

City of Sunnyvale

Stormwater Management

Annual Report 2011-2012



Cover Pictures

At top:

- 1) Environmental Services staff cleaning out a catch basin
- 2) Green Gardener Training, hands-on session

At bottom:

- 1) Storm drain outfall
- 2) Earth Care Kidz Program, litter pick-up on day two



September 11, 2012

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 Sunnyvale
FY 2011-2012 Annual Report for the Stormwater Permit

Dear Mr. Wolfe,

This letter and Annual Report with attachments is submitted by the City of Sunnyvale 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 2011-2012 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 Melody Tovar at (408) 730-7808 regarding any questions or concerns.

Sincerely,

John E. Stufflebean
Duly Authorized Representative
Director, Environmental Services Department

ADDRESS ALL MAIL TO: P.O. BOX 3707 SUNNYVALE, CALIFORNIA 94088-3707
TDD (408) 730-7501

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Table of Contents

Section	Page
Section 1 – Permittee Information.....	1-1
Section 2 – Provision C.2 Municipal Operations	2-1
Section 3 – Provision C.3 New Development and Redevelopment.....	3-1
Section 4 – Provision C.4 Industrial and Commercial Site Controls.....	4-1
Section 5 – Provision C.5 Illicit Discharge Detection and Elimination	5-1
Section 6 – Provision C.6 Construction Site Controls.....	6-1
Section 7 – Provision C.7 Public Information and Outreach	7-1
Section 8 – Provision C.8 Water Quality Monitoring.....	8-1
Section 9 – Provision C.9 Pesticides Toxicity Controls	9-1
Section 10 – Provision C.10 Trash Load Reduction.....	10-1
Section 11 – Provision C.11 Mercury Controls	11-1
Section 12 – Provision C.12 PCBs Controls	12-1
Section 13 – Provision C.13 Copper Controls.....	13-1
Section 14 – Provision C.14 PBDE, Legacy Pesticides and Selenium Controls.....	14-1
Section 15 – Provision C.15 Exempted and Conditionally Exempted Discharges	15-1

Section 1 – Permittee Information

Background Information			
Permittee Name:	City of Sunnyvale		
Population:	142,896		
NPDES Permit No.:	CAS612008		
Order Number:	R2-2009-0074		
Reporting Time Period (month/year):	July 1, 2011 through June 30, 2012		
Name of the Responsible Authority:	John E. Stufflebean	Title:	Director, Environmental Services Department
Mailing Address:	P.O. Box 3707		
City:	Sunnyvale	Zip Code:	94088-3707
		County:	Santa Clara
Telephone Number:	(408) 730-7954	Fax Number:	(408) 736-1611
E-mail Address:	jstufflebean@ci.sunnyvale.ca.us		
Name of the Designated Stormwater Management Program Contact (if different from above):	Melody Tovar	Title:	Regulatory Programs Division Manager
Department:	Environmental Services		
Mailing Address:	P.O. Box 3707		
City:	Sunnyvale	Zip Code:	94088-3707
		County:	Santa Clara
Telephone Number:	(408) 730-7808	Fax Number:	(408) 747-1139
E-mail Address:	mtovar@ci.sunnyvale.ca.us		

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Section 2 - Provision C.2 Reporting Municipal Operations

Program Highlights and Evaluation

Highlight/summarize activities for reporting year:

Summary:

- City staff continued to implement Best Management Practices and Standard Operating Procedures to comply with the requirements of C.2.a, C.2.b, and C.2.c.
- The City's Wastewater Collection staff continued to test at Pump Stations twice per year during dry weather and after measurable precipitation and inspected Corp Yard storm drains twice during the year to comply with the C.2.d requirements for stormwater pump station monitoring and Corp Yard inspections.
- Provision C.2.e does not apply, as the City does not own or maintain roads that meet the definition of "Rural Roads" within its jurisdiction.
- The City continues to assess the fiscal feasibility of covering or berming the outdoor storage areas. However, funding continues to be unavailable. Funding allocation will be next evaluated in FY 12-13 as part of the bi-annual capital projects cycle. Currently, the drain inlet adjacent to the dry storage area is protected by a silt sack that is maintained or replaced regularly to provide the appropriate contaminant removal and to ensure that any runoff entering the inlet is free of debris from the storage bins.
- Corp Yard inspections were performed on July 22, 2011. Five (5) storm drain inlets (SDIs) were inspected for debris and cleaned prior to the rainy season. The SDI near the outdoor storage area containing sand, gravel, etc. for pavement maintenance was further protected using a silt sack as a screen to keep debris out of the SDI the when rainy season began.

Descriptions of activities implemented at the countywide and/or regional level related to Reporting Municipal Operations is included within the C.2 section of SCVURPPP's FY 2011-2012 Annual Report.

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

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

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

Comments:

City staff from the Department of Public Works and Environmental Services Department (ESD) receive training on appropriate BMPs to address potential stormwater impacts from street and road repair and maintenance activities at least once per year as part of their bi-monthly safety tailgate meetings.

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

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

<input checked="" type="checkbox"/>	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
<input checked="" type="checkbox"/>	Implementation of the BASMAA Mobile Surface Cleaner Program BMPs

Comments:

- Parks/Boulevard Landscaping staff use a “Tennant Scrubber” machine to clean sidewalks in the downtown business area. This machine collects wash water so that it can be discharged to the sanitary sewer.
- If a steam cleaner is needed on rare occasions for problem areas, staff follow BASMAA guidelines/BMPs for cleanup operations.
- When special events permit applications are received for approval, staff identifies any operations that would require cleanup operations of paved areas. In those instances, applicants are required to use a BASMAA Certified Mobile Surface Cleaner. Staff supplies the list that is available on the BASMAA website to its customers. Parks staff then follows-up to ensure proper BMPs were used during the cleanup. For example, during the Holi event held at Baylands Park in April 2012, storm drains were sealed off and the water was pumped to landscaping. Then, cleanup of the Park grounds is done by a BASMAA-certified company to assure that it is left as it was prior to the event.

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

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

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

Comments:

- Any graffiti removal operations (conducted by the Field Operations Division of the Department of Public Works) are done using BASMAA Guidelines/BMPs, eliminating any cleaning water from entering the storm drains.
- Employees in the Field Operations and Parks Divisions of the Department of Public Works receive annual general training on proper graffiti removal best management practices as part of annual stormwater pollution prevention and permit training topics.
- Proper disposal of wastes from graffiti removal activities occurred. Waste generated from structural maintenance such as the cleaning of pedestrian over-crossings was properly disposed of and protected from entering the storm drain collection system as per standard operating procedure and best management practices.

C.2.d. ► Stormwater Pump Stations						
Does your municipality own stormwater pump stations:			<input checked="" type="checkbox"/> X	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
If your answer is No then skip to C.2.e.						
Complete the following table for dry weather DO monitoring and inspection data for pump stations ¹ . 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		
Pump Station #1 – Carl Road	7/21/2011	6.0	8/11/2011	4.0		
Pump Station #2 – Baylands Park	7/21/2011	7.0	8/11/2011	5.0		
Summarize corrective actions as needed for DO monitoring at or below 3 mg/L. Attach inspection records of additional DO monitoring for corrective actions:						
Summary: Based upon DO monitoring results, no corrective actions were needed.						
Attachments: None needed.						
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)
Pump Station #1 – Carl Road	10/4/11	None	No	No	No	No
Pump Station #1 – Carl Road	2/16/12	0.25	No	No	Yes – Low	No
Pump Station #1 – Carl Road	3/15/12	None	No	Yes	No	No
Pump Station #2 – Baylands Park	10/4/11	None	No	No	No	No
Pump Station #2 – Baylands Park	11/4/11	.03	No	No	Yes – Low	No
Pump Station #2 – Baylands Park	2/16/12	.007	No	No	No	No
Pump Station #2 – Baylands Park	3/15/12	None	No	No	Yes – Low	No

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

C.2.e. ► Rural Public Works Construction and Maintenance	
Does your municipality own/maintain rural ² roads:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If your answer is No then skip to C.2.f.	
Place an X in the boxes next to implemented BMPs to indicate that these BMPs were implemented in applicable instances. If one or more of the BMPs were not adequately implemented during the reporting fiscal year then indicate so and explain in the comments section below:	
<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: Provisions C.2.e does not apply to the City, as it does not own or maintain roads that meet the definition of "Rural Roads" within its jurisdiction.	

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 current 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 type="checkbox"/>	Cover and/or berm outdoor storage areas containing waste pollutants		
Comments: Due to funding limitations, outdoor storage areas have not been covered or bermed. The City continues to assess the fiscal feasibility of covering or berming the outdoor storage areas. Funding allocation will be next evaluated in FY 12-13 as part of the bi-annual capital projects cycle. Currently, the drain inlet adjacent to the dry storage area is protected by a silt sack and additional screening that is maintained or replaced regularly to provide the appropriate contaminant removal and to ensure that any runoff entering the inlet is free of debris that might come from the storage bins.			
If you have a corporation yard(s) that is not an NOI facility , complete the following table for inspection results for your corporation yard(s) or attach a summary including the following information:			
Corporation Yard Name	Inspection Date (1x/year required)	Inspection Findings/Results	Follow-up Actions
City of Sunnyvale Corporation Yard	7/22/2011	Inspected by ESD Compliance Inspection. Potential discharges identified from outdoor material storage areas (discussed above), outdoor waste storage area, and outdoor equipment storage/maintenance areas. A warning notice was issued requiring clean out of a storm drain inlet, use of dry clean-up methods, improved housekeeping, and employee training.	Storm drain inlet was cleaned, dry sweeping was implemented, staff were trained on proper housekeeping and practices. Outdoor storage of materials remains a potential

			stormwater threat; however BMPs are being implemented to reduce potential pending long term solutions. Issues were corrected in a timely manner.
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Section 3 - Provision C.3 Reporting New Development and Redevelopment

C.3.b. ► Green Streets Status Report

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

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

Summary:

The C.3 New Development and Redevelopment section of SCVURPPP's FY 2011-2012 Annual Report includes a description of activities conducted at the countywide or regional level.

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

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

Refer to attached C.3.b.v.(1) Reporting Table.

C.3.iii(3) Low Impact Development Reporting

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

The City has modified local ordinances/policies/procedures and the C.3. Data Form to require all regulated projects approved after December 1, 2011 to implement LID source control, site design and stormwater treatment requirements. We are using the following SCVURPPP and BASMAA products to ensure LID implementation:

- LID Infeasibility/Feasibility Worksheets
- Biotreatment Soil Specifications
- Green Roof Specifications

Please see Table C.3.b.v. (1) for specific information on regulated projects approved during FY 2011-2012. Note that projects approved prior to December 1, 2011 were not required to fully implement the LID requirement in Provision C.3.c.i.

C.3.e.v. ► Alternative or In-Lieu Compliance with Provision C.3.c.		
(For FY 11-12 Annual Report only) Did your agency make any ordinance/legal authority and procedural changes to implement Provision C.3.e.?	<input checked="" type="checkbox"/> Yes.	<input type="checkbox"/> No
<p>If yes, attach a copy of the ordinance/legal authority changes or provide a link to the document(s). Discuss any procedural changes made.</p> <p>Sunnyvale Municipal Code 12.60.300 - Alternative Compliance, authorizes alternative compliance pursuant to C.3.e. Procedures outlined in the City of Sunnyvale Stormwater BMP Guidance Manual require the SWMP to contain discussion regarding the eligibility of alternative compliance infeasibility of LID and how alternative compliance will be achieved. If the project fails to provide any alternative compliance according to the approved schedule, it will be considered a violation of the Sunnyvale Municipal Code.</p> <p>The City has included the Special Project Criteria approved by the RWQCB into the City's BMP Guidance Manual, which is incorporated into Sunnyvale Municipal Code by reference. The Special Projects worksheet and LID treatment reduction credits are provided in Appendix H of the Guidance Manual. If these credits apply to a project, the project is required to complete the special project worksheet and submit as part of the Stormwater Management Plan.</p> <p>The City of Sunnyvale Stormwater BMP Guidance Manual can be found here: http://sunnyvale.ca.gov/Portals/0/Sunnyvale/CDD/Permits/Planning/Stormwater BMP GuidanceManual Dec 2011.pdf http://sunnyvale.ca.gov/Portals/0/Sunnyvale/CDD/Permits/Planning/Appendix B Maps Dec 2011.pdf</p> <p>Pertinent Sunnyvale Municipal Code Sections are copied below, and can be found here: http://qcode.us/codes/sunnyvale/</p> <p>12.60.220. Best management practices and CASQA Stormwater Best Management Practice Handbook incorporated. The BMP Guidance Manual and CASQA Stormwater Best Management Practice Handbook are incorporated by reference into this chapter. The authorized enforcement official may from time to time revise or add to such manual to comply with NPDES requirements and stay current with technology and best management practices.</p> <p>12.60.300. Alternative Compliance. A regulated project may be allowed to provide alternative or in-lieu compliance in accordance with one of the following two options:</p> <p>(a) A portion of the amount of runoff from a regulated project's drainage area required to be treated per SMC 12.60.150 may be treated with LID measures on site or with LID treatment measures at a joint stormwater treatment facility, and any remaining portion of the stormwater runoff treated with LID treatment measures at an off-site project in the same watershed. The offsite LID treatment measures must provide hydraulically sized treatment in accordance with SMC 12.60.150 of an equivalent quantity of both stormwater runoff and pollutant loading and achieve a net environmental benefit.</p> <p>(b) A portion of the amount of runoff from a regulated project's drainage area required to be treated per SMC 12.60.150 may be treated with LID treatment measures on site or with LID treatment measures at a joint stormwater treatment facility, and an equivalent amount of in-lieu fees paid to treat the remaining portion of the runoff with LID treatment measures at an off-site project. The off-site project must achieve a net environmental benefit.</p> <p>(c) For alternative compliance options described in subsections (a) and (b), off-site projects must be constructed by the end of the construction</p>		

<p>of the regulated project. If more time is needed to construct an off-site project, the off-site project must provide an additional ten percent of the calculated equivalent quantity of both stormwater runoff and pollutant loading for each additional year, up to three years.</p> <p>(d) Regional projects must be completed within three years after the end of construction of the regulated project. The timeline for completion of a regulated project may be extended for up to five years after completion of the regulated project with prior approval of the Executive Officer of the San Francisco Bay Regional Water Quality Control Board.</p>				
<p><i>(For FY 11-12 Annual Report and each Annual Report thereafter)</i> Is your agency choosing to require 100% LID treatment onsite for all Regulated Projects and not allow alternative compliance under Provision C.3.e.?</p>	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
<p>Comments (optional): The City reserves Alternative Compliance under Provision C.3.e. as an option under Sunnyvale Municipal Code section 12.60.300, however there have been no projects where the option has been implemented. All regulated, non-special projects have chosen to implement 100% LID treatment onsite. The City has received three projects (pending approval) that are proposing a reduction in LID requirements based on the Special Projects criteria in C.3.e.vi , and are discussed below.</p>				

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, 2012 report? If yes, include the project in both the C.3.b.v.(1) Table, and the C.3.e.vi. Table.		Yes	X No
If you answered "Yes" to either question, 1) Complete Table C.3.e.vi . below. 2) Attach narrative discussion of 100% LID Feasibility or Infeasibility for each project.			
► Special Projects Reporting Narrative – Projects listed in Table C.3.e.vi. below: 2012-7450, St. Anton Partners, 1101 N. Fair Oaks The project proposes 97 units located on a 2.5 acres site. The proposed structure will include at grade parking located under the building and a residential structure above up to 4 stories. The proposed project meets the Special Projects Criteria of Category "C" due to sitting next to VTA Light Rail and density. Based on the criteria, the project may include up to a 60% LID reduction. The proposed units require 167 parking spaces, which include parking under the proposed structure and at grade parking. The remaining landscape areas are proposed to be used for bio-filtration since the soils are poor with a Ksat rating of "D". The available open space areas cannot accommodate all the resulting runoff and thus a small amount of runoff (25%) will be treated with media filters and tree planting. The project applicant has been able to accommodate 75% of the stormwater through LID. 2012-7460, Prometheus, 388 E. Evelyn Ave. & 2012-7462, Prometheus, 457 E. Evelyn Ave. Both project sites are located in the Downtown Specific Plan area of the City and the area is a designated Priority Development Area by MTC. The proposed projects are proposed to build to the property lines with underground parking. The projects may include up to a 90% LID reduction based on the Special Project's criteria of category C, due to location, density, and no surface parking. The project is still in plan development, but the initial proposals include site drainage to two watershed areas for each site. The first catches runoff from the front side of the building and uses the front setback area for bio-treatment area for approximately 10% of the runoff due to poor soils and foundation issues. The remaining 90% of runoff is treated with a media filter treatment system.			

