3/6/2015	113	128,000	128,000	0.01	8.3	3.2	Declor
Zone 1 various	Hydrant Flush	Stevens/Permanente	3/10/2015	195	111,290	111,290	0.02	8.9	2.7	Declor
Zone 3 various	Hydrant Flush	Stevens/Permanente	3/11/2015	144	160,240	284,160	0.01	7.9	1.4	Declor
128 Ada	Hydrant Flush	Stevens/Permanente	3/11/2015	60	123,920	284,160	0	9.2	4.9	Declor
Zone 1 various	Hydrant Flush	Stevens/Permanente	3/12/2015	245	31,800	51,560	0.04	8.3	2.0	Declor
Zone 1 various	Hydrant Flush	Stevens/Permanente	3/13/2015	104	190,795	285,275	0.02	8.1	2.2	Declor
113 Evandale	Hydrant Flush	Stevens/Permanente	3/13/2015	20	94,480	285,275	0.01	9.2	3.8	Declor
605 Hope	Hydrant Flush	Stevens/Permanente	3/12/2015	6	13,400	51,560	0	9.8	4.8	Declor
111 Tyrella	Hydrant Flush	Stevens/Permanente	3/12/2015	12	6,360	51,560	0.01	9	4.3	Declor
Zone 2 various	Hydrant Flush	Stevens/Permanente	3/5/2015	229	12,120	151,735	0	8.4	2.2	Declor
Zone 1 various	Hydrant Flush	Stevens/Permanente	3/16/2015	289	253,760	253,760	0.01	8.7	3.3	Declor
Zone 1 various	Hydrant Flush	Stevens/Permanente	3/17/2015	147	223,960	331,240	0.03	8	2.1	Declor
Zone 2 various	Hydrant Flush	Stevens/Permanente	3/17/2015	127	107,280	331,240	0	9.7	3.0	Declor
Zone 1 various	Hydrant Flush	Stevens/Permanente	3/18/2015	456	52,940	445,540	0.01	8.3	1.8	Declor
Zone 2 various	Hydrant Flush	Stevens/Permanente	3/18/2015	104	392,600	445,540	0	9.7	2.6	Declor
Zone 1 various	Hydrant Flush	Stevens/Permanente	3/20/2015	288	88,320	88,320	0.01	9.6	2.2	Declor
Zone 2 various	Hydrant Flush	Stevens/Permanente	3/19/2015	382	177,900	177,900	0.02	9	3.1	Declor

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Site/ Location	Discharge Type	Receiving Waterbody(ies)	Date of Discharge	Duration of Discharge (military time)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity ¹ (NTU)	Implemented BMPs & Corrective Actions
Zone 2 various	Hydrant Flush	Stevens/Permanente	3/20/2015	207	209,310	209,310	0.02	8.5	2.6	Declor
Zone 1 various	Hydrant Flush	Stevens/Permanente	3/23/2015	128	98,920	98,920	0.02	8.9	1.6	Declor
Zone 1 various	Hydrant Flush	Stevens/Permanente	3/24/2015	181	133,290	133,290	0.02	7.4	2.8	Declor
Zone 1 various	Hydrant Flush	Stevens/Permanente	3/25/2015	291	234,340	234,340	0.02	8.7	1.7	Declor
Zone 3 various	Hydrant Flush	Stevens/Permanente	3/26/2015	229	161,105	161,105	0.03	7.8	1.6	Declor
Zone 1 various	Hydrant Flush	Stevens/Permanente	3/27/2015	73	58,890	58,890	0.02	7	1.8	Declor
Zone 1 various	Hydrant Flush	Stevens/Permanente	3/28/2015	154	139,090	139,090	0.01	8.8	2.6	Declor
Zone 3 various	Hydrant Flush	Stevens/Permanente	3/30/2015	108	82,840	82,840	0.02	8.4	1.1	Declor
Zone 3 various	Hydrant Flush	Stevens/Permanente	3/31/2015	262	185,110	185,110	0.01	8.4	1.9	Declor
275 College	Fire Flow	Permanente	3/3/2015	5	6,800	6,800	0	9	2.9	Declor
485 Mariposa	Fire Flow	Permanente	3/4/2015	5	6,150	6,150	0	8.9	2.3	Declor
412 ECR	Fire Flow	Stevens	3/6/2015	5	5,800	5,800	0	9.1	4.9	Declor
827 Independence	Fire Flow	Coast/Casey	3/24/2015	5	5,950	5,950	0	9.8	3.6	Declor
Mayfield	Fire Flow	Coast/Casey	3/27/2015	5	4,750	4,750	0	7.9	1.9	Declor
983 Sladky	Hydrant Flush	Permanente	4/2/2015	20	15,000	286,870	0.03	9.6	13.2	Declor
983 Sladky	Hydrant Flush	Permanente	4/2/2015	28	14,840	286,870	0.04	9.6	13.4	Declor
Zone 1 various	Hydrant Flush	Stevens/Permanente	4/2/2015	271	257,030	286,870	0.01	7.8	3.2	Declor
Zone 1 various	Hydrant Flush	Stevens/Permanente	4/4/2015	322	305,550	305,550	0.02	7.4	2.5	Declor
Zone 1 various	Hydrant Flush	Stevens/Permanente	4/3/2015	238	216,650	216,650	0.03	6.3	3.2	Declor
Zone 3 various	Hydrant Flush	Stevens/Permanente	4/6/2015	209	145,596	145,596	0.01	6.5	1.7	Declor
Zone 1 various	Blow Off	Stevens/Permanente	4/7/2015	32	72,960	72,960	0	8	2.9	Declor
818 Tulane	Hydrant Flush	Permanente	4/9/2015	60	45,000	103,500	0.02	9.7	17.1	Declor

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Site/ Location	Discharge Type	Receiving Waterbody(ies)	Date of Discharge	Duration of Discharge (military time)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity ¹ (NTU)	Implemented BMPs & Corrective Actions
1660 Lee	Hydrant Flush	Permanente	4/9/2015	90	58,500	103,500	0	9.2	8.4	Declor
Zone 3 various	Hydrant Flush	Stevens/Permanente	4/13/2015	110	66,280	66,280	0.02	8.3	2.0	Declor
926 Tulane	Hydrant Flush	Permanente	4/8/2015	110	45,500	45,500	0	9.8	4.5	Declor
1910 ECR	Hydrant Flush	Permanente	4/10/2015	35	18,550	18,550	0	8.9	3.2	Declor
Zone 3 various	Hydrant Flush	Stevens/Permanente	4/14/2015	134	115,030	115,030	0.01	8.4	2.0	Declor
Zone 3 various	Hydrant Flush	Stevens/Permanente	4/15/2015	46	30,370	140,740	0	8.1	1.2	Declor
Zone 3 various	Hydrant Flush	Stevens/Permanente	4/15/2015	126	110,370	140,740	0.02	8.2	2.0	Declor
Bayshore/Garcia	Hydrant Flush	Coast /Casey	4/17/2015	130	121,000	121,000	0.03	9.4	5.5	Declor
Zone 2 various	Hydrant Flush	Stevens/Permanente	4/20/2015	168	175,880	175,880	0	8.3	3.6	Declor
Zone 2 various	Hydrant Flush	Stevens/Permanente	4/21/2015	126	145,660	149,060	0	8.3	3.3	Declor
190 Washington	Mainline cleaning	Stevens	4/21/2015	10	3,400	149,060	0.03	9.1	2.8	Declor
Zone 2 various	Hydrant Flush	Stevens/Permanente	4/22/2015	163	200,930	200,930	0	8.3	3.2	Declor
1642 Spring	Mainline cleaning	Coast/Casey	4/24/2015	10	7,800	7,800	0.02	8.1	2.3	Declor
Zone 2 various	Hydrant Flush	Stevens/Permanente	4/23/2015	172	170,335	170,335	0	8.7	4.1	Declor
1049 Terra Bella	Fire Flow	Stevens	4/10/2015	2	1,720	3,800	0	9.2	2.4	Declor
341 Dana	Fire Flow	Stevens	4/10/2015	2	2,080	3,800	0	9.7	2.4	Declor
80 ECR	Fire Flow	Stevens	4/29/2015	5	5,550	5,550	0.02	10.1	4.8	Declor
Zone 2 various	Hydrant Flush	Stevens/Permanente	5/4/2015	113	86,570	86,570	0.08	8.4	2.4	Declor
Zone 2 various	Hydrant Flush	Stevens/Permanente	5/6/2015	286	242,670	255,470	0.02	8.1	2.5	Declor
Todd /Dennis	Mainline cleaning	Permanente	5/6/2015	10	7,500	255,470	0	10	3.5	Declor
Todd/Dennis	Mainline cleaning	Permanente	5/6/2015	10	5,300	255,470	0.01	9	3.5	Declor
1942 San Luis	Mainline cleaning	Permanente	5/7/2015	10	10,100	10,100	0.03	9.1	3.4	Declor