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

<p>(1) Fill in attached table C.3.h.iv.(1) or attach your own table including the same information. Refer to attached table C.3.h.iv(1)</p>
<p>(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> <p>Summary: All Post Construction Operation and Maintenance Verification Inspections are conducted by Environmental Compliance Inspectors, within the Environmental Services Department. Inspection findings indicate a continuance of the common problem with inspections of installed vault based treatment systems in that most facilities do not retain maintenance documentation onsite. This is consistent with last year's findings in that initial inspections are typically more educational to ensure that the facility operator is aware of the requirements, and to establish the required maintenance program including documented inspections and clean out. Routine inspections for facilities that had been previously inspected had enforcement taken for lack of maintenance documentation, and in most cases the documentation was provided within a reasonable timeframe.</p>
<p>(3) On an annual basis, provide a discussion of the effectiveness of the O&M Program and any proposed changes to improve the O&M Program (e.g., changes in prioritization plan or frequency of O&M inspections, other changes to improve effectiveness program).</p> <p>Summary: The prioritized inspection plan for routine inspection has not changed, and is as follows:</p> <ul style="list-style-type: none"> – Building Division inspectors performed inspections of newly installed stormwater treatment systems and HM controls within 45 days of installation to ensure approved plans have been followed, effective December 1, 2010. – Environmental Compliance Inspectors performed Operation and Maintenance Verification Inspections of installed stormwater treatment systems and HM controls. Each fiscal year, the City inspects at least 20% of the total number (at the end of the preceding fiscal year) of installed stormwater systems. – Each fiscal year, the City will inspect at least 20% of the total number (at the end of the preceding fiscal year) of installed vault based systems; and – All installed stormwater treatment systems will be inspected at least every 5 years. <p>Of the 53 installed devices, 44 are vault-based. During this fiscal year, the City performed post construction O&M verification inspections for 29 installed devices (54%) at 14 separate sites. Of the 44 installed vault-based systems, 24 of them (54%) were inspected during the reporting period. In addition, Building Safety Inspectors performed inspections of four newly installed stormwater treatment systems/devices. No problems were observed with the units inspected.</p>
<p>(4) During the reporting year, did your agency:</p>

<ul style="list-style-type: none"> Inspect all newly installed stormwater treatment systems and HM controls within 45 days of installation? 	X	Yes		No
<ul style="list-style-type: none"> Inspect at least 20 percent of the total number of installed stormwater treatment systems or HM controls? 	X	Yes		No
<ul style="list-style-type: none"> Inspect at least 20 percent of the total number of installed vault-based systems? 	X	Yes		No
<p>If you answered "No" to any of the questions above, please explain:</p>				

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 ⁹ , Street Address	Name of Developer	Project Phase No. ¹⁰	Project Type & Description ¹¹	Project Watershed ¹²	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft ²) ¹³	Total Replaced Impervious Surface Area (ft ²) ¹⁴	Total Pre- Project Impervious Surface Area ¹⁵ (ft ²)	Total Post- Project Impervious Surface Area ¹⁶ (ft ²)
Private Projects											
2011-7377	628 E Taylor Ave. @ N Fair Oaks Ave, Sunnyvale, CA 94085	City Ventures	1 of 1	Special Development Permit for 10 Townhouse Units	East Channel	0.45	0.45	0	13,915	19,600	13,915
2011-7495*	589 W Java Dr. @ N Mathilda Ave, Sunnyvale, CA 94089	Yahoo!	1 of 1	Special Development Permit for Yahoo! campus expansion to add a new, 6-story 315,000 ft ² office building, 24,000 ft ² special use amenities building and one parking structure.	West Channel	14.73	11.40	119,604	230,868	367,646	487,250
2011-7661	704 Town and Country Block C @ Francis Ave, Sunnyvale, CA 94086	Carmel Partners	1 of 1	Special Development Permit for New mixed use - multi-family development 85 apartments and 8,131 ft ² of retail and below grade parking.	East Channel	0.88	0.88	2,368	35,371	35,371	37,739
2011-7661	704 Town and Country Block D @ Francis Ave, Sunnyvale, CA 94086	Carmel Partners	1 of 1	Special Development Permit for New mixed use - multi-family development 48 apartments and below	East Channel	0.72	0.72	394	29,750	29,750	30,144

⁹ Include cross streets

¹⁰ 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".

¹¹ 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.

¹² State the watershed(s) in which the Regulated Project is located. Optional but recommended: Also state the downstream watershed(s).

¹³ All impervious surfaces added to any area of the site that was previously existing pervious surface.

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

¹⁵ For redevelopment projects, state the pre-project impervious surface area.

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

Permittee Name: City of Sunnyvale

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 ⁹ , Street Address	Name of Developer	Project Phase No. ¹⁰	Project Type & Description ¹¹	Project Watershed ¹²	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft ²) ¹³	Total Replaced Impervious Surface Area (ft ²) ¹⁴	Total Pre- Project Impervious Surface Area ¹⁵ (ft ²)	Total Post- Project Impervious Surface Area ¹⁶ (ft ²)
				grade parking.							
2011-7829	425 N Fairoaks Ave. @ E Taylor Ave, Sunnyvale, CA 94085	Sanjeev Acharya	1 of 1	Request for Rezoning to R-3/PD combining district, Special Development Permit and Vesting Tentative Map to allow 8 Townhouse units.	East Channel	0.40	0.38	5,457	6,095	6,095	11,552
2011-7657	580 N Mary Ave. @ Del Ray Ave, Sunnyvale, CA 94085	Peery-Arrillaga	1 of 1	Miscellaneous Plan Permit to Demolish existing post office building and construct a new 124,095 ft ² , 5-story office building resulting in approximately 55% FAR.	West Channel	5.18	5.18	0	170,870	192,224	170,870
2011-7758	495 E Java Dr. @ Crossman Ave, Sunnyvale, CA 94089	NETAPP / Brent Takahashi	Phase 1	Special Development Permit for Expansion of the NETAPP campus (site 1) utilizing the green building bonus to enable 76.4% FAR and a total of 1,496,971 ft ² previously approved buildings 5 and 6 will increase by 120,996 ft ² including a fifth story. A new 4-level parking garage is also proposed.	East Channel	45.8	9.7	91,648	260,653	284,666	352,301
2011-7658	307-309 N Pastoria Ave. @ Hermosa Ave, Sunnyvale, CA 94085	Peery-Arrillaga	1 of 1	Miscellaneous Plan Permit for New 71,715 ft ² , 3-story office building on a vacant site resulting in	West Channel	3.54	3.54	100,665	0	0	100,665

Permittee Name: City of Sunnyvale

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 ⁹ , Street Address	Name of Developer	Project Phase No. ¹⁰	Project Type & Description ¹¹	Project Watershed ¹²	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft ²) ¹³	Total Replaced Impervious Surface Area (ft ²) ¹⁴	Total Pre- Project Impervious Surface Area ¹⁵ (ft ²)	Total Post- Project Impervious Surface Area ¹⁶ (ft ²)
				approximately 45% FAR (using LEED green building bonus to achieve additional 10% FAR).							
2012-7170 (residential)	660 W El Camino Real @ Mathilda Ave, Sunnyvale, CA 94087	Summer Hill Homes, Katia Kamangar	1 of 1	Special Development Permit and Vesting Tentative Map for a mixed use project consisting of 103 residential townhouse units at the former Chevrolet site.	West Channel	6.35	6.35	0	181,645	276,606	181,645
2012-7170 (hotel)	660 W El Camino Real @ Mathilda Ave, Sunnyvale, CA 94087	Summer Hill Homes, Katia Kamangar	1 of 1	Special Development Permit and Vesting Tentative Map for a mixed use project consisting of a 145 room hotel at the former Chevrolet site.	West Channel	1.65	1.65	0	72,177	84,506	72,177
2011-7119	807 Eleventh Ave. @ Innovation Way, Sunnyvale, CA 94089	Jay Paul/ DES Architects	1 of 1	Major Moffett Park design review application for new 200,000 ft ² building (5th) at the Ariba campus (80% FAR). Includes modification to the development agreement. (Moffett Towers)	West Channel	5.29	5.29	8,556	187,506	187,506	196,062
2012-7070	505 N Mathilda Ave. @ W Maude Ave 94085	JP DiNapoli Companies	1 of 1	Rezone of multiple properties to MS(Industrial)-100% FAR and design review to allow redevelopment	West Channel	14	12.8	60,154	396,891	499,182	457,045

Permittee Name: City of Sunnyvale

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 ⁹ , Street Address	Name of Developer	Project Phase No. ¹⁰	Project Type & Description ¹¹	Project Watershed ¹²	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft ²) ¹³	Total Replaced Impervious Surface Area (ft ²) ¹⁴	Total Pre- Project Impervious Surface Area ¹⁵ (ft ²)	Total Post- Project Impervious Surface Area ¹⁶ (ft ²)
				with a 612,072 ft ² R&D campus, consisting of two six-story buildings, one four-story building, and a five-story parking garage							
2010-7672**	700 Timberpine Ave. @ Lawrence Expressway, Sunnyvale, CA 94086	Toll Brothers	1 of 1	Rezone and Use Permit to allow 51 new single-family homes in an R-0/PD Zoning District.	East Channel	10	10	243,583	0	0	243,583
2011-7296**	1060 Morse Ave. @ Toyama Dr, Sunnyvale, CA 94089	Classic Communities	1 of 1	Special Development Permit to allow 17 Townhome units	East Channel	.83	.83	0	25,234	33,489	25,234

Public Projects

There were no Regulated Public Projects during the Fiscal Year Reporting Period.

Comments:
 * 2011-7495, 589 W Java Dr. – The proposed project involves the redevelopment of a vacant site and partial configuration of an existing adjacent office campus. A portion of the parking area for the existing office campus will be reconfigured.
 ** Projects were erroneously reported last reporting period. They are included in this report to ensure complete reporting for FY 2011-2012.

C.3.b.v.(1) ► Regulated Projects Reporting Table (part 2) – Projects Approved During the Fiscal Year Reporting Period										
Project Name Project No.	Application Deemed Complete Date ¹⁷	Application Final Approval Date ¹⁷	Source Control Measures ¹⁸	Site Design Measures ¹⁹	Treatment Systems Approved ²⁰	Operation & Maintenance Responsibility Mechanism ²¹	Hydraulic Sizing Criteria ²²	Alternative Compliance Measures ^{23/24}	Alternative Certification ²⁵	HM Controls ^{26/27}
Private Projects										
2011-7377 628 E Taylor Ave	6/30/11	8/8/11	Beneficial landscaping; Maintenance	Disconnect downspouts; Micro- detention in landscape; Minimize change in runoff; Minimize impervious surfaces; Preserve open space	Biofilter; Infiltration swales; Media filter; Planter boxes	Conditions of Approval	C.3.d.i(1)(a) Volume Design	No	Yes	Project not located in HMP Inclusion area.
2011-7495 589 W Java Dr	9/2/11	10/10/11	Beneficial landscaping; Maintenance	Micro- detention in landscape; Minimize change in runoff hydrograph; Minimize land disturbance; Minimum-	Hydrodynamic device (in-line); Media filter; Porous Pavement; Bio- Retention	Conditions of Approval	C.3.d.i(1)(a) Volume Design	No	Pending Building Permit Submittal	Project not located in HMP Inclusion area.

¹⁷ For private projects, state project application deemed complete date and final discretionary approval date. If the project did not go through discretionary review, report the building permit issuance date.

¹⁸ List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.

¹⁹ List site design measures approved for the project. Examples include: minimize impervious surfaces; conserve natural areas, including existing trees or other vegetation, and soils; construct sidewalks, walkways, and/or patios with permeable surfaces, etc.

²⁰ 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.).

²¹ 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.

²² 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).

²³ 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.

²⁴ 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.

²⁵ Note whether a third party was used to certify the project design complies with Provision C.3.d.

²⁶ If HM control is not required, state why not.

²⁷ 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).

Permittee Name: City of Sunnyvale

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

Project Name Project No.	Application Deemed Complete Date ¹⁷	Application Final Approval Date ¹⁷	Source Control Measures ¹⁸	Site Design Measures ¹⁹	Treatment Systems Approved ²⁰	Operation & Maintenance Responsibility Mechanism ²¹	Hydraulic Sizing Criteria ²²	Alternative Compliance Measures ^{23/24}	Alternative Certification ²⁵	HM Controls ^{26/27}
				impact street or parking lot design; Minimize impervious surfaces						
2011-7661 704 Town and Country Block C	10/25/11	11/17/11	Swimming pool drain to sanitary sewer	N/A *	Planter Boxes and Media Filters	Conditions of Approval	C.3.d.i(2)(c) Flow Design	No	Yes	Project not located in HMP Inclusion area.
2011-7661 704 Town and Country Block D	10/25/11	11/17/11	Swimming pool drain to sanitary sewer	N/A *	Planter Boxes and Media Filters	Conditions of Approval	C.3.d.i(2)(c) Flow Design	No	Yes	Project not located in HMP Inclusion area.
2011-7829 425 N Fair Oaks Ave	2/1/12	4/24/12	Covered dumpster area, drain to sanitary sewer	Micro-detention landscape, self-retaining areas	Infiltration basin / trench	Conditions of Approval	Flow Design	No	Yes	Project not located in HMP Inclusion area.
2011-7657 580 N Mary Ave	12/19/11	2/7/12	Stormdrain labeling, Beneficial landscaping, drain for loading docks and maintenance bays, Covered dumpster area, Maintenance	Cluster Structures, Disconnect downspouts, Minimize impervious surface, Self-retaining area, Self-Treating area	Bioretention, Flow-through Planter	Conditions of Approval	C.3.d.i(2)(b) Flow Design C.3.d.i(1)(a) Volume Design	No	Yes	Project not located in HMP Inclusion area.
2011-7758 495 E Java Dr	11/18/11	2/29/12	Stormdrain labeling, Beneficial landscaping, Covered dumpster area,	Disconnect downspouts, Minimize change in runoff, Minimize	Bioretention	Conditions of Approval	C.3.d.i(2)(b) Flow Design	No	Yes	Project not located in HMP Inclusion area.

Permittee Name: City of Sunnyvale

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

Project Name Project No.	Application Deemed Complete Date ¹⁷	Application Final Approval Date ¹⁷	Source Control Measures ¹⁸	Site Design Measures ¹⁹	Treatment Systems Approved ²⁰	Operation & Maintenance Responsibility Mechanism ²¹	Hydraulic Sizing Criteria ²²	Alternative Compliance Measures ^{23/24}	Alternative Certification ²⁵	HM Controls ^{26/27}
			Maintenance	impervious surface, Self-retaining area, Self-Treating area						
2011-7658 307-309 N Pastoria Ave	12/28/11	4/3/12	Stormdrain labeling, Beneficial landscaping, Covers, drain for loading docks and maintenance bays, Covered dumpster area, Maintenance	Cluster Structures, Disconnect downspouts, Minimize impervious surface, Self-retaining area, Self-treating area	Bioretention, Flow-through Planter	Conditions of Approval	C.3.d.i(2)(b) Flow Design C.3.d.i(1)(a) Volume Design	No	Yes	Project not located in HMP Inclusion area.
2012-7170 660 W El Camino Real (residential)	4/4/12	5/14/12	Storm drain labeling, beneficial landscaping, covered dumpster area, maintenance	Cluster Structures, disconnect downspouts, micro-detention basins, minimize impervious surfaces	Bioretention, flow through planter box	Conditions of Approval	C.3.d.i(2)(b) Flow design	No	Pending Building Permit Submittal	Project not located in HMP Inclusion area.
2012-7170 660 W El Camino Real (hotel)	4/4/12	5/14/12	Storm drain labeling, beneficial landscaping, covered dumpster area, maintenance	Cluster Structures, disconnect downspouts, micro-detention basins, minimize impervious surfaces	Bi-retention	Conditions of Approval	C.3.d.i(2)(b) Flow design	No	Pending Building Permit Submittal	Project not located in HMP Inclusion area.
2011-7119	8/30/11	9/12/11	Beneficial	Disconnect	Detention (to	Conditions of	N/A	No	Yes	Project not

Permittee Name: City of Sunnyvale

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

Project Name Project No.	Application Deemed Complete Date ¹⁷	Application Final Approval Date ¹⁷	Source Control Measures ¹⁸	Site Design Measures ¹⁹	Treatment Systems Approved ²⁰	Operation & Maintenance Responsibility Mechanism ²¹	Hydraulic Sizing Criteria ²²	Alternative Compliance Measures ^{23/24}	Alternative Certification ²⁵	HM Controls ^{26/27}
807 Eleventh Ave			landscaping, Covered dumpster area, Maintenance, Outdoor material storage	downspouts, Micro-Detention, Minimize change in runoff, Minimize land disturbance, Minimum-impact street or parking lot design, Minimize impervious surfaces	Lockheed facility)	Approval				located in HMP Inclusion area.
2011-7672** 700 Timberpine Ave	6/15/11	7/25/11	Beneficial landscaping	Disconnect downspouts; Minimize change in run-off; Minimize impervious surface	Biofilter	Conditions of Approval	C.3.d.i(2)(c) Flow Design	No	Yes	Project not located in HMP Inclusion area.
2011-7296** 1060 Morse Ave	7/1/2011	7/25/2011	Covered dumpster area, drain to sanitary sewer	Disconnect downspouts; Minimize impervious surfaces	Biofilter; Other: Up-flow filter	Conditions of Approval	C.3.d.i(2)(b) Flow Design C.3.d.i(1)(a) Volume Design	No	Yes	Project not located in HMP Inclusion area.

Comments:

* Projects noted N/A were downtown projects that started before the required changes came in affect.

**Projects were erroneously reported last reporting period. They are included in this report to ensure complete reporting for FY 2011-2012.

Permittee Name: City of Sunnyvale

C.3.b.v.(1) ► Regulated Projects Reporting Table (part 2) – Projects Approved During the Fiscal Year Reporting Period										
Project Name Project No.	Approval Date ²⁸	Date Construction Scheduled to Begin	Source Control Measures ²⁹	Site Design Measures ³⁰	Treatment Systems Approved ³¹	Operation & Maintenance Responsibility Mechanism ³²	Hydraulic Sizing Criteria ³³	Alternative Compliance Measures ^{34/35}	Alternative Certification ³⁶	HM Controls ^{37/38}
Public Projects										
There were no Regulated Public Projects during the Fiscal Year Reporting Period.										
Comments:										

²⁸ For public projects, enter the plans and specifications approval date.

²⁹ List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.

³⁰ List site design measures approved for the project. Examples include: minimize impervious surfaces; conserve natural areas, including existing trees or other vegetation, and soils; construct sidewalks, walkways, and/or patios with permeable surfaces, etc.

³¹ 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.).

³² 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.

³³ 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).

³⁴ 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.

³⁵ 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.

³⁶ Note whether a third party was used to certify the project design complies with Provision C.3.d.

³⁷ If HM control is not required, state why not.

³⁸ If HM control is required, state control method used (e.g., method to design and size device(s) or method(s) used to meet the HM Standard, and description of device(s) or method(s) used, such as detention basin(s), bioretention unit(s), regional detention basin, or in-stream control).

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

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

Name of Facility/Site Inspected	Address of Facility/Site Inspected	Newly Installed? (YES/NO) ³⁹	Party Responsible ⁴⁰ For Maintenance	Date of Inspection	Type of Inspection ⁴¹	Type of Treatment/HM Control(s) Inspected ⁴²	Inspection Findings or Results ⁴³	Enforcement Action Taken ⁴⁴	Comments/Follow-up
Menrock Almanor	525 Almanor Ave, Sunnyvale, CA 94085	No	Menlo Equities Property Management	6/4/2012	Routine	Vegetated Swale	No Visible/Apparent Problems	None	No comments
Menrock Almanor	525 Almanor Ave, Sunnyvale, CA 94085	No	Menlo Equities Property Management	6/4/2012	Routine	Hydrodynamic Separators	No Visible/Apparent Problems	None	Maintenance records provided for 3 HDS units total
Cherry Glen Plaza	398 W El Camino Real, Sunnyvale, CA 94087	No	Storm Water Inspection and Maintenance Services, Inc.	6/6/2012	Routine	Vegetated Swale	No Visible/Apparent Problems	None	No comments
Cherry Glen Plaza	398 W El Camino Real, Sunnyvale, CA 94087	No	Storm Water Inspection and Maintenance Services, Inc.	6/6/2012	Routine	Hydrodynamic Separators	No Visible/Apparent Problems	None	Maintenance records provided for one HDS unit
Verizon Wireless MTSO	411 N Pastoria Ave, Sunnyvale, CA 94085	No	Verizon Wireless	6/19/2012	Routine	Vegetated Swale	Invasive/Nuisance Vegetation or Weeds	None	Recommended removing nuisance weeds
Verizon Wireless MTSO	411 N Pastoria Ave, Sunnyvale, CA 94085	No	Verizon Wireless	6/19/2012	Routine	Vortex Separator	No Visible/Apparent Problems	Verbal Notice	Maintenance documentation required for one Vortex unit. Follow-up enforcement required to obtain records.
Classics at Sunnyvale Manor	1462 Yukon Dr, Sunnyvale, CA 94087	No	Sunnyvale Manor Home owners Association	6/1/2012	Routine	Hydrodynamic Separators	Other	Notice of Violation	Notice of Violation issued for repeated lack of O&M Program on one HDS unit. Follow-up enforcement required to obtain records.

³⁹ Indicate "YES" if the facility was installed within the reporting period, or "NO" if installed during a previous fiscal year.

⁴⁰ State the responsible operator for installed stormwater treatment systems and HM controls.

⁴¹ State the type of inspection (e.g., 45-day, routine or scheduled, follow-up, etc.).

⁴² 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.

⁴³ State the inspection findings or results (e.g., proper installation, improper installation, proper O&M, immediate maintenance needed, etc.).

⁴⁴ State the enforcement action(s) taken, if any, as appropriate and consistent with your municipality's Enforcement Response Plan.

Permittee Name: City of Sunnyvale

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

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

Name of Facility/Site Inspected	Address of Facility/Site Inspected	Newly Installed? (YES/NO) ³⁹	Party Responsible ⁴⁰ For Maintenance	Date of Inspection	Type of Inspection ⁴¹	Type of Treatment/HM Control(s) Inspected ⁴²	Inspection Findings or Results ⁴³	Enforcement Action Taken ⁴⁴	Comments/Follow-up
									Initial O&M activities have been completed and a schedule has been established.
Classics at Sunnyvale Manor	1462 Yukon Dr, Sunnyvale, CA 94087	No	Sunnyvale Manor Home owners Association	6/1/2012	Routine	Infiltration Basin	No Visible/Apparent Problems	None	Inspected and cleaned, well maintained.
Classics at Las Palmas Park	707 Mathilda Ave, Sunnyvale, CA 94087	No	Lilac Management Group, property management	6/7/2012	Routine	Vegetated Swale	No Visible/Apparent Problems	None	No comments
Classics at Las Palmas Park	707 Mathilda Ave, Sunnyvale, CA 94087	No	Lilac Management Group, property management	6/7/2012	Routine	Hydrodynamic Separators	Other	Warning Notice	Four HDS units total. Warning notice issued for lack of O&M program, new management. Follow-up enforcement required to obtain records. Maintenance has been performed and a schedule has been established.
Fair Oaks Plaza / Sunnyvale Affordable Housing	680 S Fair Oaks Ave, Sunnyvale, CA 94086	Yes	Mid Peninsula Fair Oaks Plaza Property Management	4/25/2012	Routine	Vegetated Swale	No Visible/Apparent Problems	None	No comments
Fair Oaks Plaza / Sunnyvale Affordable Housing	680 S Fair Oaks Ave, Sunnyvale, CA 94086	No	Mid Peninsula Fair Oaks Plaza Property Management	4/25/2012	Routine	Hydrodynamic Separators	No Visible/Apparent Problems	None	Maintenance records provided for one CDS unit
Trinity Park	805 W Fremont Ave, Sunnyvale, CA 94087	No	Proform Group	5/30/2012	Routine	Vegetated Buffer Strip	No Visible/Apparent Problems	None	No comments
Trinity Park	805 W Fremont Ave, Sunnyvale, CA 94087	No	Proform Group	5/30/2012	Routine	Porous Pavement	No Visible/Apparent Problems	None	No comments

Permittee Name: City of Sunnyvale

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

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

Name of Facility/Site Inspected	Address of Facility/Site Inspected	Newly Installed? (YES/NO) ³⁹	Party Responsible ⁴⁰ For Maintenance	Date of Inspection	Type of Inspection ⁴¹	Type of Treatment/HM Control(s) Inspected ⁴²	Inspection Findings or Results ⁴³	Enforcement Action Taken ⁴⁴	Comments/Follow-up
Trinity Park	805 W Fremont Ave, Sunnyvale, CA 94087	No	Proform Group	5/30/2012	Routine	Hydrodynamic Separators	No Visible/Apparent Problems	None	Maintenance documentation provided for one CDS unit.
Bordeaux Center	1376 and 1380 Bordeaux Dr, Sunnyvale, CA 94089	No	CB Richard Ellis Real Estate	6/1/2012	Routine	Hydrodynamic Separators	No Visible/Apparent Problems	None	Maintenance documentation provided for one CDS unit.
Java Metro Center	111 Java Dr, Sunnyvale, CA 94089	No	Exterra	6/6/2012	Routine	Hydrodynamic Separators	No Visible/Apparent Problems	None	Maintenance documentation provided for one CDS unit.
Java Metro Center	111 Java Dr, Sunnyvale, CA 94089	No	Exterra	6/6/2012	Routine	Vegetated Swale	No Visible/Apparent Problems	None	No comments
Aster Place	1156 Aster Ave, Sunnyvale, CA 94086	No	HOA Professional Association Services, Inc.	6/21/2012	Routine	Hydrodynamic Separators	Trash/Debris Accumulation or Dumping, and Sediment Accumulation	Verbal notice	Maintenance and documentation required. Follow-up documentation was provided.
Lowe's Sunnyvale	811 E Arques Ave, Sunnyvale, CA 94085	No	Front Range Environmental	6/13/2012	Routine	Vegetated Buffer Strip	Poor Vegetation Coverage	Verbal Notice	Maintenance and documentation required. Follow-up documentation was provided.
Lowe's Sunnyvale	811 E Arques Ave, Sunnyvale, CA 94085	No	Front Range Environmental	6/13/2012	Routine	Wet Vault	Sediment Accumulation	Verbal Notice	Required reseeding of grass-crete. Follow-up indicated compliance.
Super Space Self Storage of Sunnyvale	875 E Arques Ave, Sunnyvale, CA 94085	No	Super Space Self Storage	6/12/2012	Routine	Hydrodynamic Separators	No Visible/Apparent Problems	None	Maintenance and documentation provided for two CDS units
Intuitive Surgical Building 103	1250 Kifer Rd, Sunnyvale, CA 94086	No	Intuitive Surgical	3/22/2012	Routine	Hydrodynamic Separators	No Visible/Apparent Problems	None	Maintenance and documentation provided for two CDS units
615 (605) Tasman Dr	615 Tasman Dr, Sunnyvale, CA 94089	Yes	Essex Property Trust	6/27/2012	Routine	Media Filter	Trash/Debris Accumulation or Dumping, Sediment	Verbal Notice	Required maintenance and documentation for two of three vaults. Follow-

Permittee Name: City of Sunnyvale

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

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

Name of Facility/Site Inspected	Address of Facility/Site Inspected	Newly Installed? (YES/NO) ³⁹	Party Responsible ⁴⁰ For Maintenance	Date of Inspection	Type of Inspection ⁴¹	Type of Treatment/HM Control(s) Inspected ⁴²	Inspection Findings or Results ⁴³	Enforcement Action Taken ⁴⁴	Comments/Follow-up
							Accumulation, Standing Water		up documentation provided.
Fair Oaks Plaza / Sunnyvale Affordable Housing	680 S Fair Oaks Ave, Sunnyvale, CA 94086	Yes	Mid Peninsula Fair Oaks Plaza Property Management	7/15/11	45 Day	Planter Box	Proper Installation	None	None
Fair Oaks Plaza / Sunnyvale Affordable Housing	680 S. Fair Oaks Ave, Sunnyvale, CA 94086	Yes	Mid Peninsula Fair Oaks Plaza Property Management	8/4/11	45 Day	Swale	Proper Installation	None	None
615 (605) Tasman Dr	605 Tasman Dr, Sunnyvale, CA 94089	Yes	Essex Property Trust	8/21/11	45 Day	Media Filter (3), Permeable Paving, Planter Box, Swale	Proper Installation	None	None
Classics Communities	105 Topaz Terrace / 1170 Morse Ave, Sunnyvale, CA 94089	Yes	Scott Ward - Classic Communities	3/22/12	45 Day	Hydrodynamic Separator and Swale	Proper Installation	None	Hydrodynamic Separator installed and inspected prior to reporting requirements