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Site/ Location	Discharge Type	Receiving Waterbody(ies)	Date of Discharge	Duration of Discharge (military time)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity ¹ (NTU)	Implemented BMPs & Corrective Actions
1450 Lloyd	Mainline cleaning	Permanente	5/8/2015	20	18,400	37,100	0.01	9.3	2.9	Declor
Zone 1 various	Hydrant Flush	Stevens/Permanente	5/8/2015	20	18,700	37,100	0	9	3.5	Declor
Zone 2 various	Hydrant Flush	Stevens/Permanente	5/11-12/2015	380	265,120	265,120	0.02	8.1	2.6	Declor
Zone 2 various	Hydrant Flush	Stevens/Permanente	5/5/2015	250	252,320	252,320	0	9	2.9	Declor
Zone 2 various	Hydrant Flush	Stevens/Permanente	5/12/2015	209	174,100	174,100	0.02	7.7	2.5	Declor
1300 Gilmore	Mainline cleaning	Permanente	5/15/2015	30	22,500	205,310	0.02	9.2	3.9	Declor
1045 Mtn View	Mainline cleaning	Permanente	5/15/2015	10	3,400	205,310	0.03	9.3	3.1	Declor
Zone 2 various	Hydrant Flush	Stevens/Permanente	5/15/2015	189	179,410	205,310	0.08	8.7	2.1	Declor
Zone 2 various	Hydrant Flush	Stevens/Permanente	5/18/2015	292	241,610	405,130	0.01	7.9	2.0	Declor
Zone 2 various	Hydrant Flush	Stevens/Permanente	5/18/2015	159	163,520	405,130	0.01	8.6	2.1	Declor
Zone 2 various	Hydrant Flush	Stevens/Permanente	5/20/2015	290	230,480	230,480	0.03	8.9	2.8	Declor
Zone 2 various	Hydrant Flush	Stevens/Permanente	5/21/2015	219	192,550	192,550	0.01	8.4	2.1	Declor
Zone 2 various	Hydrant Flush	Stevens/Permanente	5/26/2015	320	284,270	284,270	0.02	8.1	2.6	Declor
1942 San Luis	Mainline cleaning	Permanente	5/27/2015	10	10,600	302,150	0.01	9.5	3.5	Declor
Zone 2 various	Hydrant Flush	Stevens/Permanente	5/27/2015	344	291,550	302,150	0.02	8.4	2.2	Declor
Zone 2 various	Hydrant Flush	Stevens/Permanente	5/29/2015	224	164,920	164,920	0.01	8.9	2.6	Declor
430 Ferguson	Fire Flow	Stevens	5/19/2015	5	2,460	8,710	0.01	9	3.1	Declor
2392 Rock St.	Fire Flow	Permanente	5/19/2015	5	6,250	8,710	0.03	9	3.5	Declor
Zone 2 various	Hydrant Flush	Stevens/Permanente	6/1/2015	291	214,640	214,640	0.02	9.2	2.4	Declor
Zone 2 various	Hydrant Flush	Stevens/Permanente	6/2/2015	375	425,495	425,495	0.02	9.1	2.1	Declor
2072 San Luis	Mainline cleaning	Permanente	6/3/2015	5	4,900	4,900	0	9.8	2.6	Declor
Villa/Hope	Mainline cleaning	Stevens	6/5/2015	30	19,500	19,500	0.03	8.9	3.9	Declor

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Site/ Location	Discharge Type	Receiving Waterbody(ies)	Date of Discharge	Duration of Discharge (military time)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity ¹ (NTU)	Implemented BMPs & Corrective Actions
Zone 4 various	Hydrant Flush	Stevens/Permanente	6/6/2015	233	253,960	253,960	0	9.2	3.4	Declor
Zone 4 various	Hydrant Flush	Stevens/Permanente	6/8/2015	97	91,660	91,660	0.01	8.9	1.7	Declor
Zone 4 various	Hydrant Flush	Stevens/Permanente	6/9/2015	121	84,383	84,383	0	8.8	1.5	Declor
701 Evelyn	Mainline cleaning	Stevens	6/10/2015	30	17,400	47,630	0.01	9.2	3.7	Declor
901 ECR	Mainline cleaning	Stevens	6/10/2015	5	980	47,630	0	9.6	4.1	Declor
701 Evelyn	Mainline cleaning	Stevens	6/10/2015	45	29,250	47,630	0	8.9	2.6	Declor
293 Beatrice	Fire Flow	Permanente	6/2/2015	2	2,080	2,080	0.01	8.9	2.0	Declor
805 ECR	Fire Flow	Stevens	6/5/2015	5	4,900	4,900	0	9.4	6.4	Declor
390 Moffett	Fire Flow	Stevens	6/9/2015	5	5,200	5,200	0	9	3.2	Declor
505 Escuela	Fire Flow	Permanente	6/16/2015	15	18,050	18,050	0	9.1	2.3	Declor
1900 Shoreline	Fire Flow	Permanente	6/17/2015	5	1,230	1,230	0	8.4	2.4	Declor
401 Ellis	Fire Flow	Stevens	6/18/2015	5	6,150	6,150	0	9.6	2.5	Declor
757 Calderon	Fire Flow	Stevens	6/22/2015	5	5,300	5,300	0	8.9	3.7	Declor
1864 Doane	Fire Flow	Permanente	6/23/2015	5	5,300	5,300	0	8.5	3.1	Declor

C.15.b.iii.(2) ► Unplanned Discharges of the Potable Water System ²														
Site/ Location	Discharge Type	Receiving Waterbody(ies)	Date of Discharge	Discharge Duration (military time)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L) ³	pH (standard units) ⁵²	Discharge Turbidity (Visual) ⁵² ,	Implemented BMPs & Corrective Actions	Time of discharge discovery	Regulatory Agency Notification Time ⁴	Inspector arrival time	Responding crew arrival time
See Appendix 15-1 for unplanned discharge reports.														

² This table contains all of the unplanned discharges that occurred in this FY.

³ Monitoring data is only required for 10% of the unplanned discharges. If you monitored more than 10% of your unplanned discharges, report all of the data collected.

⁴ Notification to Water Board staff is required for unplanned discharges where the chlorine residual is >0.05 mg/L and total volume is ≥ 50,000 gallons. Notification to State Office of Emergency Services is required after becoming aware of aquatic impacts as a result of unplanned discharge or when the discharge might endanger or compromise public health and safety.

ATTACHMENT C

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List of Acronyms

Appendix 3-1

C.3.e.vi. – Special Projects Narrative Discussions

3. Narrative Discussion of LID Feasibility or Infeasibility

Pillar Group Apartments at 250-608 San Antonio Rd.

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

The project will include a large underground parking garage underneath the structure that almost encompasses the entire site, and the project is located in an area with clay soils, so infiltration is infeasible. Harvesting/reuse is infeasible due to insufficient demand.

2. Feasibility/Infeasibility of Onsite LID Treatment

Review of the project for feasibility and infeasibility of LID onsite treatment was completed. The results of this review showed that it was infeasible to treat the entire C.3.d amount of runoff with LID treatment. The findings of this review are presented below.

- a. **On-site Drainage Conditions.** The site is proposed to be located in a high density development area and will include underground parking for the entire site. The impervious surfaces aboveground are divided into drainage areas, and a portion of the site can be drained to biotreatment facilities.
 - b. **Self-treating and Self-Retaining Areas and LID Treatment Measures.** Aside from minor landscaping on the site, there are no self-treating or self-retaining areas proposed for the project.
 - c. **Maximizing Flow to LID Features and Facilities.** The limited area of landscaping available for design and construction of biotreatment facilities is the primary constraint to maximizing flow to the LID treatment control.
 - d. **Constraints to Providing On-site LID.** Most of the site will be underground parking that would have a podium with apartment buildings constructed on the podium. During development of detailed plans the City will work with the developer to maximize the use of LID controls, including the proposed biotreatment facility and flow-through planters. The drainage management areas that are proposed to drain to vault-based high flow rate media filters include some areas that are from roof and plaza areas above the podium that are too large to drain to LID controls. In these areas, conditions and technical constraints are present that preclude the use of LID features and facilities, as described below.
 - i. Impervious paved areas: Roof and plaza drainage above a parking garage and podium deck.
 - ii. Landscaped areas:
 - Inadequate size to accommodate biotreatment facilities that meet sizing requirements for the tributary area. Only a small portion of the site will be outside the parking garage and available for biotreatment facilities.
 - Possible conflict with subsurface utilities may provide a constraint for the biotreatment facility.
3. **Feasibility/Infeasibility of Off-Site LID Treatment.** The possibility of providing off-site LID treatment was found to be infeasible for the following reasons.
- i. There are no privately owned areas within the watershed that can be used for off-site biotreatment facilities.
 - ii. There are no regional LID stormwater mitigation programs available to the project for in-lieu C.3 compliance.

3. Narrative Discussion of LID Feasibility or Infeasibility

EFL Apartment Building at 500 Ferguson.

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

The project will include a large underground parking garage underneath the structure that almost encompasses the entire site, and the project is located in an area with clay soils and known soil contamination, so infiltration is infeasible. Harvesting/reuse is infeasible due to insufficient demand.

2. Feasibility/Infeasibility of Onsite LID Treatment

Review of the project for feasibility and infeasibility of LID onsite treatment was completed. The results of this review showed that it was infeasible to treat the entire C.3.d amount of runoff with LID treatment. The findings of this review are presented below.

- a. **On-site Drainage Conditions.** The site is proposed to be located in a high density development area and will include underground parking for a large portion of the site. The impervious surfaces aboveground are divided into drainage areas, and some of the drainage areas can be directed to biotreatment facilities.
 - b. **Self-treating and Self-Retaining Areas and LID Treatment Measures.** Aside from minor landscaping on the site, there are no self-treating or self-retaining areas proposed for the project.
 - c. **Maximizing Flow to LID Features and Facilities.** The limited area of landscaping available for design and construction of biotreatment facilities is the primary constraint to maximizing flow to the LID treatment control.
 - d. **Constraints to Providing On-site LID.** Most of the site will be underground parking that would have a podium with apartments constructed on the podium. During development of detailed plans the City will work with the developer to maximize the use of LID controls, including the proposed biotreatment facility and flow-through planters. The drainage management areas that are proposed to drain to vault-based high flow rate media filters include some areas that are from roof and plaza areas above the podium that are too large to drain to LID controls. In these areas, conditions and technical constraints are present that preclude the use of LID features and facilities, as described below.
 - i. Impervious paved areas: Roof and plaza drainage above a parking garage and podium deck.
 - ii. Landscaped areas:
 - Inadequate size to accommodate biotreatment facilities that meet sizing requirements for the tributary area. Only a small portion of the site will be outside the parking garage and available for biotreatment facilities.
 - Possible conflict with subsurface utilities may provide a constraint for the biotreatment facility.
 - Contaminated soils at the location will impact the design of the biotreatment systems.
3. **Feasibility/Infeasibility of Off-Site LID Treatment.** The possibility of providing off-site LID treatment was found to be infeasible for the following reasons.
- i. There are no privately owned areas within the watershed that can be used for off-site biotreatment facilities.
 - ii. There are no regional LID stormwater mitigation programs available to the project for in-lieu C.3 compliance. Off-site treatment of a public street may be considered if adequate on-site treatment cannot be provided.