C.3.e.vi.Special Projects Reporting Table												
Reporting Period – December 1, 2011 – June 30, 2012												
Project Name & No.	Permittee	Address	Application Submittal Date ⁴⁵	Status ⁴⁶	Description ⁴⁷	Site Total Acreage	Density DU/Acre	Density FAR	Special Project Category ⁴⁸	LID Treatment Reduction Credit Available ⁴⁹	List of LID Stormwater Treatment Systems ⁵⁰	List of Non-LID Stormwater Treatment Systems ⁵¹
2012-7450	St. Anton Partners	1101 N Fair Oaks	6/6/12	Pending approval	Special Development Permit for a new 97 residential unit project and rezone to R4 and green building density bonus.	2.5	Pending Review 38.6 du/acre	1.17	Category C: Location: ½ Mile Density: 38 d/a Parking: Non-auto related	Category C: Location: 50% Density: 10% Parking: 0%	Bioretention areas 75%	Media Filter 25%
2012-7460	Prometheus	388 E Evelyn Ave	6/13/12	Pending Approval	General Plan Amendment, Rezone and Special Development Permit for a new 64 residential unit project.	.807	Pending Review 65 du/acre	Pending Review	Category C: Location:1/4 Mile Density: 65 d/a Parking: No surface	Category C: Location: 50% Density: 20% Parking: 20%	Bioretention areas 10%	Media Filter 90%
2012-7462	Prometheus	457 E Evelyn Ave	6/13/12	Pending Approval	General Plan Amendment, Rezone and Special Development Permit for a new 151 residential unit project.	2.12	Pending Review 66 du/acre	Pending Review	Category C: Location:1/4 Mile Density: 66 d/a Parking: No surface	Category C: Location: 50% Density: 20% Parking: 20%	Bioretention areas 10%	Media Filter 90%

⁴⁵ Date that a planning application for the Special Project was submitted. If a planning application has not been submitted, include a projected application date.

⁴⁶ 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.

⁴⁷ Type of project (commercial, mixed-use, residential), number of floors, number of units, type of parking, and other relevant information.

⁴⁸ For each applicable Special Project Category, list the specific criteria applied to determine applicability. For each non-applicable Special Project Category, indicate n/a.

⁴⁹ For each applicable Special Project Category, state the maximum total LID Treatment Reduction Credit available. For Category C Special Projects also list the individual Location, Density, and Minimized Surface Parking Credits available.

⁵⁰ 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.

⁵¹ List all non-LID stormwater treatment systems proposed. For each type of non-LID treatment system, indicate: (1) the percentage of the total amount of runoff identified in Provision C.3.d. for the Special Project's drainage area, and (2) whether the treatment system either meets minimum design criteria published by a government agency or received certification issued by a government agency, and reference the applicable criteria or certification.

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

Program Highlights

Provide background information, highlights, trends, etc.

The City completed 722 IND / COM inspections during the reporting period and issued a total of 113 enforcement actions including 80 verbal warnings, 31 warning notices, and two notices of violation. The City initially assigned 593 facilities for inspections in FY 2011-2012 and completed 722 inspections for 645 facilities, which included new food service facilities discovered by inspectors in the field. Table C.4.c.iii(1) provides summary information on the City's IND inspection program including total number of facilities inspected, total number of violations issued (not including verbal warnings), and percent of violations resolved within 10 businesses days (or otherwise timely manner). The City inspected 26.4% more facilities in FY 2011-2012 compared to the previous year. Inspectors found and documented 21 actual discharge violations and 12 potential discharge violations. The City improved its rate of correcting all identified violations within 10 business days or in an otherwise timely manner to 100% from 85% the previous reporting period.

The City actively participated in SCVURPPP's Industrial and Commercial Ad Hoc Task Group (IND AHTG) on multiple projects. The IND AHTG developed a brochure titled "Best Management Practices for Mobile Businesses," which the City will utilize in the field when responding to reports of illegal dumping from these sources, or inspecting these types of businesses. Additionally, the IND AHTG planned and held a countywide inspector training workshop which included training on Industrial and Commercial Stormwater requirements and inspection techniques. City staff participated as Chair and Secretary of the Bay Area Pollution Prevention Group (BAPPG) for the reporting period. City staff also actively participated in the BASMAA Municipal Operations Committee and contributed to regional activities related to the implementation of the Regional Permit requirements related to Industrial and Commercial Site Controls. See the C.4 Industrial and Commercial Site Controls section of the SCVURPPP's FY 2011-2012 Annual Report for a description of the activities of the IND/IDDE AHTG and the BASMAA Municipal Operations Committee.

The City actively participated with the IND AHTG to develop the Inspector Training Workshop to cover IND and IDDE issues, requirements, and techniques. Sunnyvale inspectors provided all of the case scenarios used for training and discussion at the workshop. All field inspectors attended the training held on May 23, 2012. One inspector attended the Annual P3S Conference in Long Beach, February 2012, and attended several stormwater sessions. The City will continue to train its staff in FY 2012-2013 and will work with SCVURPPP and BASMAA on pertinent regional inspector training.

C.4.b.i. ► Business Inspection Plan

Do you have a Business Inspection Plan? Yes No

If No, explain:

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.

The Commercial Database maintains the list of facilities in our Inspection Plan. There are a total of 753 facilities subject to commercial/industrial stormwater inspection in the City. The Potential Facilities List is included as Appendix 4-1.

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.
 There are 534 facilities scheduled for inspection in FY 2012-2013. The Facilities Scheduled for Inspection list is included as Appendix 4-2.

C.4.c.iii.(1) ► Facility Inspections

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

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

	Number	Percent
Number of businesses inspected	645	
Total number of inspections conducted	722	
Number of violations (excluding verbal warnings)	33	
Sites inspected in violation	30	4.6%
Violations resolved within 10 working days or otherwise deemed resolved in a longer but still timely manner	33	100%

Comments:

- The number of sites inspected in violation is reported as those facilities where an actual or potential violation was observed, and an enforcement action was taken other than a verbal warning.
- There were two facilities where the violations were not corrected within 10 business days, but were deemed resolved in a timely manner. One facility requested an extension of 30 days due to lack of resources and completed the corrections within 19 days. The facility took intermediate steps to prevent actual discharges until the issue was resolved with additional capital and staff time. The second facility had multiple discrete violations. They needed to order a new garbage bin, perform equipment clean up, and to complete significant surface cleaning operations. Multiple inspections were conducted noting incremental progress at each inspection, with a final abatement date occurring 14 business days from the original violation.

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)	21
Potential discharge and other	12
Comments: Discharge streams are counted as one discharge per inspection per site.	

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

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

	Enforcement Action (as listed in ERP) ⁴⁶	Number of Enforcement Actions Taken	% of Enforcement Actions Taken ⁴⁷
Level 1	Verbal Notice or Warning Notice and Distribution of Educational Material - Minor enforcement action needed	80	70.8%
Level 2	Warning Notice or Notice of Violation – Moderate violation enforcement action	33	29.2%
Level 3	Notice of Violation with Compliance Meeting – Severe Violation Enforcement Action	0	0
Level 4	Administrative Order/Administrative Penalties issued with City Attorney involvement – Severe Violation	0	0
Total		113	100%

⁴⁶ Agencies to list specific enforcement actions as defined in their ERPs.

⁴⁷ 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 Category⁴⁸	Number of Actual Discharge Violations	Number of Potential/Other Discharge Violations
Vehicle mechanical repair, maintenance, fueling, or cleaning	3	5
Building Materials	1	1
Building Trades / Yards	0	1
Vehicle Salvage Yards	0	0
Plastic manufacturers	0	0
Food Service	12	3
Dry Cleaners	0	0
Facilities subject to the State Industrial General Permit	0	0
Other	5	2
Metal and other recycled materials collection facilities; waste transfer facilities	0	0
Nurseries and greenhouses	0	0

C.4.c.iii.(4) ► Non-Filers

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

There were no industries identified as non-filers.

⁴⁸ List your Program's standard business categories.

C.4.d.iii ► Staff Training Summary				
Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance	Percent of Inspectors in Attendance
IND/IDDE Training Roundtable	May 23, 2012	Regulatory Overview, Inspecting for Trash, Tips for Nurdles Inspections, Inspection Scenarios, BMPs for Mobile Wash and Detail Businesses	7	100%
P3S – EPA/ California Stormwater Updates, Permitting and Enforcement	February 28, 2012	State Board Stormwater Updates, Permitting and Enforcement, EPA Stormwater Permitting Update, Municipal Stormwater Compliance Activities	1	14%
P3S – Stormwater Treatment 101	February 29, 2012	Program Effectiveness Training, BMP Training, TMDL Training, Metal Recycling Permit Training	1	14%

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

Program Highlights

Provide background information, highlights, trends, etc.

- City staff participated in SCVURPPP's IND/IDDE Ad Hoc Task Group (AHTG).
 - See the C.5 Illicit Discharge Detection and Elimination section of SCVURPPP's FY 2011-2012 Annual Report for a description of activities of the IND/IDDE AHTG and the BASMAA Municipal Operations Committee.
- City staff inspected a total of 27 stormwater outfalls as part of the collection system screening program, no illicit discharges were noted.

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
Complaint and Spill Response Phone Number and Spill Contact List		
Contact Telephone Numbers for IDDE Program		
City of Sunnyvale:		
EMERGENCY	911 or (408) 736-6244	
Environmental Services Department – Compliance Inspectors (M-F, 7 AM – 4PM)	(408) 730-7270 or (408) 730-7260 Fax (408) 747-1139	
Public Safety Dispatch (Non-Emergency) (24-hour number)	(408) 730-7181	
Environmental Services Department – Wastewater Collections (storm and sanitary sewer)	24-hour number (408) 730-7510	
Wastewater Collections Manager (cell phone)	(408) 334-4965	
Superintendent of Field Services (cell)	(408) 655-8320	
Community Development (Building Safety Inspectors) (M- F, 8 AM – 5 PM)	(408) 730-7444	
Other Important Numbers:		

Permittee Name: City of Sunnyvale

Office of Emergency Services (State) OES State Warning Center will notify EPA, Fish and Game	1-800-852-7550 or alternate (916) 427-4341
Regional Water Quality Control Board (Spill Hotline number) Courtesy Call: Sue Ma	(510) 622-2369 (510) 622-2386
Coast Guard (24 hour)	(415) 399-3530
Santa Clara County HHW Program & Department of Env. Health	(408) 918-3400
Santa Clara Valley Water District Maintenance Division – reporting or assistance requests	(408) 265-2607 x2378
City of Santa Clara – Sewer/Water Emergency	(408) 615-5640 or 615-2062

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

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

Description:
 The City currently addresses mobile businesses by responding to any complaints or observations of illicit discharges on an as-needed basis. In addition, the City has a practice of recommending certified Mobile Surface Cleaners. The City requires the same BMPs as recommended by the BASMAA Mobile Surface Cleaners Program, which reduce the discharge of pollutants from mobile businesses and includes minimum standards and BMPs for specific types of mobile businesses. The City utilizes the IDDE Response Plan in conjunction with its Stormwater Enforcement Response Plan to implement consistent enforcement for mobile businesses.
 City staff (i.e., Facilities Management and Parks) is aware of the need to hire certified Mobile Surface Cleaners or to have staff take the training to become certified under the BASMAA programs. Parks staff that operates the Tennant Scrubber to clean downtown business district streets is aware of the BASMAA BMPs and follow them for their sidewalk cleaning activities. See responses to provision C.2.b of this report.
 The City participated in the IND/COM AHTG and assisted in developing a guidance brochure on minimum standards and BMPs for Mobile Businesses, which were presented at the May 23, 2012 training event. The City will utilize the brochure in the field when responding to IDDE complaints and when inspecting mobile businesses.
 For additional information, see the C.5 Illicit Discharge Detection and Elimination section of SCVURPPP's FY 2011-2012 Annual Report for a description of efforts by the IND/IDDE AHTG and the BASMAA Municipal Operations Committee to address mobile businesses.

Permittee Name: City of Sunnyvale

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 follows the guidance provided by the USEPA/Center for Watershed Protection by conducting inspections of all storm drain inlets on an annual basis and conducting a survey of key outfalls (approximately one screening point per square mile, less open space). The outfalls selected include key major outfalls draining industrial areas.

The Wastewater Collections Section inspects and/or cleans as necessary all storm drain inlets within the City's jurisdiction on an annual basis. Field staff is trained to notify Compliance Inspection staff if they observe an illicit discharge entering the storm drain or if illicit materials are observed during inspection and cleaning activities. These are reported as IDDE incidents and follow up occurs per the City's enforcement response plan.

Annual outfall inspections are conducted by Compliance Inspection and Wastewater Collections staff during the dry season (at least 3 weeks since the previous measurable rainfall, typically in August) of a subset of the City's 97 outfalls in the Sunnyvale East, West, and El Camino Channels, and Calabazas and Stevens Creeks. A copy of the outfall inspection results is included in Appendix 5-1 for FY 2011-2012. A total of 27 outfalls were inspected, and no illicit discharges were noted.

In FY 2011-2012, the storm drain inlet inspection form underwent revision to include a check box for illicit discharge observation. Wastewater Collections staff received training in July 2011 on what to look for, how to fill out the forms, and who should be notified if they observe illicit discharges. Compliance Inspection staff, with assistance from the Wastewater Collections staff will identify and inspect a subset of the outfalls into local waterways, including key outfalls inspected the previous year and adding some new ones in areas that had not been inspected previously.

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))	23	
Discharges reaching storm drains and/or receiving waters (C.5.f.iii.(2))	12	60%
Discharges resolved in a timely manner (C.5.f.iii.(3))	20	100%

Comments:

The City tracks all complaints as individual cases. The 23 discharges reported represent the number of complaints received in FY 2011-2012. If a discharge cannot be corroborated in the field, the "discharge type" is identified as "none" in our database and for reporting. The City defines "Actual" discharges reaching storm drains and/or receiving waters to include all flows that enter the stormwater conveyance system, (which includes drainage systems, gutters, ditches, etc.) in addition to catch basins, storm drains, and receiving waters. If a discharge is prevented from reaching storm drains / receiving waters, the City tracks these as "potential" discharges. Sunnyvale Municipal Code prohibits potential discharges, and enforces potential discharges as violations according to the Enforcement Response Plan. The City's Commercial Database tracks all complaints, findings, enforcement, and reporting requirements.

One of the discharges reported above as resolved in a timely manner was greater than 10 days. The discharge was immediately prevented from entering a storm drain; however the complete clean up required replacement of damaged asphalt and identification of the appropriate responsible party. The final abatement date was 32 days after the initial violation.

Of the 23 discharges reported, three could not be found upon field inspection. Of the remaining 20 discharges reported, 12 actual and 8 potential

discharge violations were identified. One actual discharge was identified as an allowable discharge, and 100% were resolved in a timely manner.

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

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

Category Name	Total Number of Complaints
Accidental Spills	2
Allowable Discharge	1
Equipment Cleaning	1
Landscaping Material	1
Material Storage	1
Oil and Grease	3
Pools/Spas/Fountains	1
Sanitary Spill	1
Saw Cutting Slurry	2
Surface Cleaning	2
Un-Hardened Concrete	1
Vehicle and Equipment Leaking	2
Vehicle Washing	1
Water Line Breaks	1

Section 6 – Provision C.6 Construction Site Controls

C.6.e.iii.1.a, b, c ▶ Site/Inspection Totals		
Number of sites disturbing < 1 acre of soil requiring storm water runoff quality inspection (i.e. High Priority) (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 (C.6.e.iii.1.c)
Private Projects		
0	19	152
Public Projects		
0	2	32
Comments: <u>Private Projects:</u> An additional 28 construction sites were inspected and 32 inspections completed for sites less than one acre. <u>Public Projects:</u> An additional 12 inspections were completed for sites less than one acre.		

C.6.e.iii.1.d ▶ Construction Activities Storm Water Violations		
BMP Category (Private Projects)	Number of Violations⁴⁹	% of Total Violations⁵⁰
Erosion Control	5	10%
Run-on and Run-off Control	4	8%
Sediment Control	20	40%
Active Treatment Systems	0	0%
Good Site Management	19	38%
Non Stormwater Management	2	4%
Total	50	100%
BMP Category (Public Projects)	Number of Violations⁵¹	% of Total Violations⁵²
Erosion Control	0	0
Run-on and Run-off Control	1	5%
Sediment Control	8	42%
Active Treatment Systems	0	0%
Good Site Management	7	37%
Non Stormwater Management	3	16%
Total	19	100%
Comments: Private: There were 35 total enforcement actions issued for the 50 observed problems indicated above. Public: There were 11 total enforcement actions issued for the 19 observed problems indicated above.		

⁴⁹ Count one violation in a category for each site and inspection regardless of how many violations/problems occurred in the BMP category.

⁵⁰ Percentage calculated as number of violations in each category divided by total number of violations in all six categories.

⁵¹ Count one violation in a category for each site and inspection regardless of how many violations/problems occurred in the BMP category.

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

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

	Enforcement Action (Private Projects) (as listed in ERP) ⁵³	Number Enforcement Actions Taken	% Enforcement Actions Taken⁵⁴
Level 1	Notice of Correction	34	97%
Level 2	Notice of Violation	1	3%
Level 3	Stop Work Notice	0	0%
Level 4	Administrative Actions	0	0%
Total		35	100%
	Enforcement Action (Public Projects) (as listed in ERP) ⁵⁵	Number Enforcement Actions Taken	% Enforcement Actions Taken⁵⁶
Level 1	Notice of Correction	10	91%
Level 2	Notice of Violation	1	9%
Level 3	Stop Work Notice	0	0%
Level 4	Administrative Actions	0	0%
Total		11	100%

C.6.e.iii.1.f, g ► Illicit Discharges

Private Projects	Number
Number of illicit discharges, actual and those inferred through evidence (C.6.e.iii.1.f)	1
Number of sites with discharges, actual and those inferred through evidence (C.6.e.iii.1.g)	0
Public Projects	Number
Number of illicit discharges, actual and those inferred through evidence (C.6.e.iii.1.f)	0
Number of sites with discharges, actual and those inferred through evidence (C.6.e.iii.1.g)	0

⁵³ Agencies should list the specific enforcement actions as defined in their ERPs.

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

⁵⁵ Agencies should list the specific enforcement actions as defined in their ERPs.

⁵⁶ Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.

C.6.e.iii.1.h, i ► Violation Correction Times		
Private Projects	Number	Percent
Violations 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	94% ⁵⁷
Violations not fully corrected within 30 days after violations are discovered (C.6.e.iii.1.i)	1	3% ⁵⁸
Total number of violations for the reporting year⁵⁹	34	100%
Comments: One violation was not fully corrected within 10 business days and received an escalated enforcement action (Notice of Violation). The violation was fixed after the second, level 2, enforcement action twelve days after it was first noted. One violation took over 30 days because there was no responsible party (i.e. superintendent, general contractor) identified on site, which did not allow for timely coordination of the field issues.		
Public Projects	Number	Percent
Violations fully corrected within 10 business days after violations are discovered or otherwise considered corrected in a timely period (C.6.e.iii.1.h)	10	91% ⁶⁰
Violations not fully corrected within 30 days after violations are discovered (C.6.e.iii.1.i)	0	0% ⁶¹
Total number of violations for the reporting year⁶²	11	100%
Comments: One violation was not fully corrected within 10 business days and received additional follow-up. In that instance, and additional Notice of Correction was issued, and the contractor responded promptly.		

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.).
Description: Private Projects: During this year, the City revised its procedures by pre-scheduling inspection of sites disturbing 1 acre or more and high priority sites 6 months in

⁵⁷ Calculated as number of violations fully corrected in a timely period after the violations are discovered divided by the total number of violations for the reporting year.
⁵⁸ Calculated as number of violations not fully corrected within 30 days after the violations are discovered divided by the total number of violations for the reporting year.
⁵⁹ Total number of violations equals the number of initial enforcement actions (i.e. one violation issued for several problems during an inspection at a site). It does not equal the total number of enforcement actions because one violation issued at a site may have a second enforcement action for the same violation at the next inspection if it is not corrected.
⁶⁰ 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.
⁶¹ 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.
⁶² Total number of violations equals the number of initial enforcement actions (i.e. one violation issued for several problems during an inspection at a site). It does not equal the total number of enforcement actions because one violation issued at a site may have a second enforcement action for the same violation at the next inspection if it is not corrected.

Permittee Name: City of Sunnyvale

advance, in the computer system for the first of each month. Completing the required monthly inspections this year was improved; there were a few sites where a required inspection did not occur during the calendar month. The City is making additional improvements with review of its procedures for scheduling and data collection. The City began using the WDID number as the Site Name for the tracking data sheet to improve consistency in tracking a project, as addresses and project numbers can change throughout a construction project as it is completed.

Public Projects:
 For major public projects, the City contracts for construction management services, including site inspection and oversight of construction contractor performance. When issues emerge, the inspectors ensure that the contractors address them in a timely manner.

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:
 See C.6 Construction Site Control sections of SCVURPPP's FY 2011-2012 Annual Report for a description of activities at the countywide or regional level.

Private Projects:
 The City continues to refine its approach to integrating stormwater inspections with the routine functions of building inspectors. As described earlier, scheduling and data tracking for these inspections is being further refined. The City also continues to resource the CASQA Stormwater Best Management Practices Handbook Portal for Construction.

Public Projects:
 Inspectors are on site frequently, and if any potential issues are observed, they have the contractor correct them immediately.

Water Board feedback:
 On August 23, 2012, the City received a notice from the Water Board regarding implementation of Provision C.6. The City is reviewing that information and will respond to that notice within the required timeframe.

C.6.f ► Staff Training Summary				
Building Division (Private Projects)				
Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance	Percent of Inspectors in Attendance
Annual C.3 Stormwater Workshop (Field Inspectors)	November 8, 2011	Implementing Low Impact Development Requirements for New Development and Redevelopment Projects	4	50%
Stormwater Inspections (Field Inspectors)	September 7, 2011	Field Inspections	6	100%
C.3 and C.6 Workshop	November 15, 2011	BMP Manual Update	1	9%
C.3 and C.6 Workshop	November 30, 2011	BMP Manual Update	9	82%
Stormwater Workshop	February 7, 2012	Construction Site Stormwater Compliance	1	9%
Project Administration (Public Projects)				
Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance	Percent of Inspectors in Attendance
Stormwater Workshop for Construction Site Inspectors	February 7, 2012	Municipal Regional Stormwater Permit and Construction General Permit Requirements, Overview of construction BMP's, Examples of enforcement experiences, Construction site compliance	3	60%

Section 7 – Provision C.7 Public Information and Outreach

C.7.b.ii.1 ► Advertising Campaign

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

Summary:
The City's campaign details for FY 2011-2012 included:

Utility Bill Inserts

Advertising inserts were placed into utility bill inserts and sent to approximately 26,000 account customers for each two-month mailing. Electronic copies of bills are placed on Finances website for reference to approximately 4,000 account customers that opted out of receiving paper bills.

July/August 2011: Side one of advertising insert was titled: "When you need to drain ... Drain Smart," and focused on proper drainage of pools, spas and fountains. Side two was titled: "Backyard Composting Keeps Chemicals Out of the Bay," and focused on how to have a healthy, pest-free garden and upcoming compost workshops.

September/October 2011: Side one of advertising insert was titled: "Keep Mercury Out of the Environment," and focused on proper disposal methods. Side two was titled: "Mercury Products Should Be Handled with Care," and focused on proper disposal and clean-up. A third bill was titled: "In fall, it's easier to save 20 gallons a day", and focused on reducing irrigation times in the fall.

November/December 2011: Side one of advertising insert was titled: "Holiday Recycling Made Easy," and focused on proper disposal of batteries.

March/April 2012: Side one of advertising insert was titled: "We All Can Help Prevent Litter, Tarp Your Load," and focused on why it is important to cover loads. Side two was titled: "Spring Cleaning?," and focused on choosing the best option of disposing of unwanted items including HHW.

May/June 2012: Side one of advertising insert was titled: "Pests Bugging You?," and focused on finding IPM solutions inside and outside ones home as well as hiring landscape maintenance personnel trained in sustainable landscaping practices. Side two was titled: "Compost Controls Garden Pests," and focused on using compost to reduce the need for water, fertilizers and pesticides, as well as information on upcoming compost classes.



When you need to drain ...

DRAIN SMART

Keep chlorinated pool, spa and fountain water out of storm drains, creeks and the Bay. It can harm plants, fish and wildlife. Instead, discharge water to a sanitary sewer clean-out.

Sewer line clean-out

Storm drain

To sewage treatment plant for treatment before discharge

Storm drain flows directly to local creeks and Bay

When you need to discharge a large amount of chlorinated water, please call the Water Pollution Control Plant at (408) 730-7717, TDD (408) 730-7501, for help in finding your sewer clean-out.

July/Aug 2011

PESTS BUGGING YOU?

LEARN TO CONTROL COMMON PESTS INSIDE AND OUTSIDE THE LESS TOXIC WAY

Find out how to do it yourself or find a gardener who is trained in sustainable landscaping practices. Learn how at www.nywatershedwatch.org/lesstoxicgarden.html or call (408) 730-7717, TDD (408) 730-7501.

Watershed Watch
Protect Your Creek and Bay
www.nywatershedwatch.org/lesstoxicgarden.html

Click on Water Pollution Prevention

Printed on Recycled Paper May/June 2012

May/June 2012

On-screen viewing at Mercado 20 and Cupertino 16 Theaters
Water pollution prevention advertising for on-screen viewing at the Mercado 20 and Cupertino 16 Theaters.
March 23 – April 12, 2012: Advertisement focused on IPM and reducing pesticide use.
April 20 – May 10, 2012: Advertisement focused on keeping litter out of storm drains and protecting our creeks and bay.

Valley Transportation Authority (VTA) Buses
Water pollution prevention advertisements were placed on the back of a minimum of 50 VTA buses that have routes in the city.
May 21 – June 17, 2012: Advertisement focused on the importance of keeping litter out of storm drains and was titled: "If it flows down the street ... it ends up in the creek."

Sunnyvale Sun
A variety of advertisements and articles were submitted in this fiscal year in our local community newspaper.
July 22, 2011: City offers free classes on sustainability – article focusing on upcoming BAWSCA classes.
August 5, 2011: Home Composting Workshops – ad publicizing and inviting individuals to upcoming workshops.
August 19, 2011: Are You a Green Gardener? – ad focused on how to become a Green Gardener and upcoming classes, City of Sunnyvale

Permittee Name: City of Sunnyvale

Garage Sale – ad on upcoming event, and Water-Efficient Landscape Education Program – ad focused on upcoming series.
September 2, 2011: California Coastal Cleanup Day in Sunnyvale – ad publicizing and inviting individuals to participate in event, Are You a Green Gardener? – ad focused on how to become a Green Gardener and upcoming classes, and Home Composting Workshops – ad publicizing and inviting individuals to upcoming workshops.
September 9, 2011: Mercury Fever Thermometer Exchange – ad publicizing and inviting individuals to participate in upcoming Mercury Thermometer Exchange event.
October 7, 2011: World Water event needs volunteers – ad publicizing and inviting individuals to participate in event.
October 14, 2011: Boxing club hosts trash cleanup – article on results from cleanup event.
February 3, 2012: Home Composting Workshops – ad publicizing and inviting individuals to upcoming workshops.
February 17, 2012: Tour Sunnyvale's Water Pollution Control Plant– ad publicizing and inviting individuals to participate in upcoming tour.
April 6, 2012: Home Composting Workshops – ad publicizing and inviting individuals to upcoming workshops, Great American Litter Pickup – ad and news brief publicizing and inviting individuals to participate in event.
April 13 & April 20, 2012: Great American Litter Pickup – calendar listing publicizing and inviting individuals to participate in event.
April 27, 2012: Mercury Fever Thermometer Exchange – ad publicizing and inviting individuals to participate in upcoming Mercury Thermometer Exchange event.
May 4, 2012: Thermometer Exchange and Pharmaceutical Disposal – calendar listing publicizing and inviting individuals to participate in upcoming events and Home Composting Workshops – ad publicizing and inviting individuals to upcoming workshops.
May 11, 2012: National River Cleanup Day – ad and calendar listing publicizing and inviting individuals to participate in upcoming event.
May 18, 2012: National River Cleanup Day – calendar listing publicizing and inviting individuals to participate in upcoming event.
June 1, 2012: Home Composting Workshops – ad publicizing and inviting individuals to upcoming workshops.
June 15, 2012: Tour Sunnyvale's Water Pollution Control Plant– ad publicizing and inviting individuals to participate in upcoming tour.

The following separate reports developed by SCVURPPP and BASMAA summarize countywide advertising efforts conducted during FY 2011-2012:

- FY 2011-2012 Watershed Watch Campaign Annual Campaign Report
- FY 2011-2012 Watershed Watch Partner Report
- FY 2011-2012 Watershed Watch Web Statistics Report
- FY 2011-2012 BASMAA Be the Street Youth Litter Outreach Campaign Report

These reports are included within the C.7 Public Information and Outreach section of SCVURPPP's FY 2011-2012 Annual Report.

The City continues to participate in the WEO Ad Hoc Task Group and assist with ongoing implementation of Watershed Education and Outreach Campaign, including campaign development and staff support for special projects. The City's Environmental Outreach Coordinator is the Co-Chair of this Committee. Environmental staff provides personal evaluation of WEO projects, and supports funding campaigns for programs at Alviso Ed Center, ZunZun water education performances in local schools, and Our Water Our World IPM Store Partnership. In addition, we participate in ongoing implementation of the BASMAA Youth Litter Campaign.