Appendix 4-1

C.4.c.iii.(1) – Potential Facilities List

C.4.c.iii.(2) – Facilities Scheduled for Inspection

This Appendix includes lists of facilities that could reasonably be considered to cause or contribute to pollution of stormwater runoff. The attachment includes separate lists for different business categories that could be queried from the City's database. The different business categories and the inspection frequencies for each category are listed below:

1. Automotive facilities – Annual
2. Industrial pretreatment facilities – Annual
3. Machine shops – Annual
4. Food service facilities – Biennially
5. Construction yards, dry cleaners, lumber yards, corporation yards, paint facilities, and pesticide facilities - Biennially

Automotive Facilities

CITY OF MOUNTAIN VIEW
FIRE AND ENVIRONMENTAL PROTECTION DIVISION
Wastewater Discharge Local Category Types

As of 9/1/2015

<u>FacID</u>	<u>Facility Address</u>	<u>Facility Name</u>	<u>Local Categories</u>
1246	1708 Miramonte Avenue	Miramonte Shell #141	Automotive (Gas Station)
1245	810 Miramonte Avenue	Shoreline Auto Care	Automotive (Vehicle Svce)
716	243-251 Moffett Blvd.	Pan American Collision Center	Automotive (Body Repair)
742	495 Moffett Blvd.	Moffett Valero	Automotive (Gas Station), Automotive (Car
1035	1900 Old Middlefield Way Unit C	All Automotive	Automotive (Vehicle Svce)
1393	1900 Old Middlefield Way Unit D	Autobahn Motorsport Haus	Automotive (Vehicle Svce)
1278	1900 Old Middlefield Way Unit E	AA Motorworks	Automotive (Vehicle Svce)
1065	1900 Old Middlefield Way Unit F	Modderman Service, Inc.	Automotive (Vehicle Svce)
1007	1905 Old Middlefield Way	Barooni Imports	Automotive (Vehicle Svce)
1253	1932 Old Middlefield Way	Mountain View Body Shop	Automotive (Body Repair)
1179	1950 Old Middlefield Way	Rich's Tire Service	Automotive (Vehicle Svce)
750	2025A,B/2029 Old Middlefield Way	Caliber Collision Centers - Palo Alto	Automotive (Car Wash)
1365	2037 Old Middlefield Way	Dean's Automotive	Automotive (Vehicle Svce)
1211	2145 Old Middlefield Way	The Dent Doctor	Automotive (Body Repair)
1292	2145 Old Middlefield Way Unit A	Dave's Body Shop Auto Detailing	Automotive (Body Repair)
1137	2171 Old Middlefield Way	Service King Paint & Body, LLC	Automotive (Body Repair)
1103	2189 Old Middlefield Way	Bay Muffler	Automotive (Vehicle Svce)
1297	2232 Old Middlefield Way	Dinan Corp	Automotive (Vehicle Svce)
1401	2235 Old Middlefield Way Unit A	Edge Motorworks, Inc.	Automotive (Vehicle Svce)
1255	2235 Old Middlefield Way Unit G	Quik Smog	Automotive (Vehicle Svce)
1181	2235 Old Middlefield Way Unit H,J&K	United Collision Center, Inc.	Automotive (Body Repair)
1391	2239 Old Middlefield Way Unit E/F	Israel's Tire & Alignment	Automotive (Vehicle Svce)
1193	2239 Old Middlefield Way Unit I	All VW Shop & Japanese Full Auto Ser	Automotive (Vehicle Svce)
1119	2247 Old Middlefield Way Unit B	Lou's Automotive	Automotive (Vehicle Svce)
1314	2319 Old Middlefield Way	Magnussen Toyota of Mountain View	Automotive (Vehicle Svce)
1528	2362 Old Middlefield Way Unit A	Middlefield Auto Service	Automotive (Vehicle Svce)
1355	2362 Old Middlefield Way Unit B-1	Takahashi Automotive, Inc.	Automotive (Vehicle Svce)
1273	2362 Old Middlefield Way Unit B-2	Garage One Subaru Workshop	Automotive (Vehicle Svce)
1281	2362 Old Middlefield Way Unit B-3	Heyer Performance	Automotive (Vehicle Svce)

CITY OF MOUNTAIN VIEW FIRE AND ENVIRONMENTAL PROTECTION DIVISION

Wastewater Discharge Local Category Types

As of 9/1/2015

<u>FacID</u>	<u>Facility Address</u>	<u>Facility Name</u>	<u>Local Categories</u>
717	2378-2380 Old Middlefield Way	Silicon Wave Properties LLC dba SV Express Care	Automotive (Car Wash)
1304	2400 Old Middlefield Way	Service King Paint & Body, LLC	Automotive (Body Repair)
1450	2415 Old Middlefield Way Unit A&B	Independence Car Service	Automotive (Vehicle Svce)
1174	2415 Old Middlefield Way Unit C&D	Euro Auto Center	Automotive (Vehicle Svce)
1308	2423 Old Middlefield Way Unit D	Griffin's Auto Repair	Automotive (Vehicle Svce)
719	2452 Old Middlefield Way	Budget Car & Truck Rental	Automotive (Vehicle Svce), Automotive (Car Wash)
1154	2455 Old Middlefield Way Unit A	Euro Quattro	Automotive (Vehicle Svce)
1311	2490 Old Middlefield Way	California BMW	Automotive (Vehicle Svce)
1152	2520 Old Middlefield Way	Mountain View Auto and Truck	Automotive (Vehicle Svce)
1291	2536 Old Middlefield Way	B & L Auto Repair	Automotive (Vehicle Svce)
1335	130 Pioneer Way	King's Body Shop	Automotive (Body Repair)
1034	130 Pioneer Way	D & A Garage	Automotive (Vehicle Svce)
1162	15 Pioneer Way	Sunnyvale Foreign Car Service, Inc.	Automotive (Vehicle Svce)
1030	81 Pioneer Way	Yarnell's Service Center, Inc.	Automotive (Vehicle Svce)
1038	83 Pioneer Way Unit A&B	Advanced Auto Repair Center, Inc. (Bliss)	Automotive (Body Repair)
1127	89 Pioneer Way Unit D	A-1 Auto Tech Inc.	Automotive (Vehicle Svce)
721	110 Rengstorff Avenue North	Rengstorff Shell #144	Automotive (Gas Station), Automotive (Car Wash)
743	301 Rengstorff Avenue North	CMV - Fire Station #3	Automotive (Vehicle Svce), Government Building
1360	584 Rengstorff Avenue North	Mountain View Valero #7542	Automotive (Vehicle Svce), Automotive (Gas Station)
1187	584 Rengstorff Avenue North	Pacific Smog Tech	Automotive (Vehicle Svce)
1107	826 Rengstorff Avenue North	Driven Auto Care, Inc.	Automotive (Vehicle Svce)
733	230 RT Jones Road	Moffett AFRC	Automotive (Car Wash)
1370	250 San Antonio Road Unit B	Parker Automotive	Automotive (Vehicle Svce)
1373	334 San Antonio Road	San Antonio Valero #7230	Automotive (Vehicle Svce), Automotive (Gas Station)
722	924 San Rafael Avenue	El Camino Paving, Inc.	Automotive (Vehicle Svce),
749	2195 Shoreline Blvd. North	CMV - Fire Station #5	Government Building, Automotive (Car Wash)
1260	2608 Shoreline Blvd. North	CMV - Shoreline Golf Links	Pesticide Facility, Automotive (Vehicle Svce)
740	2612 Shoreline Blvd. North	CMV - Shoreline Maintenance	Automotive (Vehicle Svce), Pesticide Facility
1390	790 Shoreline Blvd. North	Mountain View Arco	Automotive (Gas Station), Automotive (Vehicle Svce)

CITY OF MOUNTAIN VIEW
FIRE AND ENVIRONMENTAL PROTECTION DIVISION

Wastewater Discharge Local Category Types

As of 9/1/2015

FacID	Facility Address	Facility Name	Local Categories
1298	790 Shoreline Blvd. North	Peninsula Auto Repair	Software, Automotive (Vehicle Svce)
724	807 Shoreline Blvd. North	Shoreline Shell #59	Automotive (Gas Station), Automotive (Car
725	808 Shoreline Blvd. North	Bill Bailey Chevron #9-6377	Automotive (Gas Station), Automotive (Car
741	251 Shoreline Blvd. South	CMV - Fire Station #1	Automotive (Vehicle Svce), Government
1407	555 Showers Drive	Wheel Works #8218	Automotive (Vehicle Svce)
723	466 Stierlin Road	Clearwater Carwash	Automotive (Car Wash)
1279	1080 Terra Bella Avenue Unit A	Pedro's Auto Clinic	Automotive (Body Repair)
726	935 Terra Bella Avenue	Recology Mountain View	Automotive (Vehicle Svce)
1320	230 Villa Street	Auto Headquarter	Automotive (Vehicle Svce)
744	229 Whisman Road North	CMV - Fire Station #4	Automotive (Vehicle Svce), Government
1551	231 Whisman Road North	CMV - Fleet Services Division	Corporation Yard, Automotive (Vehicle Svce),
728	231 Whisman Road North	CMV - Utilities Division	Automotive (Vehicle Svce), Corporation Yard
1447	310 Whisman Road North	Rotten Robbie-4	Automotive (Gas Station)
729	2513 Wyandotte Street	O'Grady Paving Inc.	Automotive (Vehicle Svce),
1361	2520 Wyandotte Street Unit G	Helming's Auto Repair	Automotive (Vehicle Svce)
1026	2599 Wyandotte Street Unit A	Custom Alignment	Automotive (Vehicle Svce)
1090	770 Yuba Drive	Corporate Auto Works	Automotive (Vehicle Svce)
1475	776 Yuba Drive	Stuttgart Werkstatt	Automotive (Vehicle Svce)
1467	778 Yuba Drive	Autobahn Body & Paint	Automotive (Body Repair)
730	785 Yuba Drive	Bosco Oil, Inc. dba Valley Oil Co.	Automotive (Vehicle Svce)
1240	790 Yuba Drive	Valley Oil Co.	Automotive (Vehicle Svce)