C.7.b.iii.1 ► Pre-Campaign Survey

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

The following separate report developed by BASMAA summarizes the pre-campaign survey conducted in FY 2011-2012:

- **BASMAA Youth Litter Campaign Report**

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

<input type="checkbox"/>	Survey report attached
<input checked="" type="checkbox"/>	Reference to regional submittal: This report is included within the C.7 Public Information and Outreach section of SCVURPPP's FY 2011-2012 Annual Report.

C.7.c ► Media Relations

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

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

Summary:

Sunnyvale's media relation efforts for FY 2011-2012 included:

COMMUNITY OUTREACH

Print: Sunnyvale Quarterly Report

The Quarterly Report is mailed to approximately 60,000 residents and businesses in Sunnyvale every three months. In addition, 2,000 copies are distributed to reception and outreach areas around Sunnyvale and are available for download from the city's web site.

Summer 2011 – (Litter) Mark Your Calendar for Coastal Cleanup Day on September 17: Information and invitation to participate in event, (Mercury/Pharmaceuticals) WPCP Mercury Fever Thermometer Exchange / Medication Drop-off Event: article publicizing and inviting individuals to participate in upcoming event, (HHW) Local Events Keep Toxic waste Out of Storm Drains and Garbage: Article on proper disposal of HHW. (Water Conservation) Take a Tour of the WPCP: Information and invitation to participate in event.

Fall 2011 – (Litter/Storm Drain Protection) Join Sunnyvale on World Water Monitoring Day: Article publicizing and inviting individuals to participate in upcoming event, (Stormwater Pollution Prevention - reporting) Help Us Keep Our Creeks and the Bay Clean: Information on how to report spills and dumping and informing public that the City prohibits the discharge of anything other than rainwater.

Winter 2012 – (Stormwater Pollution Prevention) City's Earth Care Kidz Program Gets State Recognition: Article on the program and the CASQA award it won, (Litter) City Council Approves Sunnyvale Single-Use Plastic Carryout-Bag Ban: Article on why it's important and details on ordinance, (Litter/HHW) Keep Neighborhoods Clean and Inviting: article on proper storage and how to report dumping, (Litter) Litter? You're on Notice: Article wrapping up the four litter cleanups events in 2011, (Litter / Storm Drain Protection) Winter Rains Wash Pollutants Into Waterways: Article on

Permittee Name: City of Sunnyvale

how runoff affects California's waterways and ways to protect them.

Spring 2012 – (Stormwater Pollution Prevention) A Raindrop's Destiny: Article on the different paths a raindrop can take and ways to prevent stormwater pollution, (Litter) Resident-Favorite City Clean-Up Events Announced: Article publicizing and inviting individuals to participate in upcoming events, (Mercury/Pharmaceuticals) Mercury, Pharmaceutical Disposal Event Helps Local Environment: Article describing issues associated with improper disposal, as well as publicizing and inviting individuals to participate in upcoming event, (Water Conservation) Back by Popular Demand: WPCP Tours: Information and invitation to participate in upcoming events.

Print: Sunnyvale reNews

The Sunnyvale reNews, is a supplemental insert focused on recycling news that is part of the Quarterly Report.

Summer 2011 – (HHW/Mercury, Motor Oil) SMaRT Station Services: Article on how to dispose of household hazardous waste, including mercury and other items, (Yard Waste) Compost Workshops: Information on upcoming workshops.

Fall 2011 – (Expired Medicines/Pharmaceuticals) Glad you asked ... Response to a question on how to properly dispose of unwanted medications, (HHW/Mercury, Motor Oil) SMaRT Station Services: Article on how to dispose of household hazardous waste, including mercury and other items, (Yard Waste) Compost Workshops: Information on upcoming workshops.

Winter 2012 – (Yard Waste) New Green Year Resolution: Compost to Reduce Waste: Article on why and how to compost and invitation to upcoming workshops, (HHW/Mercury, Motor Oil) SMaRT Station Services: Article on how to dispose of household hazardous waste, including mercury and other items, (HHW/Paint, Garden and Pool Chemicals) Understanding Proper Disposal of Household Hazardous Waste (HHW): Article on proper disposal of HHW.

Spring 2012 – (HHW/Mercury, Motor Oil) SMaRT Station Services: Article on how to dispose of household hazardous waste, including mercury and other items, (Yard Waste) Compost Workshops: Information on upcoming workshops.

Electronic Newsletter: Sustainable Sunnyvale

The Sustainable Sunnyvale is an e-mail subscription newsletter that was introduced in 2010. Starting in 2011, we went to bi-monthly publications. The newsletter covers a variety of sustainable topics. Approximately 253 individuals currently subscribe to the newsletter.

August 2011 – (Litter) California Coastal Cleanup Day, September 17: Information and invitation to participate in event, (Litter) Sunnyvale Plastic Bag Ban Update: Article on why it's important and details on ordinance, (IPM) Santa Clara Valley Green Gardener Training: Article on program and upcoming classes being offered, (Litter/Storm Drain Protection) Save the Date World Water Monitoring Day in Sunnyvale: Article publicizing and inviting individuals to participate in event.

October 2011 – (Litter/Storm Drain Protection) Explore Local Waterways at Fun Fall Event!: Article publicizing and inviting individuals to participate in World Water Monitoring Day event.

December 2011 – (Dioxin/Burning) Alternative Wrapping is a Gift to the Environment: Article on why not to burn and alternatives to gift wrapping, (Water Conservation) Free Landscape Education Classes Return This Spring!: Article on the upcoming classes being offered this Spring, (Stormwater Pollution Prevention) No Dumping Flows to Bay: Article on why it's important and how to prevent stormwater pollution.

February 2012 – (Litter) Save the Date – Sunnyvale Spring Clean-up Events: Information on and how to participate in upcoming events, (Water Conservation) Water Pollution Control Plant Community Tours: Information and invitation to participate in upcoming event.

April 2012 – (Litter/Storm Drain Protection) Two Sunnyvale Spring Clean-up Events: Information on how storm drain pollution can happen, ways to prevent it and information and an invitation to make a difference by participating in upcoming events, (Mercury/Pharmaceuticals) Mercury, Fever Thermometer Exchange & MedDrop Event: Article publicizing and inviting individuals to participate in upcoming event, (IPM/Pesticides) It's Gardening Time!: Article on how to find less-toxic options for pest control and hiring a sustainable gardener.

Permittee Name: City of Sunnyvale

June 2012 – (Water Conservation) Where Does Your Wastewater Go?: Information and invitation to participate in upcoming events, (Storm Drain Protection) Keep Car Wash Water Out of Storm Drains: Article on materials that could come off vehicles when washing, ways to wash it without causing storm drain pollution and how to get a Watershed Watch Discount Card that offers car wash discounts.

Electronic Newsletter: Beyond the Badge

Beyond the Badge is a monthly e-mail subscription newsletter from Sunnyvale's Department of Public Safety.

September 2011 – (Mercury/Pharmaceuticals) Mercury Thermometer Exchange & MedDrop Event: Calendar listing publicizing upcoming event, (Litter/Storm Drain Protection) Knocking Out Litter in Sunnyvale: Calendar listing publicizing upcoming event.

October 2011 – (Mercury/Pharmaceuticals) Mercury Thermometer Exchange & MedDrop Event: Wrap up article on outcome of event, (Litter/Storm Drain Protection) Sunnyvale Boxing Club "Knocks Out Litter": Wrap up article on outcome of event.

E-Mail Blast: Neighborhood Associations

These emails were sent out to leads who forward them onto the various association contact lists.

August 8, 2011 – (Litter/Storm Drain Protection, Mercury/Pharmaceuticals, and IPM/Pesticides) Upcoming Events in Sunnyvale: Coastal Cleanup Day, WPCP Tour, Thermometer Exchange/MedDrop and Green Gardener Training: Information and invitation to participate in upcoming events.

September 28, 2011 – (Litter/Storm Drain Protection) You're Invited to Sunnyvale's Newest Event: World Water Monitoring Day: Information and invitation to participate in upcoming event.

February 28, 2012 – (Pollution Prevention/IPM) Outreach Opportunities from the City of Sunnyvale: Information on speaker topics and activities available to neighborhood associations.

March 23, 2012 – (Litter/Storm Drain Protection) Upcoming Cleanup Event in Sunnyvale: Information and invitation to participate in the Great American Litter Pickup Event.

Print: Flyers/Posters

Placed at various key locations throughout the city promoting upcoming events event. **Any person living, working, or going to school in the City, who used the library, community center, senior center or city hall could view the posters.

Aug/Sep 2011 – (Litter/Storm Drain Protection) Coastal Cleanup Day: Information on upcoming event and how to participate, (Mercury/Pharmaceuticals) Mercury Thermometer Exchange/MedDrop: Information on upcoming event and how to participate, (IPM/Pesticides) Green Gardener Training: Information on upcoming classes and how to participate.

Feb/Apr 2012 – (Water Conservation) BAWSCA landscape Education Program: Information on upcoming classes and how to participate.

Mar/Apr 2012 – (Litter/Storm Drain Protection) Great American Litter Pickup Event: Information on upcoming event and how to participate.

Apr/May 2012 – (Mercury/Pharmaceuticals) Mercury Thermometer Exchange/MedDrop: Information on upcoming event and how to participate, (Litter/Storm Drain Protection) National River Cleanup Day: Information on upcoming event and how to participate.

Print: Senior Center Kiosk

Sunnyvale Senior Center Kiosk – items are replenished as needed

July 1, 2011 to June 30, 2012 – (IPM, Water Conservation and Stormwater Pollution Prevention) Various IPM, water conservation and pollution preventions flyers and brochures are made available to the public.

Community Cable TV: KSUN

Messages are developed and advertised on KSUN. These messages reach approximately 20,000 city residents with cable TV.

September 2011 – (Litter/Storm Drain Protection) Coastal Cleanup Day: Information on upcoming event and how to participate,

Permittee Name: City of Sunnyvale

(Mercury/Pharmaceuticals) Mercury Thermometer Exchange/MedDrop: Information on upcoming event and how to participate.

September 19 to 25, 2011 – (Pollution Prevention) P2 Week Slides – Daily Tips

- (Pesticides/IPM) Pollution Prevention Tip #1: Use less-toxic methods to control insects in your home and garden
- (Mercury) Pollution Prevention Tip #2: Proper disposal of mercury-containing products
- (Yard Waste) Pollution Prevention Tip #3: Keeping yard waste out of storm drains by composting and/or proper disposal
- (Unused Medicines) Pollution Prevention Tip #4: Proper disposal methods
- (Litter/Storm Drain Protection) Pollution Prevention Tip #5: "If it flows down the street. It ends up in the creek. Don't litter."



October 4 to October 28, 2011 – (Litter/Storm Drain Protection) World Water Monitoring Day: Information on upcoming event and how to participate.

Electronic Display Board: Library and Department of Public Safety(DPS)

Messages are developed and advertised on electronic bulletin boards. One is located in the City's Library near where items are checked out. The other is located in the lobby DPS. *Any person living, working, or going to school in the City who used the library or visited DPS could view the electronic display boards.

August/September 2011 – (Litter/Storm Drain Protection) Coastal Cleanup Day: Information on upcoming event and how to participate, (Mercury/Pharmaceuticals) Mercury Thermometer Exchange/MedDrop: Information on upcoming event and how to participate, (IPM/Pesticides) Green Gardener Training: Information on upcoming classes and how to participate.

September/October 2011 – (Litter/Storm Drain Protection) World Water Monitoring Day: Information on upcoming event and how to participate.

April/May 2012– (Litter/Storm Drain Protection) National River Cleanup Day: Information on upcoming event and how to participate, (Mercury/Pharmaceuticals) Mercury Thermometer Exchange/MedDrop: Information on upcoming event and how to participate.

Online: City of Sunnyvale Community Calendar

The City's community calendar can be found at: <http://sunnyvale.ca.gov/IntheCommunity/CommunityEvents.aspx>.

August/September 2011 – (Litter/Storm Drain Protection) Coastal Cleanup Day: Information on upcoming event and how to participate, (Mercury/Pharmaceuticals) Mercury Thermometer Exchange/MedDrop: Information on upcoming event and how to participate.

September/October 2011 – (Litter/Storm Drain Protection) World Water Monitoring Day: Information on upcoming event and how to participate.

Permittee Name: City of Sunnyvale

February/May 2012 – (Mercury/Pharmaceuticals) Mercury Thermometer Exchange/MedDrop: Information on upcoming event and how to participate

March/April 2012 – (Litter/Storm Drain Protection) Great American Litter Pickup: Information on upcoming event and how to participate.

April/May 2012 – (Litter/Storm Drain Protection) National River Cleanup Day: Information on upcoming event and how to participate.

Online: Yahoo! Groups Posting, Yahoo! and San Jose Mercury News Calendar Listing

Sunnyvale Cool City Group is a group of city residents and friends organized to act to reduce the emissions of greenhouse gases in their community. In addition, they focus on various other green activities and events. The group has approximately 110 members. Yahoo! upcoming events calendar can be found at: <http://upcoming.yahoo.com/> and the San Jose Mercury News event calendar can be found at: <http://events.mercurynews.com/>.

August/September 2011 – (Litter/Storm Drain Protection) Coastal Cleanup Day: Information on upcoming event and how to participate, (Mercury/Pharmaceuticals) Mercury Thermometer Exchange/MedDrop: Information on upcoming event and how to participate, (IPM/Pesticides) Green Gardener Training: Information on upcoming classes and how to participate, (Water Conservation) WPCP Tour: Information on upcoming event and how to participate.

September/October 2011 – (Litter/Storm Drain Protection) World Water Monitoring Day: Information on upcoming event and how to participate.

February/March 2012 – (Water Conservation) WPCP Tour: Information on upcoming event and how to participate.

March/April 2012 – (Litter/Storm Drain Protection) Great American Litter Pickup: Information on upcoming event and how to participate.

April/May 2012 – (Litter/Storm Drain Protection) National River Cleanup Day: Information on upcoming event and how to participate, (Mercury/Pharmaceuticals) Mercury Thermometer Exchange/MedDrop: Information on upcoming event and how to participate.

Radio/Online: Public Service Announcement (PSA) – KRTY/KLIV

The following announcements were aired on KRTY (FM 95.3) and KLIV (AM 1590) and listed on their websites. The PSA's for KRTY are at: <http://krtv.com/Community/2668341> and KLIV's are at: <http://kliv.com/Public-Service/1055852>.

August/September 2011 – (Mercury) Mercury Thermometer Exchange: Information on upcoming event and how to participate.

March/April 2012 – (Litter/Storm Drain Protection) Great American Litter Pickup: Information on upcoming event and how to participate.

April/May 2012 – (Litter/Storm Drain Protection) National River Cleanup Day: Information on upcoming event and how to participate, (Mercury) Mercury Thermometer Exchange: Information on upcoming event and how to participate.

Online/Mobile : City of Sunnyvale Facebook and Twitter Accounts and City of Sunnyvale ESD Facebook Page

September 2011 – (Litter/ Storm Drain Protection) 2011 Coastal Cleanup Day Volunteer Opportunities: Information on upcoming event and how to participate, (Yard Waste) Compost Workshops: Information on upcoming workshops and how to participate.

January 2012 – (Litter) The Majestic Plastic Bag – A Mockumentary: Shared link

April 2012 – (Mercury/Pharmaceuticals) Mercury Thermometer Exchange/MedDrop: Information on upcoming event and how to participate.

March to June 2012 – (Litter) Sunnyvale Single-Use Plastic Carryout-Bag Ban: Various information on why it's important and details on ordinance.

Online: City of Sunnyvale Webpages

Updated Periodically – (Stormwater pollution prevention and proper waste disposal options) various pollution prevention messaging on three different web sites in the City as well as on green.insunnyvale.com.

– The Solid Waste and Recycling website provides HHW information regarding proper disposal of pesticides, fertilizers, and mercury containing products.

Permittee Name: City of Sunnyvale

- The Water Pollution Control Plant Pretreatment section includes specific business related BMPs for painting, concrete, facility, equipment, cleaning, and vehicle maintenance.
- The Water Pollution Control Plant site also includes extensive water pollution prevention information and upcoming event information.

BUSINESS OUTREACH

E-Mail: Business E-mail Blast

This e-mail blast goes out to businesses in the City that have opted to receive messages from the Recycling division.

August 8, 2011 – (IPM/Pesticides) Green Gardener Training: Information on upcoming classes and how to participate.

August 24, 2011 – (Litter/Storm Drain Protection) Coastal Cleanup Day: Information on upcoming event and how to participate.

March 26, 2012 – (Litter/Storm Drain Protection) Great American Litter Pickup: Information on upcoming event and how to participate.

EMPLOYEE OUTREACH

Online: The Sun Times Newsletter

A newsletter for employees of the City that reaches approximately 900 municipal employees.

July 1, 2011 – (Litter/ Storm Drain Protection) Volunteers in Sunnyvale Are Amazing!: Wrap-up article on Great American Litter Pickup and National River Cleanup Day events, (Car Washing/Storm Drain Protection) Got Car Wash Questions? We Have Answers: Article on materials that could come off vehicles when washing, ways to wash it without causing storm drain pollution and how to get a Watershed Watch Discount Card that offers car wash discounts, (Yard Waste) Free Compost and Classes: How to get compost and information on upcoming workshops and how to participate.

October 1, 2011 – (Mercury) Recycling at Work!: Proper disposal of mercury-containing products.

January 3, 2012 – (IPM) Integrated Pest Management Policy: Information on the City's IPM policy and what it means to the employee. (Litter) City Council Approves Single-Use Plastic Carryout Bag Ordinance: Article on why it's important and details on ordinance.

April 2, 2012 – (Litter/ Storm Drain Protection) Help Keep Sunnyvale Clean: Information on Great American Litter Pickup and National River Cleanup Day events and how to participate.

Print: Poop Scoop

A newsletter for employees at the Water Pollution Control Plant that reaches approximately 65 employees.

March 2012 – (Litter/Storm Drain Protection) Did You Know?!?: Article on requirement to decrease trash loads and ways we plan to get there.

Print: Flyers and Posters

Placed in various staff break rooms (City Hall, DPS, Corp Yard, Senior Center, NOVA, WPCP, etc. ...)

September 2011 – (Litter/Storm Drain Protection) Coastal Cleanup Day: Information on upcoming event and how to participate, (Mercury/Pharmaceuticals) Mercury Thermometer Exchange/MedDrop: Information on upcoming event and how to participate.

March/April 2012 – (Litter/Storm Drain Protection) Great American Litter Pickup: Information on upcoming event and how to participate.

April/May 2012 – (Litter/Storm Drain Protection) National River Cleanup Day: Information on upcoming event and how to participate.

E-Mail: Sunnyvale Staff E-Mail

Sent to employees of the City with e-mail access.

July 1, 2011 – (Litter) Let's Have a Litter-Free Summer: Information on ways to prevent litter during summer activities.

July 25, 2011 – (Mercury) Battery Recycling: Proper disposal method.

September 19 to 23, 2011 – (Stormwater Pollution Prevention) Daily P2 Week Messages

- Monday's Tip: (Vehicle Maintenance) Proper maintenance (fluids, washing) tips.
- Tuesday's Tip: (Mercury) Proper disposal of mercury-containing items.
- Wednesday's Tip: (Pesticides) Less-toxic alternatives and disposal options.
- Thursday's Tip: (Yard Waste) Keep out of storm drains and disposal options.
- Friday's Tip: (Water Pollution Prevention) Changes in daily habits can make for positive change.

February 2, 2012– (Mercury/Universal Waste) Proper Disposal of Universal Waste and Mercury-Containing Products: Options for proper disposal at work and at home.

Online: City of Sunnyvale Intranet – SunSpot (ESD's site)

Internal site for city employees.

April 20, 2012– (Pollution Prevention) Pick Five For Earth Day: Options one can choice to help make every day Earth Day. Actions include: using less water, using less-toxic pesticides, not littering and more.

YOUTH OUTREACH

Electronic Newsletter: Sustainable Sunnyvale

The Sustainable Sunnyvale is an e-mail subscription newsletter that was introduced in 2010. Starting in 2011, we went to bi-monthly publications. The newsletter covers a variety of sustainable topics. Approximately 253 individuals currently subscribe to the newsletter.

June 2012– (Litter) BE the Street Video Contest: Information on upcoming litter campaign and how to participate in contest.

The following separate report developed by BASMAA summarizes media relations efforts conducted during FY 2011-2012:

- BASMAA Media Relations Final Report FY 2011-2012

This report and any other media relations efforts conducted countywide is included within the C.7 Public Information and Outreach section of SCVURPPP's FY 2011-2012 Annual Report.

C.7.d ► Stormwater Point of Contact

No changes were made.

For additional information see C.7 Public Information and Outreach section of SCVURPPP's FY 2011-2012 Annual Report for efforts conducted by the SCVURPPP to publicize stormwater points of contact (e.g. program 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
Provide event name, date, and location. Indicate if event is local, countywide or regional.	Identify type of event (e.g., school fair, farmers market etc.), type of audience (school children, gardeners, homeowners etc.) and outreach messages (e.g., Enviroscene presentation, pesticides, stormwater awareness)	Provide general staff feedback on the event (e.g., success at reaching a broad spectrum of the community, well attended, good opportunity to talk to gardeners etc.). Provide other details such as: <ul style="list-style-type: none"> • Estimated overall attendance at the event. • Number of people that visited the booth, comparison with previous years • Number of brochures and giveaways distributed • Results of any spot surveys conducted
For descriptions of Regional efforts, see the SCVURPPP's Section C.7.e of the Annual Report. Specific outreach efforts in Sunnyvale are described below.		
COMMUNITY OUTREACH		
Sunnyvale 2011 State of the City Washington Park July 4, 2011	<u>Type of Event:</u> Fair/booths highlighting City services and information <u>Audience:</u> City residents, both youth and adults <u>Messages:</u> Stormwater pollution prevention, IPM, less-toxic options for pest control, water conservation, draining options for pools and spas, and proper disposal information on pesticides, pharmaceuticals and mercury.	<u>General Feedback:</u> This was a good opportunity for outreach to the community on a variety of environmentally related topics. <u>Estimated Number of Contacts:</u> 138 individuals stopped to ask questions, play the P2 dice game, and/or receive information/brochures. <u>Comparison to Previous Events:</u> There was about a 3% increase over booth visitors reported for the previous year.
San Miguel Neighborhood Association BBQ Fair Oaks Park July 16, 2011	<u>Type of Event:</u> Annual association BBQ. They invited us and three other agencies to set up tables to highlight various community services and information. <u>Audience:</u> San Miguel neighborhood residents, both youth and adults <u>Messages:</u> Stormwater pollution prevention, IPM, less-toxic options for pest control, water	<u>General Feedback:</u> This was a good opportunity for outreach to the community on a variety of environmentally related topics. <u>Estimated Number of Contacts:</u> 27 individuals stopped to ask questions, play the P2 dice game, and/or receive information/brochures. <u>Comparison to Previous Events:</u> This was a new event this year.

	conservation, draining options for pools and spas, and proper disposal information on pesticides, pharmaceuticals and mercury.	
Lakewood Neighborhood Association Meeting Lakewood Park August 10, 2011	<u>Type of Event:</u> Guest Speaker at Neighborhood Association Meeting <u>Audience:</u> Lakewood neighborhood residents, both youth and adults <u>Messages:</u> Spoke on less-toxic alternatives for household cleaning and water conservation. Also provided other stormwater pollution prevention information (IPM, less-toxic options for pest control, draining options for pools and spas, and proper disposal information on pesticides, pharmaceuticals and mercury.	<u>General Feedback:</u> This was a good opportunity for targeted outreach and to be available to answer questions. <u>Estimated Number of Contacts:</u> 21 individuals attended the talk. Most took information and several asked questions on a variety of topics. <u>Comparison to Previous Events:</u> This was a new event this year.
Watershed / Enviroscope Presentation Sunnyvale Senior Center August 23, 2011	<u>Type of Event:</u> Presentation / Discussion <u>Audience:</u> Senior adults <u>Messages:</u> Staff gave an hour presentation that included a discussion on what a watershed is and how to protect it. In addition, the Enviroscope model was demonstrated.	<u>General Feedback:</u> This was a good opportunity for outreach to the senior community on a variety of environmentally related topics and opened the lines of communication to discuss items of concern to those attending. <u>Estimated Number of Contacts:</u> Five individuals attended the presentation. <u>Comparison to Previous Events:</u> This was a new event topic this year.
Mercury Thermometer Exchange / MedDrop Sunnyvale Senior Center September 21, 2011 May 9, 2012	<u>Type of Event:</u> Collaboration with Department of Public Safety staff for a Mercury Thermometer Exchange / Medicine Drop-off during Pollution Prevention Week and a second in May. <u>Audience:</u> Senior adults <u>Messages:</u> Proper disposal options for mercury-containing products and old medications.	<u>General Feedback:</u> Very successful events. We collected 57 mercury-containing thermometers and 103.75 pounds of unused medications in May, and 36 mercury-containing thermometers and 40 pounds of unused medications in September. <u>Estimated Number of Contacts:</u> At least 75 individuals brought in thermometers. We did not count the number of individuals bringing in used medications. <u>Comparison to Previous Events:</u> One event was held in FY 2010-2011 with 40 thermometers and 46.5 pounds of unused medications collected. The quantity of thermometers and medicines collected increased, showing that this is an

		effective event to get resident participation in the proper disposal of wastes.
<p>Green Gardener 10-week Program Sunnyvale Adult Community Education Center September - December 2011</p>	<p><u>Type of Event:</u> Training sessions as guest instructors for three classes – Soils, IPM and Air Quality. See the Program's section C.7 of the annual report for additional information on the Green Gardener program. <u>Audience:</u> Landscape maintenance professionals <u>Messages:</u> Benefits of healthy soils to reduce synthetic fertilizer use, IPM practices for landscape care, techniques to reduce air quality impacts prevent air and water pollution</p>	<p><u>General Feedback:</u> This training provides a good mechanism to teach and promote the use of IPM practices by landscape maintenance professionals. Student evaluations of the presentations by city staff were generally positive and identified as being useful. <u>Estimated Number of Contacts:</u> 40 individuals attended the SCVURPPP-sponsored program. <u>Comparison to Previous Events:</u> The number of successful graduates SCVURPPP-sponsored classes increased by approximately 6% this year. All successful program graduates are listed on www.mywatershedwatch.org website under the Green Gardener tab.</p>
<p>World Water Monitoring Day Stevens Creek (behind West Valley School) October 29, 2011</p>	<p><u>Type of Event:</u> In collaboration with the Stevens & Permanente Creeks Watershed Council, volunteers were able to perform various water quality testing and biomonitoring. <u>Audience:</u> City residents, both youth and adults <u>Messages:</u> Stormwater pollution prevention, IPM, less-toxic options for pest control, draining options for pools and spas, and proper disposal information on pesticides, pharmaceuticals, and mercury.</p>	<p><u>General Feedback:</u> This event offered a venue for Outreach to focus on how indoor/outdoor daily activities impact the health of our watershed and for residents to test and see what can happen to the water. In addition to the water testing staff did Enviroscope presentations, and had various pollution prevention materials available. Youth were also able to make a "good bug" mask and learned about beneficial insects. <u>Estimated Number of Contacts:</u> 61 individuals attended the presentation. <u>Comparison to Previous Events:</u> This was a first time event for us.</p>
<p>Santa Clara County Creeks & Watershed Conference LinkedIn Headquarters, Mountain View November 5, 2011</p>	<p><u>Type of Event:</u> Trainings and various booths and exhibits related to county creeks, watershed issues and/or concerns and local government. <u>Audience:</u> Adults <u>Messages:</u> Stormwater pollution prevention, IPM, less-toxic options for pest control, water conservation, litter, and auto fluids.</p>	<p><u>General Feedback:</u> This event provided a venue to present information on how indoor/outdoor daily activities impact the health of our watershed and ways to protect it. <u>Estimated Number of Contacts:</u> 73 individuals stopped to ask questions, play the P2 dice game and/or receive information/brochures. <u>Comparison to Previous Events:</u> There was about a 43% increase over booth visitors</p>

		reported for the previous year.
Leadership Sunnyvale Sunnyvale Materials Recovery and Transfer Station (SMaRT Station®) / Water Pollution Control Plant (WPCP) March 15, 2012	<u>Type of Event:</u> Community education program that provides participants with training on the fundamentals of leadership and classes in community awareness <u>Audience:</u> Adults / community members <u>Messages:</u> Topics included a wastewater treatment process overview, tours of the SMaRT Station® and WPCP, and discussions on water and stormwater pollution and its prevention.	<u>General Feedback:</u> This event presents a key opportunity to provide awareness to potential community leaders about watershed and pollution prevention issues. <u>Estimated Number of Contacts:</u> 15 individuals participated in the event <u>Comparison to Previous Events:</u> This was a slight decrease from the numbers participating the previous year.
Pollution Prevention Lecture Plaza de Las Flores Senior Living Center March 20, 2012	<u>Type of Event:</u> Presentation / Discussion <u>Audience:</u> Senior adults <u>Messages:</u> Water pollution prevention: IPM, less-toxic options for pest control, water conservation, litter, auto fluids, and proper disposal of mercury, pharmaceuticals, and HHW.	<u>General Feedback:</u> This was a good opportunity for outreach to the senior community on a variety of environmentally related topics and opened the lines of communication to discuss items of concern to those attending. <u>Estimated Number of Contacts:</u> 40 individuals attended the presentation. <u>Comparison to Previous Events:</u> This was a new event this year.
Sunnyvale Fit & Fun Fair (new name) Columbia Neighborhood Center May 5, 2012	<u>Type of Event:</u> Community event that educates area residents about health, safety, and community services. <u>Audience:</u> City residents, both youth and adults <u>Messages:</u> Literature about water pollution prevention (IPM, less-toxic options for pest control, water conservation, draining options for pools and spas, and proper disposal information on pesticides, pharmaceuticals and mercury) was distributed. In addition, three Enviroscape presentations were done throughout the day.	<u>General Feedback:</u> This was a good opportunity for outreach to community on a variety of environmentally related topics. <u>Estimated Number of Contacts:</u> Approximately 170 individuals (adults, students and children) visited the exhibit for information, literature and/or to watch an Enviroscape presentation. <u>Comparison to Previous Events:</u> There was about a 107% increase over booth visitors reported for the previous year.
BAWSCA Landscaping Classes Various City Locations August 2011 – Water Efficient Edible Landscaping and Sustainable Landscape	<u>Type of Event:</u> In collaboration with BAWSCA, the City hosted 8 classes. <u>Audience:</u> City residents <u>Messages:</u> Pesticides, Yard Waste and Water Conservation, IPM	<u>General Feedback:</u> The classes have been a success. Those attending like the topics and instructors. The overall rating of the classes by those attending is excellent. <u>Estimated Number of Contacts:</u> A total of 177