Industrial Pretreatment Facilities

**CITY OF MOUNTAIN VIEW
FIRE AND ENVIRONMENTAL PROTECTION DIVISION**

Wastewater Discharge EPA Category Types

As of 9/1/2015

FacID	Facility Address	Facility Name	Local Category
556	1 Amphitheatre Parkway	Shoreline Amphitheatre	Non-EPA Non-SIU
591	2450 Bayshore Parkway Suite 100 & 150	Bavarian Nordic, Inc.	Non-EPA Non-SIU
558	291 Bernardo Avenue North	Progenitor Cell Therapy, LLC	Non-EPA Non-SIU
563	319 Bernardo Avenue North	MedImmune	Non-EPA Non-SIU
594	350 Bernardo Avenue North	Edison Pharmaceuticals, Inc.	Non-EPA Non-SIU
599	2000 Charleston Road Bldg. 12	Google, Inc.	Metal Finishing/Metal
601	415 Clyde Avenue Unit 102-104	Applied NanoStructures, Inc.	Metal Finishing/Metal
852	433 Clyde Avenue	Minimatics, Inc./Rimnetics	Non-EPA Non-SIU
853	580 Clyde Avenue	Communications & Power Industries	Non-EPA Non-SIU
566	630 Clyde Court	Hitachi Chemical Diagnostics, Inc.	Non-EPA Non-SIU
1358	475 Ellis Street	Google, Inc.	Non-EPA Non-SIU
584	2425 Garcia Avenue	Bavarian Nordic, Inc.	Non-EPA Non-SIU
600	2480 Grant Road	El Camino Hospital - Willow Pavilion	Non-EPA Non-SIU
535	2500 Grant Road	El Camino Hospital	Non-EPA Non-SIU
583	850 Maude Avenue	ChemoCentryx	Non-EPA Non-SIU
524	685 Middlefield Road East	Siemens Business Unit Ultrasound	Non-EPA Non-SIU
514	1350 Pear Avenue Suite A	RD Chemical Co.	Non-EPA Non-SIU
1053	1000 Rengstorff Avenue North	Costco Wholesale #143	Non-EPA Non-SIU
550	1599 Shoreline Blvd. North	CrystaComm Inc.	Electrical & Elec.
749	2195 Shoreline Blvd. North	CMV - Fire Station #5	Non-EPA Non-SIU
546	3070 Shoreline Blvd. North	CMV - Mountain View Landfill	Non-EPA SIU (> 25K)
602	2011 Stierlin Court Bldg. 220	Google, Inc.	Non-EPA Non-SIU
589	2091 Stierlin Court	Alexza Pharmaceuticals	Non-EPA Non-SIU
532	1274 Terra Bella Avenue	Teledyne Microwave	Metal Finishing/Metal
580	1290 Terra Bella Avenue	Clontech Laboratories, Inc.	Non-EPA Non-SIU
588	265 Whisman Road North	SBI-System Biosciences, LLC	Non-EPA Non-SIU

Machine Shops

**CITY OF MOUNTAIN VIEW
FIRE AND ENVIRONMENTAL PROTECTION DIVISION**

Wastewater Discharge Local Category Types

As of 9/4/2015

FacID	Facility Address	Facility Name	Local Categories
1234	2700 Broderick Way	Zee.Aero	Machine Shop
1204	2288 Charleston Road Bldg. 48	Space Systems/Loral, LLC	Machine Shop, Electronics Mfg.
852	433 Clyde Avenue	Minimatics, Inc./Rimnetics	Machine Shop
853	580 Clyde Avenue	Communications & Power Industries	Machine Shop
1506	1904 Colony Street	Givmar, Inc.	Machine Shop
1066	100 Kittyhawk Way	EKG Precision Machining	Machine Shop
1256	2585 Leghorn Street	CSA Engineering, Inc. Div of Moog, Inc.	Machine Shop, Electronics Testing
1307	1340 Middlefield Road West Bldg. 50	Space Systems/Loral, LLC	Machine Shop
1172	355 Pioneer Way	Lenz Technology, Inc.	Machine Shop
1568	240 Polaris Avenue Unit A	Quality Precision Swiss Machining	Machine Shop
1584	264 Polaris Avenue	Torque-A-Matic Precision Machining	Machine Shop
1352	275 Polaris Avenue	Squaglia Mfg.	Machine Shop
1443	1074/1078 Wentworth Street Unit A&B	Haseltine Industrial Engravers Inc.	Machine Shop
1565	1033 Wright Avenue	C.K. Tool Company, Inc.	Machine Shop
1379	1059 Wright Avenue Unit A	Lassen High Vacuum , Inc.	Machine Shop
1345	2580 Wyandotte Street Unit D	D.P. Precision	Machine Shop
1199	774 Yuba Drive	Zinola's Machine Shop	Machine Shop

Food Service Facilities

Business Name	Site Address Number	Site Address Street	UBC
Shiva's Indian Restaurant	800	California Street	A-2
China Wok Restaurant	2633	California Street	A-2
Little Sheep Hot Pot Mong	102	Castro Street	A-2
Park Balluchi	288	Castro Street	A-2
Vacant (Previously Gochi Ji)	1036	Castro Street	A-2
Vacant (Previously New Ch)	360	Castro Street	A-2
Cafe Baklava	341	Castro Street	A-2
Sakoon	357	Castro Street	A-2
Agave	194/198	Castro Street	A-2
Vacant (Previously Cijjo' R)	246	Castro Street	A-2
Amici's Restaurant	790	Castro Street	A-2
Shezan Restaurant	216	Castro Street	A-2
Vacant (Previously Sono St)	357	Castro Street	A-2
St. Stephen's Green	223	Castro Street	A-2
New Mongolian BBQ	304	Castro Street	A-2
Xanh Vietnamese Restaura	110	Castro Street	A-2
Vaso Azzurro	108	Castro Street	A-2
Shell Shock	124	Castro Street	A-2
Bushido	156	Castro Street	A-2
Asian Box	142	Castro Street	A-2
Hangen Szechuan Restaura	134	Castro Street	A-2
Oren's Hummus Shop	126	Castro Street	A-2
Vacant (Previously 191 Res)	191	Castro Street	A-2
Ristorante Don Giovanni	235	Castro Street	A-2
Maru Ichi Noodle House	368	Castro Street	A-2
Kirin Chinese Restaurant	485	Castro Street	A-2
Ginseng Korean Barbeque	475	Castro Street	A-2
Amarin Thai Cuisine	174-176	Castro Street	A-2
Ephesus Mediterranean Cu	185	Castro Street	A-2
La Fontaine	186	Castro Street	A-2
Vacant (Previously Mixx)	420-440	Castro Street	A-2
Scratch Restaurant and Ba	401	Castro Street	A-2
Monte Carlo Night Club &	228	Castro Street	A-2
The Crepevine	300	Castro Street	A-2
Cascal	400	Castro Street	A-2
Ramen Izakaya Yugen	152	Castro Street	A-2
Pho Hoa & Jazen Tea	220	Castro Street	A-2
Doppio Zero	160	Castro Street	A-2
Hanamaru Corporation db	240	Castro Street	A-2
Fu Lam Mum (Bldg. Mgmt.	153	Castro Street (1st & 2nd Fl	A-2
Taber Food Services, Inc. d	2312	Central Expressway	A-2
KFC/Long John Silver	2603	Charleston Road	A-2
Chipotle Mexican Grill, Inc.	2400	Charleston Road	A-2
Sushi Tomi	635	Dana Street West	A-2
Niji Sushi	743	Dana Street West	A-2
Yakko Japanese Cuisine	975	Dana Street West	A-2
Chaat Indian Vegetarian R	163-167	El Camino Real East	A-2
El Chalateco	825	El Camino Real East	A-2
Satsuma Japanese Restaur	705	El Camino Real East	A-2
Burger King #4913	177	El Camino Real East	A-2
Himalayan Kitchen	820	El Camino Real East	A-2

Amber Cafe	600	El Camino Real West	A-2
Taco Bell #3047	950	El Camino Real West	A-2
Amber India Restaurant	2290	El Camino Real West	A-2
Passage To India Bakery, N	1100	El Camino Real West	A-2
Vacant (Previously Ron's F.	2026	El Camino Real West	A-2
Chili's Grill & Bar	2560	El Camino Real West	A-2
Vacant (Previously The Me	2700	El Camino Real West	A-2
Vive Sol	2020	El Camino Real West	A-2
Five Guys Burgers	2098	El Camino Real West	A-2
Passage To India	1991	El Camino Real West	A-2
In-N-Out Burger #152	53	El Camino Real West	A-2
Happi House Teriyaki	286	El Camino Real West	A-2
Clarke's Charcoal Broiler	615	El Camino Real West	A-2
Chevy's Fresh Mex Restaur	2116	El Camino Real West	A-2
El Paso Cafe	1407	El Camino Real West	A-2
Cooking Papa	1962	El Camino Real West	A-2
Frankie, Johnnie & Luigi Tc	939	El Camino Real West	A-2
Los Charros Restaurant	89	El Camino Real West	A-2
The Counter Mountain Vie	2580	El Camino Real West	A-2
Cocina Central Restaurant	2590	El Camino Real West	A-2
Chipotle Mexican Grill, Inc.	1039	El Monte Avenue	A-2
Panera Bread	1035	El Monte Avenue	A-2
McDonald's Restaurant #0	952	El Monte Avenue	A-2
Sushi 85 Japanese Restaur.	1350	Grant Road	A-2
Sweet Tomatoes	1040	Grant Road	A-2
Ocha Tea Cafe	1350	Grant Road	A-2
The Spice Islands Cafe(Clos	210	Hope Street	A-2
Vacant (Previously Bayside	2053	Landings Drive	A-2
Krispy Kreme	2146	Leghorn Street	A-2
Mario's Pizza & Italian Res	861	Leong Drive	A-2
Carl's Jr.	209	Middlefield Road East	A-2
Mountain Mike's Pizza	1724	Miramonte Avenue	A-2
Shana Thai Restaurant	311	Moffett Blvd.	A-2
Chef Zhao Bistro	400	Moffett Blvd.	A-2
Taqueria 3 Hermanos	327	Moffett Blvd.	A-2
Los Portales Mexican Cuisi	430	Moffett Blvd.	A-2
O'Malley's Sports Pub	2135	Old Middlefield Way	A-2
Bajis' Cafe	2423	Old Middlefield Way	A-2
Las Muchachas Restaurant	2483	Old Middlefield Way	A-2
Cucina Venti	1390	Pear Avenue	A-2
Falafel & Kebab	1477	Plymouth Street	A-2
Sunny Bowi	1477	Plymouth Street	A-2
The Sports Page	1431	Plymouth Street	A-2
Hanabi Japanese Restaura	1040	Rengstorff Avenue North	A-2
Goldilocks Consolidated Cr	1020	Rengstorff Avenue North	A-2
McDonalds Restaurant #16	1060	Rengstorff Avenue North	A-2
In-N-Out Burger #129	1159	Rengstorff Avenue North	A-2
Taqueria La Bamba	580	Rengstorff Avenue North	A-2
Masa's Sushi	400	San Antonio Road	A-2
Paul Martin's American Gr	545	San Antonio Road	A-2
Pacific Catch	545	San Antonio Road	A-2
Veggie Grill	565	San Antonio Road	A-2

Michael's Restaurant	2960	Shoreline Blvd. North	A-2
Fiesta Del Mar	1005	Shoreline Blvd. North	A-2
Taco Bell #16140	975	Shoreline Blvd. North	A-2
Jack In The Box #3425	510	Shoreline Blvd. North	A-2
Momoya Sushi	570	Shoreline Blvd. North	A-2
Round Table Pizza	570	Shoreline Blvd. North	A-2
Luu Noodle House	520	Showers Drive	A-2
Krung Thai	590	Showers Drive	A-2
Sushi 88 / Ramen	506	Showers Drive	A-2
Pho To Chau	853	Villa Street	A-2
Steins Beer Garden	895	Villa Street	A-2
La Fiesta Restaurant	240	Villa Street	A-2
Fiesta Del Mar Too	735	Villa Street	A-2

Business Name	Site Address Number	Site Address Street	UBC
Fraternal Order of Eagles -	181	Castro Street	A-3
Independent Order of Odd	206	Castro Street	A-3
Free & Accepted Masons c	890	Church Street	A-3
CMV - Senior Center	266	Escuela Avenue	A-3
St. Timothy's Church, Edw:	2094	Grant Road	A-3
Saint Joseph Catholic Chur	582	Hope Street	A-3
Iskcon of Silicon Valley	1965	Latham Street	A-3
Vacant (Temple Hospitality)	870	Leong Drive	A-3
New Community Baptist Cl	1250	Middlefield Road West	A-3
Mountain View Buddhist T	575	Shoreline Blvd. North	A-3
Chinese Church in Christ	920	Sierra Vista Avenue	A-3
Central Seventh Day Adver	1425	Springer Road	A-3
S F V Lodge	361	Villa Street	A-3

**Construction yard, Dry Cleaners, Corporation Yards, Paint Facilities, and
Pesticide Facilities**

**CITY OF MOUNTAIN VIEW
FIRE AND ENVIRONMENTAL PROTECTION DIVISION**

Wastewater Discharge Local Category Types

As of 9/4/2015

FacID	Facility Address	Facility Name	Local Categories
1518	2190 Crittenden Lane	A to Z / Tree Movers	Nursery,Pesticide Facility
1055	130 Dana Street East	ACCO Management/Avery	Construction/Building
1266	1049 El Monte Avenue Unit A	Blue Bird Cleaners	Dry Cleaner
1023	1350 Grant Road Unit 9	Axess Cleaners	Dry Cleaner
1501	1988 Leghorn Street Unit B/C	Shelton Roofing Co., Inc.	Construction/Building
1207	835 Leong Drive	Courtesy Cleaners & Drape, Inc.	Dry Cleaner
1247	1782 Miramonte Avenue	Blossom Valley Cleaners	Dry Cleaner
1156	750 Moffett Blvd.	PG&E - Whisman Substation	Corporation Yard
1113	Moffett Blvd. North of Hwy 101 (end of PG&E Access Road)	PG&E Whisman Substation	Corporation Yard
1359	580 Rengstorff Avenue North Unit F	Green and Fresh Cleaners	Dry Cleaner
1362	1695 Rock Street	Mountain View Whisman School District	Corporation Yard
1371	225 San Antonio Road Suite 7,8	San Antonio Cleaners	Dry Cleaner
722	924 San Rafael Avenue	El Camino Paving, Inc.	Automotive (Vehicle Svce),
1260	2608 Shoreline Blvd. North	CMV - Shoreline Golf Links	Pesticide Facility,Automotive (Vehicle Svce)
740	2612 Shoreline Blvd. North	CMV - Shoreline Maintenance	Automotive (Vehicle Svce), Pesticide Facility
1165	975 Terra Bella Avenue	Waterproofing Associates	Construction/Building
1446	159 Whisman Road North	J & M Termite Control Inc.	Pesticide Facility
1552	231 Whisman Road North	CMV - Parks Division	Corporation Yard, Pesticide Facility
1551	231 Whisman Road North	CMV - Fleet Services Division	Corporation Yard, Automotive (Vehicle Svce),
728	231 Whisman Road North	CMV - Utilities Division	Automotive (Vehicle Svce), Corporation Yard
1550	231 Whisman Road North	CMV - Streets Division	Corporation Yard, Construction Building
1553	231 Whisman Road North	CMV - Facilities Division	Corporation Yard
1548	231 Whisman Road North Bldg. D	CMV - Purchasing Warehouse Division	Corporation Yard
729	2513 Wyandotte Street	O'Grady Paving Inc.	Automotive (Vehicle Svce),
1147	2520 Wyandotte Street Unit C	Frank Sousa Landscape Management Co	Construction/Building
1464	2550 Wyandotte Street Suite E	Pete Wismann Masonry, Inc.	Construction/Building
1161	690 Yuba Drive	PG&E - Mountain View Substation	Corporation Yard
1182	780 Yuba Drive	Bill Peet Heating & Air Conditioning, Inc	Construction/Building

Appendix 5-1

C.5.b.ii.(4) – IDDE Incident, Enforcement, and Source Summary

CITY OF MOUNTAIN VIEW
FIRE AND ENVIRONMENTAL PROTECTION DIVISION
 Illicit Connection/Illegal Discharge Program
 IC/ID Incident Type Report between 7/1/2014 and 6/30/2015
 as of 8/11/2015

<u>Type of Incident</u>	<u>Potential Source of Incident</u>	<u>Total</u>
Abandoned drums discharge	Commercial	1
Abandoned drums discharge	Other/unknown	1
Abandoned drums discharge	Public facilities and Utilities	1
Abandoned drums discharge	Residential	1
Accidental spills	Commercial	3
Accidental spills	Other/unknown	1
Accidental spills	Residential	5
Complaint not found	Residential	3
Cooling water discharge	Commercial	1
Dumping - non-hazardous	Automotive Facilities	1
Dumping - non-hazardous	Commercial	3
Dumping - non-hazardous	Construction Sites	1
Dumping - non-hazardous	Food Facilities	4
Dumping - non-hazardous	Other/unknown	1
Dumping - non-hazardous	Residential	2
Dumpster discharge	Commercial	2
Equipment cleaning	Commercial	2
Equipment cleaning	Food Facilities	1
Food Facility Oil & grease discharge	Food Facilities	4
Grey water discharge	Commercial	1
Illicit connections	Food Facilities	1
Misc. incidents	Construction Sites	1
Misc. incidents	Industrial	1
Misc. incidents	Residential	1
Pools/Spas/Fountains discharge	Residential	1
RV Waste discharge	Automotive Facilities	1
RV Waste discharge	Residential	5
Sanitary spill or leak	Commercial	3
Sanitary spill or leak	Construction Sites	1
Sanitary spill or leak	Food Facilities	2
Sanitary spill or leak	Other/unknown	1
Sanitary spill or leak	Residential	8
Saw cutting slurry discharge	Construction Sites	2

CITY OF MOUNTAIN VIEW
 FIRE AND ENVIRONMENTAL PROTECTION DIVISION
 Illicit Connection/Illegal Discharge Program
 IC/ID Incident Type Report between 7/1/2014 and 6/30/2015
 as of 8/11/2015

<u>Type of Incident</u>	<u>Potential Source of Incident</u>	<u>Total</u>
Saw cutting slurry discharge	Residential	1
Surface cleaning discharge	Construction Sites	1
Vehicle & equipment leaking	Automotive Facilities	1
Vehicle & equipment leaking	Commercial	6
Vehicle & equipment leaking	Industrial	1
Vehicle & equipment leaking	Other/unknown	2
Vehicle & equipment leaking	Public facilities and Utilities	1
Vehicle & equipment leaking	Residential	5
Vehicle repair	Residential	1

Total Number of IC/ID Incidents is 86

CITY OF MOUNTAIN VIEW
FIRE AND ENVIRONMENTAL PROTECTION DIVISION
Illicit Connection/Illegal Discharge Program
IC/ID Incident Source Report between 7/1/2014 and 6/30/2015
as of 8/3/2015

<u>Sources of Incident Reports</u>	<u>Totals</u>
Citizen complaints	38
Illicit discharge inspectors	15
Interdepartmental	33
Other agency	1

CITY OF MOUNTAIN VIEW
FIRE AND ENVIRONMENTAL PROTECTION DIVISION

Illicit Connection/Illegal Discharge Program

IC/ID Enforcement Action Report between 7/1/2014 and 6/30/2015

as of 8/11/2015

<u>Follow-up and Enforcement Actions</u>	<u>Totals</u>
Administrative Action	3
Administrative Action with Penalty &/or Fine	5
No Action	42
Verbal Notice	23
Warning Notice	13

Total Fines Collected \$2,500.00

Appendix 9-1
C.9.b-FY 14-15 - Number of Different Pesticide Products Used

Pesticide category	Number of Different Pesticides Used											
	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	FY 14-15
I	0	0	1	0	0	0	0	0	1	1	1	1
II	8	6	5	7	5	5	3	1	4	0	0	1
III	22	22	25	29	35	38	27	33	34	36	42	40
None	0	0	0	1	1	2	2	2	1	1	1	1
total 1	30	28	31	37	41	45	32	36	40	38	44	43

NOTE: "none" indicates a pesticide used that is exempt from pesticide registration requirements

Appendix 9-2
C.9.b-FY 14-15 - Quantity of Pesticides Applied

Pesticide category	Quantity of Pesticides Applied (lbs) and Percent Change Comparing FY 14-15 Results to Previous Year and 12-year Average															
	FY 02-03	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	12-year average	FY 14-15	% change to prev. yr.	% change to 12-yr. avg.
I	144	0	0	340	0	0	0	0	0	93	94	141	68	94	-33	38
II	556	512	265	373	452	147	284	297	9	103	0	0	250	11	100	-96
III	1777	2155	3310	5420	3287	3658	3946	3738	3075	2190	1845	2022	3035	1925	-4	-37
None	0	0	0	0	47	136	198	345	213	178	71	219	117	209	-5	77
total 1*	2477	2667	3575	6133	3786	3941	4428	4380	3297	2564	2010	2382	3569	2239	-6	-37
total 2**	2477	2667	3575	6133	3739	3805	4230	4035	3084	2386	1939	2163	3460	2030	-6	-41

*Total 1 includes use of non-regulated, exempt Clove Oil product

**Total 2 evaluates use not including non-regulated, exempt Clove Oil product

Appendix 9-3
C.9.b-FY 14-15 - Quantity of Active Ingredients Applied

Pesticide category	Quantity of Active Ingredients Applied (lbs) and Percent Change Comparing FY 14-15 Results to Previous Year and 12-year Average															
	FY 02-03	FY 03-04	FY 04-05	FY 05-06	FY 06-07	FY 07-08	FY 08-09	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14	12-year average	FY 14-15	% change to prev. yr.	% change to 12-yr. avg.
I	88	0	0	29	0	0	0	0	0	20	21	31	16	21	-32%	31%
II	235	222	87	244	140	48	92	51	4	25	0	0	96	4	100%	-96%
III	853	694	970	1088	799	1101	1281	953	783	548	688	597	863	587	-2%	-32%
None	0	0	0	0	3	8	12	11	12	11	12	14	7	13	-7%	86%
total 1*	1,176	916	1,057	1,361	942	1,157	1,385	1,015	799	604	740	648	983	625	-2%	-36%
total 2**	1,176	916	1,057	1,361	939	1,149	1,373	1,004	787	593	728	634	976	612	-2%	-37%

*Total 1 includes use of non-regulated, exempt Clove Oil product

**Total 2 evaluates use not including non-regulated, exempt Clove Oil product

Note: Active ingredient applications for two products were discovered to have been over-reported from FY03-04 through FY 10-11.

The over-reporting of active ingredient occurred because the dilution factor was not taken into account.

Amounts reflect previous Annual Reports have been revised on this version of Table 3.

Appendix 9-4
C.9.b – Pesticides of Concern, FY 14-15 Usage

Product Name	Target Pest	Active Ingredient	Total Applied (lb.)	Active Ingredient Amount (lb)	Water Quality Threat/Precautions
Drion	Bees/wasps	Pyrethrin	0.09	0.01	Applied to hives
Excite	Yellow jackets	Pyrethrin	2.1	0.13	Applied into a ground nest near a building entrance.
Maxforce	Ants	Fipronil	0.14	0.00001	Bait stations and mostly interior.
Proxy	Poa seedhead	Ethephon	140	30.9	Applied to golf course greens during dry months and no irrigation.
Tempo	Spiders	Beta-cyfluthrin	77	0.15	Indoor and outdoor usage. Dilute solution. Not applied on paved surface only soil surface.
Termidor	Termites	Fipronil	1.5	0.14	Applied around the base of buildings not onto paved surface only soil surface.
Wasp Feeze	Yellow Jackets	D-trans allethrin	0.38	0.001	Applied into hives

Appendix 9-5

C.9.d – IPM Contract Language

GOLF COURSE MANAGEMENT SERVICES AGREEMENT BETWEEN
THE CITY OF MOUNTAIN VIEW AND TOUCHSTONE GOLF, LLC

This Agreement is dated for identification this _____ day of _____, 2012, and is made by and between the CITY OF MOUNTAIN VIEW, a California Charter City and municipal corporation, whose address is P.O. Box 7540, Mountain View, California, 94039 (hereinafter "CITY"), and TOUCHSTONE GOLF, LLC, a Delaware limited liability company, whose address is 1052 Overlook Road, Berkeley, California, 94708 (hereinafter "OPERATOR").

RECITALS

1. CITY is the owner of Shoreline Golf Links that includes an 18-hole municipal golf course, a driving range, Maintenance Yard, a cart storage facility, a Pro Shop, Maintenance Yard, administrative offices and all amenities known as Shoreline Golf Links (collectively, the "Golf Course").
2. CITY desires to utilize the services of OPERATOR for the overall management, maintenance and operation of the Golf Course, including, but not limited to, the supervision of all employees and maintenance of facilities.
3. In March 2011, CITY invited golf management companies to submit a proposal for a management services agreement for all Golf Course operations.
4. OPERATOR submitted a proposal and was selected by CITY based on its experience in reinvigorating golf courses, operating a golf course over a landfill, managing wildlife issues and marketing of golf courses.
5. OPERATOR represents that it has the necessary experience and qualifications to manage, operate and maintain the Golf Course in accordance with the proposal it submitted.
6. CITY and OPERATOR agree that the primary objectives for OPERATOR's performance under this Agreement are to provide high-quality golf experiences, high-quality maintenance practices and to generate revenues sufficient for full cost recovery for Golf Course operations.

other facilities shall be Direct Costs. OPERATOR and CITY will mutually agree upon an appropriate level of service and/or budget to support this level of service.

3.4.2. OPERATOR agrees to enter into preventative and regular maintenance contracts, with providers approved by Director, for services to include, but not be limited to, pest control, window cleaning and carpet cleaning. All costs associated with these service contracts shall be Direct Costs.

3.4.3. Grounds Maintenance Services. OPERATOR shall provide grounds maintenance services for the Golf Course, including, but not limited to, the obligation to mow, edge, trim, overseed, fertilize, aerate, sod, change cups, service tees, topdress, raise divots, rake traps, spray, spot irrigate, syringe and renovate turf and shrub areas, as well as to provide weed, disease and pest control, litter control and rubbish removal, bird dropping removal, parking lot sweeping, tree maintenance, maintenance of irrigation systems including mainlines, pumps, boosters and controllers, to keep swales in good repair and to provide the necessary and appropriate maintenance of any appurtenant structures and equipment, and to perform other duties as set forth in the Maintenance Standards outlined in the Golf Course Manual. OPERATOR shall replace or change any supplies, materials or procedures used by OPERATOR that are found reasonably objectionable by Director, within five (5) calendar days after receipt of Director's written request for such replacement or change. OPERATOR shall make every reasonable effort to obtain certification for the Golf Course from Audubon International as a Cooperative Sanctuary. Operator shall comply with all applicable local, State and Federal clean water regulatory requirements, including but not limited to all Federal NPDES requirements.

3.4.3.1. Chemical Herbicides and Pesticides. OPERATOR shall not cause or permit the application of biocides, defoliants, chemical fertilizers, pesticides, herbicides, fungicides or other agrichemicals, except as set forth in the Integrated Pest Management and Chemical Application Management Plans (IPM-CHAMP). The current plan shall be adopted and implemented by OPERATOR and shall be consistent with the Hazardous Materials provisions set forth in Section 3.25. OPERATOR shall ensure that employees

are trained and knowledgeable about best management practices for using fertilizers, herbicides and pesticides to prevent any Hazardous Materials release and how to handle any such accidental release. OPERATOR shall obtain any required permits and submit any required reports related to the use of permitted biocides, defoliants, chemical fertilizers, pesticides, herbicides or other agrichemicals, including the County of Santa Clara ("County") Agriculture Commissioner.

3.4.3.2. Water. OPERATOR shall not cause any ponding on the Golf Course or any flooding on adjacent land. Unless otherwise specifically directed by CITY, OPERATOR shall not engage in any activity that causes any change, disturbance, fill, alteration or impairment to the bed, bank, canal or channel of any natural water course, wetland or other body of water on, in, under, or about the Golf Course; nor shall OPERATOR engage in any activity that would pollute or degrade the surface or subsurface waters or result in the diminution or drainage of such waters.

3.4.3.3. Protection of Utilities. At all times during the term of this Agreement, OPERATOR shall use its reasonable best efforts to protect the facilities of utilities located on and under the Golf Course from any damage, injury or disturbance. If OPERATOR, or any of its agents or guests damage, injures or disturbs any of the foregoing facilities, OPERATOR shall immediately notify CITY of that occurrence.

3.4.3.4. Trees and Other Plant Materials. OPERATOR shall maintain all trees and other plant materials on the Golf Course in compliance with the Golf Course Manual. OPERATOR shall not remove or destroy any tree or other plant materials on the Golf Course without the prior written approval of the Director or his/her designee. In the case that a tree, or portion of a tree, has fallen on the Golf Course and becomes a safety hazard, Director's oral approval is acceptable for removal or pruning. All pruning shall be consistent with CITY guidelines and the International Society of Arboriculture Tree Pruning Guidelines.

Appendix 15-1

C.15.b.iii.(2) – Unplanned Discharges

CITY OF MOUNTAIN VIEW DISCHARGE MONITORING

Unplanned Discharges of the Potable Water System¹

Site/Location	Discharge Type	Receiving Waterbody(s)	Date of Discharge	Discharge Duration (military time)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity (NTU) ^{2,3}	Implemented BMPs & Corrective Actions	Time of discharge discovery	Regulatory Agency Notification Time ⁴	Inspector arrival Time	Responding crew arrival time
1 See Below	3	AC	7/5/2014	187 min	598,400		2	9.2	50+	DECLOR	200			230
2 See Below														
3 See Below														
4 See Below														
5 See Below														
6 See Below														
7 See Below														
8 See Below														
9 See Below														
10 See Below														
11 See Below														
Total					598,400									
Detailed Site Location														
1	1200 Villa St (Shoreline Blvd overpass) (364)													
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														

CITY OF MOUNTAIN VIEW DISCHARGE MONITORING

Unplanned Discharges of the Potable Water System¹

Site/Location	Discharge Type	Receiving Waterbody(s)	Date of Discharge	Discharge Duration (military time)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual ² (mg/L)	pH (standard units)	Discharge Turbidity (NTU) ^{2,3}	Implemented BMPs & Corrective Actions	Time of discharge discovery	Regulatory Agency Notification Time ⁴	Inspector arrival Time	Responding crew arrival time
1 See Below	3	AC	8/15/2014	4800min	9600gal		2	9.4	50+	DELCOR	1330	1330		1330
2 See Below	4	AC	8/20/2014	10Min	1500gal		2	8	50+	DELCOR	1200	1200		1210
3 See Below	3	AC	8/21/2014	540min	3.618MG		2	8.4	50+	DELCOR	730	730		800
4 See Below														
5 See Below														
6 See Below														
7 See Below														
8 See Below														
9 See Below														
10 See Below														
11 See Below														
Total											0			
Detailed Site Location														
1	530 Showers Dr (10" inline gate valve) 364													
2	452 Pettis Ave (3/4 service line hit by contractor) 364													
3	1913 West Middlefield Rd (Whisman Sports Complex) 364													
4														
5														
6														
7														
8														
9														
10														
11														

CITY OF MOUNTAIN VIEW DISCHARGE MONITORING

Unplanned Discharges of the Potable Water System¹

Site/Location	Discharge Type	Receiving Waterbody(s)	Date of Discharge	Discharge Duration (military time)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual ² (mg/L)	pH (standard units)	Discharge Turbidity (NTU) ^{2,3}	Implemented BMPs & Corrective Actions	Time of discharge discovery	Regulatory Agency Notification Time ⁴	Inspector arrival Time	Responding crew arrival time	
1 See Below	4	A/C	9/8/2014	60MIN	27,600		2	9.1	50+	DECLOR	1430			1440	
2 See Below	4	A/C	9/10/2014	20min	8,000		2	8.6	50+	DECLOR	1000			1000	
3 See Below															
4 See Below															
5 See Below															
6 See Below															
7 See Below															
8 See Below															
9 See Below															
10 See Below															
11 See Below															
Total											35,600				
Detailed Site Location															
1	2" Brass saddle let go @ 1285 Pear when a contractor preped it to be abandoned														
2	Hit unmarked 1" service line @1614 Morgan St.														
3															
4															
5															
6															
7															
8															
9															
10															
11															

CITY OF MOUNTAIN VIEW DISCHARGE MONITORING

Unplanned Discharges of the Potable Water System¹

Site/Location	Discharge Type	Receiving Waterbody(s)	Date of Discharge	Discharge Duration (military time)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual ² (mg/L)	pH (standard units)	Discharge Turbidity (NTU) ^{2,3}	Implemented BMPs & Corrective Actions	Time of discharge discovery	Regulatory Agency Notification Time ⁴	Inspector arrival Time	Responding crew arrival time
1 See Below	3	AC	12/4/2014	30min	10,200		2	9	50+	DECLOR	10:30am	10:30am	10:40am	10:40am
2 See Below	3	AC	12/9/2014	10080min	100,800		2	9	50+	DECLOR	10.00am			10:30am
3 See Below	3	AC	12/12/2014	30min	5,100		2	9	50+	DECLOR	07:00am	7:05		7:30
4 See Below	3	AC	12/26/2014	5760min	144000		2	9	50+	DECLOR	08:00am			08:25am
5 See Below														
6 See Below														
7 See Below														
8 See Below														
9 See Below														
10 See Below														
11 See Below														
Total					260,100									

Detailed Site Location	
1	460 North Shoreline Blvd (service line leak) (364)
2	773 Cuesta Dr (main break) (364)
3	55 Fairchild Dr (Hydrant run break) (364)
4	2462 Whitney Dr (Main break) (364)
5	
6	
7	
8	
9	
10	
11	

CITY OF MOUNTAIN VIEW DISCHARGE MONITORING

Unplanned Discharges of the Potable Water System¹

Site Location	Discharge Type	Receiving Waterbody(s)	Date of Discharge	Discharge Duration (military time)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual ² (mg/L)	pH (standard units)	Discharge Turbidity (NTU) ^{2,3}	Implemented BMPs & Corrective Actions	Time of discharge discovery	Regulatory Agency Notification Time ⁴	Inspector arrival Time	Responding crew arrival time	
1 See Below	3	A/C	1/6/2015	230min	11,250		2	8.3	50+	DECLOR	11:00AM			11:00AM	
2 See Below	3	A/C	1/11/2015	35min	27,720		2	8.3	50+	DECLOR	6:53AM			7:53am	
3 See Below	3	A/C	1/14/15	900min	66,000		2	8.3	50+	DECLOR	5:00pm			7:00am	
4 See Below	3	A/C	1/6/2015	60min	11,250		2	8.3	50+	DECLOR	10:15am			10:30am	
5 See Below	4	A/C	1/8/2015	60min	25,550		2	8.3	50+	DECLOR	7:15am			7:40am	
6 See Below	4	A/C	1/17/2015	7Days	50,400		2	8.6	50+	DECLOR	11:30am			7:00am	
7 See Below	7	A/C	1/23/2015	30	221,100		2	8.5	50+	DECLOR	9:28am			9:40am	
8 See Below															
9 See Below															
10 See Below															
11 See Below															
					Total	413,270									

Detailed Site Location

1	MAIN BRAKE @ 1901 JARDIN DR.
2	Water Main Break @ 521 Del Medio Ave.
3	Water Main Break at Easy St. @ Keller
4	Water Main Break 1901 Jardin Dr.
5	10" Service line leak @ 2500 Grant Rd.
6	Leak on 6" fire line @ 1555 Plymouth St.
7	Hit fire hydrant @ 700 E ECR
8	
9	
10	
11	

CITY OF MOUNTAIN VIEW DISCHARGE MONITORING

Unplanned Discharges of the Potable Water System¹

Site/Location	Discharge Type	Receiving Waterbody(s)	Date of Discharge	Discharge Duration (military time)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual ² (mg/L)	pH (standard units)	Discharge Turbidity (NTU) ^{2,3}	Implemented BMPs & Corrective Actions	Time of discharge discovery	Regulatory Agency Notification Time ⁴	Inspector arrival Time	Responding crew arrival time
1 See Below	7	AC	3/1/2015	11min	27,500		2	9	50		1:37am	1:37m	1:47am	2:05am
2 See Below														
3 See Below														
4 See Below														
5 See Below														
6 See Below														
7 See Below														
8 See Below														
9 See Below														
10 See Below														
11 See Below														
Total					27,500									
Detailed Site Location														
1	D3-17 2105 Old Middlefield Way (364)													
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														

CITY OF MOUNTAIN VIEW DISCHARGE MONITORING

Unplanned Discharges of the Potable Water System¹

Site/Location	Discharge Type	Receiving Waterbody(s)	Date of Discharge	Discharge Duration (military time)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual ² (mg/L)	pH (standard units)	Discharge Turbidity (NTU) ^{2,3}	Implemented BMPs & Corrective Actions	Time of discharge discovery	Regulatory Agency Notification Time ⁴	Inspector arrival Time	Responding crew arrival time
1 See Below	4	AC	3/5/2015	5760min	5760gal		2	9	5	DELCOR	1:00pm	1:10pm		1:25pm
2 See Below														
3 See Below														
4 See Below														
5 See Below														
6 See Below														
7 See Below														
8 See Below														
9 See Below														
10 See Below														
11 See Below														
Total					0									

Detailed Site Location

1050 LA Avenida Ave 2' Service leak (364)

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

CITY OF MOUNTAIN VIEW DISCHARGE MONITORING

Unplanned Discharges of the Potable Water System¹

Site/Location	Discharge Type	Receiving Waterbody(s)	Date of Discharge	Discharge Duration (military time)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual ² (mg/L)	pH (standard units)	Discharge Turbidity (NTU) ^{2,3}	Implemented BMPs & Corrective Actions	Time of discharge discovery	Regulatory Agency Notification Time ⁴	Inspector arrival Time	Responding crew arrival time	
1 See Below	3	AC	4/6/2015	30Min	2000gal		2	8	50	DECLOR	1340	1350		1410	
2 See Below	3	AC	4/24/2015	30min	12,000		2	8	50	DECLOR	605	610		624	
3 See Below															
4 See Below															
5 See Below															
6 See Below															
7 See Below															
8 See Below															
9 See Below															
10 See Below															
11 See Below															
Total											12,000				
Detailed Site Location															
1	1161 San Antonio Rd, Fire line break (364)														
2	1642 Spring St Main line break (364)														
3															
4															
5															
6															
7															
8															
9															
10															
11															

CITY OF MOUNTAIN VIEW DISCHARGE MONITORING

Unplanned Discharges of the Potable Water System¹

Site/Location	Discharge Type	Receiving Waterbody(s)	Date of Discharge	Discharge Duration (military time)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual ² (mg/L)	pH (standard units)	Discharge Turbidity (NTU) ^{2,3}	Implemented BMPs & Corrective Actions	Time of discharge discovery	Regulatory Agency Notification Time ⁴	Inspector arrival Time	Responding crew arrival time
1 See Below	7	A/C	5/8/2015	60	4,442,200		1.8	8.9	50+	shut down hyd	2400			2430
2 See Below														
3 See Below														
4 See Below														
5 See Below														
6 See Below														
7 See Below														
8 See Below														
9 See Below														
10 See Below														
11 See Below														
Total					4,442,200									
Detailed Site Location														
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														

Acronyms/Abbreviations/Definitions

AB	Assembly Bill
ABAG	Association of Bay Area Governments
ABC	Annual Budget Review Compilation
ACCWP	Alameda Countywide Clean Water Program
ACOE	U.S. Army Corps of Engineers
AHTG	Ad Hoc Task Group
AR	Annual Report
ASCE	American Society of Civil Engineers
BAAQMD	Bay Area Air Quality Management District
BART	San Francisco Bay Area Rapid Transit
BATG	Budget Ad Hoc Task Group
Basin	Santa Clara Basin
Basin Plan	Water Quality Control Plan for the San Francisco Basin
BACWA	Bay Area Clean Water Agencies
BAHM	Bay Area Hydrology Model
BAMBI	Bay Area Macroinvertebrate Bioassessment Information
BASMAA	Bay Area Stormwater Management Agencies Association
Bay	San Francisco Bay
Bay Area	San Francisco Bay Area
BMI	Benthic Macroinvertebrate
BMM	Lower South Bay Monitoring and Modeling Subgroup
BMP	Best Management Practice
BOMA	Building Owners and Managers Association
BPP	Brake Pad Partnership
BU	beneficial use
C	Celsius
C.3	Permit Provision C.3
C3PO	C.3 Provision Oversight
CA	California
Cal-EPA	California Environmental Protection Agency
Caltrans	California Department of Transportation

Acronyms/Abbreviations/Definitions

CAMLnet	California Aquatic Macroinvertebrate Laboratory Network
Campaign	Watershed Watch Campaign
CAP	Copper Action Plan
CASQA	California of Stormwater Quality Association
CB	Copper Baseline
CCC	Continuous Concentration Criterion
CD-ROM	Compact Disk-Read Only Memory
CDS	Continuous Deflective Separation
CEP	Clean Estuary Partnership
CESQG	Conditionally Exempt Small Quantity Generator
CEQA	California Environmental Quality Act
CFR	Code of Federal Regulations
cfs	cubic feet per second
CI	Continuous Improvement
CIWMB	California Integrated Waste Management Board
CMIA	Conceptual Model Impairment Assessment
CMS	Copper Management Strategy
COA	Condition of Approval
CoHHW	Santa Clara County Household Hazardous Waste Program
CoHHW Program	Santa Clara County Household Hazardous Waste Program
COLD	cold freshwater habitat
CRMP	Coordinated Resources Management and Planning
CSBP	California Stream Bioassessment Procedures
CTR	California Toxic Rule
Cu	copper
CWA	Clean Water Act
DDD	Dichlorodiphenyldichloroethane
DDE	Dichlorodiphenyldichloroethylene
DDT	Dichlorodiphenyltrichloroethane
DEH	Santa Clara County Department of Environmental Health
District	Santa Clara Valley Water District

Acronyms/Abbreviations/Definitions

DO	Dissolved Oxygen
DOE	Department of Energy
DPR	Department of Pesticide Regulation
DWR	Department of Water Resources
E. Coli	Enterococcus Coli
EEC	SF Bay Wildlife Refuge Environmental Education Center
EEDMS	Environmental Enforcement Data Management System
EEPS	Exposure and Effects Pilot Study
e.g.	for example
EMAP	Environmental Monitoring Program
EMB	Executive Management Board
EOA	Eisenberg, Olivieri, and Associates
EPA	U.S. Environmental Protection Agency
Estuary	San Francisco Bay Estuary
F	Fahrenheit
FLT	Fluorescent Light Tube
FY	Fiscal Year
GCRC	Guadalupe-Coyote Resource Conservation District
GIASP	General Industrial Activities Stormwater Permit
GIS	Geographic Information System
GRTS	Generalized Random Tessellation Stratified
Group 1	C.3 compliance threshold - 1 acre of impervious surface
Group 2A	C.3 compliance threshold - 10,000 sq. ft. of impervious surface at specific land use areas
Group 2B	C.3 compliance threshold - 10,000 sq. ft.
HBANC	Home Builders Association of Northern California
Hg	Mercury
HMP	Hydromodification Management Plan
HHW	Household Hazardous Waste
HVAC	Heating, Ventilation and Air Conditioning
IBI	Index of Biotic Integrity
IC/ID	Illicit Connection and Illegal Dumping

Acronyms/Abbreviations/Definitions

ID	Identification
IND	Industrial/Commercial
i.e.	that is
IPM	Integrated Pest Management
JPA	Joint Powers Authority
K	Kindergarten
KAB	Keep America Beautiful
kg	Kilogram
L	Liter
Lb	Pound
LA	load allocation
LFA	Limiting Factors Analysis
LID	Low Impact Development
LSSB	Lower South San Francisco Bay
LUS	Land Use Subgroup
MC	Management Committee
MCMP	Metals Control Measures Plan
MCTT	Multi-Chambered Treatment Train
Mddb	Metadata Database
MDL	Most Downstream Location
MEP	Maximum Extent Practicable
Mercury Plan	Mercury Pollution Prevention Plan
mg	milligram
mgd	million gallons per day
MIGR	fish migration
MOA	Memorandum of Agreement
MOFO	Morrison & Foerster
MOU	Memorandum of Understanding
MP	Monitoring Priority
MROSD	Mid-Peninsula Regional Open Space District
MRP	Municipal Regional Permit

Acronyms/Abbreviations/Definitions

MRP 2.0	Re-issuance of MRP
MYRWMP	Multi-Year Receiving Waters Monitoring Plan
NAP	Nickel Action Plan
NEMA	National Electrical Manufacturers Association
NAIOP	National Association of Industrial and Office Properties
NEPA	National Environmental Policy Act
ng	Nanogram
Ni	Nickel
NOI	Notice of Intent
NPDES	National Pollutant Discharge Elimination System
OC	Organochlorine
O&M	Operation and Maintenance
OP	Organophosphate
OWOW	Our Water Our World
P2	Pollution Prevention
PAHs	Polynuclear Aromatic Hydrocarbons
PBDE	Polybrominated Diphenyl Ether
Pb	Lead
PCBs	Polychlorinated Biphenyls
PCDD	Polychlorinated Dibenzo-p-Dioxins
PCDF	Polychlorinated Dibenzofurans
PCO	Pest Control Operator
pg	Picogram
PHAB	Physical Habitat Assessments
PIP	Public Information and Participation
PI/P	Public Information and Participation
PIPP	Public Information and Participation Program
PMPS	Pest Management Performance Standard
POC	Pollutant of Concern
POTW	Publicly Owned Treatment Works
PPPS	Planning Procedures Performance Standard

Acronyms/Abbreviations/Definitions

Program	Santa Clara Valley Urban Runoff Pollution Prevention Program
PS	Performance Standard
PVC	Polyvinyl Chloride
Q	Quarter
QAPP	Quality Assurance Project Plan
RAC	Regional Ad Campaign
RARE	preservation of rare and endangered species
RCRA	Resource Conservation and Recovery Act
REC- 1	water contact recreation
REC-2	non-contact water recreation
Regional Board	San Francisco Bay Regional Water Quality Control Board
RFP	Request for Proposal
RMAS	Regional Monitoring and Assessment Strategy
RMP	Regional Monitoring Program
RPT	Report Preparation Team
RS	Regulatory Subgroup
RTA	Rapid Trash Assessment
RWQCB	San Francisco Bay Regional Water Quality Control Board
SC	Steering Committee
SCC	Santa Clara County
SCBWM1	Santa Clara Basin Watershed Management Initiative
SCVURPPP	Santa Clara Valley Urban Runoff Pollution Prevention Program
SCVWD	Santa Clara Valley Water District
SF	San Francisco
SFEI	San Francisco Estuary Institute
SFEP	San Francisco Estuary Project
SFPUC	San Francisco Public Utilities Commission
SIC	Standard Industrial Classification
SMaRT®	Sunnyvale Materials Recovery and Transfer
SOP	Standard Operating Procedures
South Bay	Lower South San Francisco Bay

Acronyms/Abbreviations/Definitions

SPLWG	Sources, Pathways and Loadings Work Group (RMP)
SPWN	fish spawning
SSC	Suspended Sediment Concentration
SSI	Inventory of Santa Clara Basin Stream Studies
SSO	Water Quality Site-Specific Objective
State Board	State Water Resources Control Board
STOPPP Program	San Mateo Countywide Stormwater Pollution Prevention
SWAMP	Surface Waters Ambient Monitoring Program
SWANA	Solid Waste Association of North America
SWMP	Stormwater Management Plan (C.3 compliance document)
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
TAC	Technical Advisory Committee
TMDL	Total Maximum Daily Load
TO	Tentative Order
TP	Total Phosphorus
TPH	Total Petroleum Hydrocarbons
TRC	Technical Review Committee
ug	Microgram
UPC	Urban Pesticide Committee
URMP	Urban Runoff Management Plan
URQM	Urban Runoff Quality Management
USA	Unified Stream Assessment
USEPA	U. S. Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
VTA	Santa Clara Valley Transportation Authority
WAC	Watershed Assessment Consultant
WAMS	Watershed Assessment and Monitoring Subgroup
WAR	Watershed Assessment Report
WARM	warm freshwater habitat

Acronyms/Abbreviations/Definitions

Water Board	San Francisco Bay Regional Water Quality Control Board
Water District	Santa Clara Valley Water District
WEF	Water Environment Federation
WEO	Watershed Education and Outreach
WE&O	Watershed Education and Outreach
WERF	Water Environment Research Foundation
WG	Work Group
WILD	wildlife habitat
WLA	Waste Load Allocation
WMI	Watershed Management Initiative
Work Group "I"	SCBWMI Phase I Indicators Work Group
WP	Work Plan
WRPC	Water Resources Protection Collaborative
WUPPP	Water Utility Pollution Prevention Plan
WVCWP	West Valley Clean Water Program
WW	Watershed Watch
WWTP	Wastewater Treatment Plant
WY	Water Year
YSI	Youth Science Institute
Zn	Zinc