<p>Techniques</p> <p>September 2011 – Gardening with CA Native Plants</p> <p>October 2011 – CA Native Planting Demo Garden (2 sessions) and Water-Efficient Irrigation, Switch to Drip</p> <p>March 2012 – Water Efficient Edible Landscaping, Water Efficient Lawn Alternatives and Sustainable Landscape Techniques</p>		<p>people attended the various classes in FY 2011-2012.</p> <p><u>Comparison to Previous Events:</u> Just started hosting classes. We plan on hosting additional classes in 2012.</p>
<p>Compost Workshops Various City Locations Workshops are held once per month, 10 times during the year</p>	<p><u>Type of Event:</u> Community workshop on learning how at-home composting turns organic material into valuable product for gardens and landscaping.</p> <p><u>Audience:</u> City residents, adults</p> <p><u>Messages:</u> Registrants learn that applying compost to gardens and landscaping reduces the need to apply fertilizer resulting in healthier plants, thus reducing the need for pesticide applications.</p>	<p><u>General Feedback:</u> These classes help support IPM practices and educate individuals on how to reduce the need for fertilizers, which can impact stormwater.</p> <p><u>Estimated Number of Contacts:</u> Attendance was sporadic, depending on the season. Generally, anywhere between 12 and 40 individuals attended each new workshop session.</p> <p><u>Comparison to Previous Events:</u> Participation numbers this year were similar to those from previous years.</p>
<p>Sunnyvale Farmers Market Every Saturday In FY 2011-2012, staff participated 5 times</p>	<p><u>Type of Event:</u> Community</p> <p><u>Audience:</u> City residents, both youth and adults</p> <p><u>Messages:</u> Environmental Outreach exhibit promotes pesticide reduction through IPM practices during the spring and summer months, and highlights the difference between sanitary sewers and storm drains at other times. Stormwater pollution prevention is focused on during the fall and winter months. Literature and fact sheets on less-toxic pest control and other pollution prevention literature such as the HHW mercury brochure, water conservation, vehicle fluids, car washing and surplus utility bill targeting</p>	<p><u>General Feedback:</u> The market draws 2-3000 people each Saturday and provides an effective way to interface with shoppers in a venue that promotes healthy food and pesticide free gardening.</p> <p><u>Estimated Number of Contacts:</u> For this reporting year, we spoke with and provided outreach materials to approximately 223 individuals (adults) total for all days attended.</p> <p><u>Comparison to Previous Events:</u> Staff attended less times this FY then last, so the participation was down approximately 15% from attendance reported the previous year.</p>

	<p>water/stormwater pollution concerns are available.</p> <p>Give-aways such as stickers and "Pest or Pal" activity books about IPM are available for youth.</p>	
<p>Sunnyvale Water Pollution Control Plant Tours Provided when requested by schools and approximately quarterly for residents</p> <p>Plant Tours are conducted year round during normal business hours; however, Community tours which are held on Saturdays are also available. Three Saturday community tours were conducted during FY 2011-2012.</p> <p>In addition, staff can now provide a "virtual tour" with a Power Point presentation either on-site or at school in case of rain.</p>	<p><u>Type of Event:</u> Plant Tours <u>Audience:</u> City residents, both youth and adults <u>Messages:</u> Treatment stages and processes are discussed, and attendees learn the function and importance of the wastewater treatment plant and its role of preventing water pollution from wastewater discharge. Both stormwater and wastewater pollution issues are discussed as part of the tour, and educating participants on the difference between the sanitary sewer and storm drain collection system is an integral part of the messages provided.</p>	<p><u>General Feedback:</u> Discussions about water pollution and issues impacting the watershed and the environment help tour attendees gain a better understanding of the problems. At the completion of the tour, attendees are given educational materials that promote environmentally responsible behaviors. By the end of the tour, all participants know the difference between sanitary sewers and storm sewers. <u>Estimated Number of Contacts:</u> The Plant conducted 23 adult tours (including college students) in FY 2011-2012, reaching 507 individuals. See section C.7.h for information on youth tours. <u>Comparison to Previous Events:</u> There was a decrease in the number of tours requested this year for this age group.</p>
BUSINESS OUTREACH		
<p>Yahoo! Green Team Fair Yahoo! Campus, Sunnyvale August 17, 2011</p>	<p><u>Type of Event:</u> Corporate <u>Audience:</u> Digital Media professionals <u>Messages:</u> Various organizations offered free information to employees that focused on helping them live a safer and healthier lifestyle. Our exhibit focused a variety of pollution prevention messages. We also provided general water pollution prevention literature about mercury, pesticides/IPM, car wash, automotive fluids, and water conservation.</p>	<p><u>General Feedback:</u> This was a good opportunity for outreach to engage employees on a variety of environmentally related topics and to be able to answer various questions related to pollution prevention. <u>Estimated Number of Contacts:</u> We had approximately 86 individuals stop by the booth. <u>Comparison to Previous Events:</u> This was our first time to be invited to this event.</p>
<p>NetApp Healthy Living Fair NetApp, Sunnyvale September 15, 2012</p>	<p><u>Type of Event:</u> Corporate <u>Audience:</u> Data Storage Device professionals <u>Messages:</u> Various organizations offered</p>	<p><u>General Feedback:</u> This was a good opportunity for outreach to engage employees on a variety of environmentally related topics and to be able to answer various questions</p>

	<p>free information to employees that focused on helping them live a safer and healthier lifestyle. Our exhibit focused on IPM and the Green Gardener program. We also provided general water pollution prevention literature about mercury, pesticides/IPM, car wash, automotive fluids, and water conservation.</p>	<p>related to pollution prevention. <u>Estimated Number of Contacts:</u> We had approximately 149 individuals stop by the booth. <u>Comparison to Previous Events:</u> There was an 8% increase over booth visitors reported for the previous year.</p>
<p>Applied Materials Fall Wellness Expo Applied Materials, Sunnyvale October 27, 2012</p>	<p><u>Type of Event:</u> Corporate <u>Audience:</u> Semiconductor professionals <u>Messages:</u> In collaboration with Department of Public Safety staff, hosted a table and collected mercury thermometers and unneeded medications. In addition, we provided information on proper disposal options for mercury-containing products and old medications.</p>	<p><u>General Feedback:</u> Small event; however, it was a good opportunity for outreach to employees on a variety of environmentally related topics and to be able to answer various questions related to pollution prevention. <u>Estimated Number of Contacts:</u> Collected 3 thermometers and approximately 25 pounds of unneeded medications. In addition, spoke to 49 individuals on various P2 related questions. <u>Comparison to Previous Events:</u> This was our first time to be invited to this event.</p>
<p>Aruba Networks Health & Safety Fair Aruba Networks, Sunnyvale April 13, 2012</p>	<p><u>Type of Event:</u> Corporate <u>Audience:</u> Network Access professionals <u>Messages:</u> Exhibitor booths offered free information to company employees that focused on helping them live a safer and healthier lifestyle. Our exhibit focused on general pollution prevention. We also provided information on water conservation and, general water pollution prevention literature about mercury, pesticides/IPM, car washing, and automotive fluids.</p>	<p><u>General Feedback:</u> This was a good opportunity for outreach to employees on a variety of environmentally related topics and to be able to answer various questions related to pollution prevention. <u>Estimated Number of Contacts:</u> Approximately 50 individuals stopped by the booth for information <u>Comparison to Previous Events:</u> We did not attend this event last year, however based upon an event attended in FY 2009-2010; we had an increase of approximately 45%.</p>
<p>GreenNG Fair Northrop Grumman, Sunnyvale May 16, 2012</p>	<p><u>Type of Event:</u> Corporate <u>Audience:</u> Aerospace & Defense professionals <u>Messages:</u> Exhibitor booths offered free information to company employees that focused on helping them live a safer and healthier lifestyle. Our exhibit focused on a</p>	<p><u>General Feedback:</u> This was a good opportunity for outreach to employees on a variety of environmentally related topics and to be able to answer various questions related to pollution prevention. <u>Estimated Number of Contacts:</u> This was a well-attended event, with 133 employees spoken</p>

	variety of pollution prevention messages. We also provided water conservation messages and general water pollution prevention literature about mercury, pesticides/IPM, car washing, automotive fluids, etc.	with and/or receiving information. <u>Comparison to Previous Events:</u> This was a decrease of approximately 24%; however feedback from the organizer stated that employees that the booths were informative and stated that the event was enjoyable.
REGIONAL OUTREACH (The following information is for events sponsored by SCVURPPP where the City assisted with staffing).		
Mission College Eco Fair April 19, 2012 Mission College Campus, Santa Clara	<u>Type of Event:</u> College event <u>Audience:</u> Young adults, students <u>Messages:</u> Stormwater pollution prevention, less-toxic pest control and, proper disposal of HHW	<u>General Feedback:</u> The event was well organized and a good place to reach young adults. The BASMAA Be the Street campaign was promoted at this event and 32 event attendees signed up for the newsletter. <u>Estimated Overall Event Attendance:</u> 500-1,000 <u>Number of Brochures Distributed:</u> 49 <u>Number of Giveaways Distributed:</u> 186

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:
 During FY 2011-2012, SCVURPPP actively supported the Santa Clara Basin Watershed Initiative, including the Steering Committee, 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 SCVURPPP's FY 2011-2012 Annual Report. SCVURPPP also participated in the Bay Area Macroinvertebrate Bioassessment Information Network. Information on this is included in the C.8 Water Quality Monitoring section of the SCVURPPPs FY 2011-2012 Annual Report.

C.7.g. ► Citizen Involvement Events		
List the types of events conducted (e.g., creek clean up, storm drain inlet marking, native gardening etc.). Use the following table for reporting and evaluating citizen involvement events.		
Event Details	Description	Evaluation of effectiveness
Provide event name, date, and location. Indicate if event is local, countywide or regional	Describe activity (e.g., creek clean-up, storm drain marking etc.)	Provide general staff feedback on the event. Provide other evaluation details such as: <ul style="list-style-type: none"> • Number of participants. Any change in participation from previous years. • Distance of creek or water body cleaned • Quantity of trash/recyclables collected (weight or volume). • Number of inlets marked. • Data trends
See the Program's Report; section C.7.g for information on countywide citizen involvement events. Specific events held in Sunnyvale are identified below:		
<u>Name:</u> California Coastal Cleanup Day <u>Date:</u> September 17, 2011 (9 AM – noon) <u>Locations/ Focus:</u> For the statewide event, the City focused on Sunnyvale West Channel and a portion of Guadalupe Slough on the outside levees (shoreline) of the Water Pollution Control Plant oxidation ponds.	Trash and litter cleanup event along shorelines of local waterways.	<u>Number of Participants:</u> 42 volunteers and 3 city staff <u>Area cleaned:</u> Approximately 2.2 miles of slough and channel bank. <u>Quantities of materials removed:</u> Approximately 697 pounds of trash and 90 pounds of recyclables (plastic bottles / glass) during the event. <u>Most common debris items collected:</u> -Shotgun shells/wadding (too numerous to count) - Plastic bottles - Styrofoam packing materials <u>Comparison to previous events:</u> The number of participants and quantity of debris collected increased from the previous year. The amount of debris was increased by over 100%.
<u>Name:</u> Knock Out Litter in Sunnyvale <u>Date:</u> October 1, 2011 (9:30 AM - noon) <u>Locations/ Focus:</u> The City chose four sites in need of cleanup: San Miguel neighborhood	In collaboration with DPS, Trinity Church and the Sunnyvale Boxing Club. Collected litter and cleaned illegal dumping sites from neighborhoods surrounding event check-in	<u>Number of Participants:</u> 105 volunteers and 6 city staff <u>Area cleaned:</u> Approximately 3.5 miles square miles

FY 2011-2012 Annual Report

C.7 – Public Information and Outreach

Permittee Name: City of Sunnyvale

<p>area, Columbia neighborhood area, Mathilda/Maude business/neighborhood area and Orchard Gardens Park neighborhood area.</p>	<p>sites.</p>	<p><u>Quantities of materials removed:</u> Approximately 1,650 pounds of litter and debris were collected during the event. <u>Comparison to previous events:</u> This was a first-time event.</p>
<p><u>Name:</u> Great American Litter Pickup <u>Date:</u> April 21, 2012 (9 AM – noon) <u>Location/Focus:</u> Three City neighborhood sites were sponsored: Columbia Neighborhood Center, Fair Oaks Park, and an area around the Elks Lodge.</p>	<p>Collected litter and cleaned illegal dumping sites from neighborhoods surrounding event check-in sites.</p>	<p><u>Number of participants:</u> 38 volunteers and 4 city staff. <u>Area cleaned:</u> Approximately a one square mile neighborhood area around each check-in location (total of 3 square miles). <u>Quantities of materials removed:</u> Approximately 146 cubic feet of trash and litter, including recyclable bottles and cans was collected. An additional 8 cubic yards of illegally dumped material was collected from the Elks Lodge area and Fair Oaks Park neighborhood. These were generally larger items that would not fit into a storm drain inlet, but could get into the nearby Sunnyvale East Channel. <u>Most common debris items collected:</u> From streets: Styrofoam, snack food wrappers, and paper. Larger debris collected was mostly cardboard, furniture, carpet, and tires. <u>Comparison to previous events:</u> There was a slight increase in the number of volunteers this year. The amount of trash decreased. Partially due to decreasing the number of sites and adding the Knock Out event.</p>
<p><u>Name:</u> National River Clean Up Day <u>Date:</u> May 19, 2012 <u>Location/Focus:</u> Sunnyvale East Channel and a portion of Calabazas/San Tomas Aquino Creek, north of Highway 237 crossing</p>	<p>Clean up along banks of local waterways.</p>	<p><u>Number of participants:</u> 32 volunteers and 2 City staff <u>Area cleaned:</u> Approximately 2.5 miles of channel bank and creeks were cleaned <u>Quantities of materials removed:</u> Approximately 885 lbs. of trash and 22.5 lbs. of recyclable materials were removed. An additional 1 cubic yard of illegally dumped material was collected after the event <u>Most common debris items collected:</u> Plastic bottles, Styrofoam pieces, packing material,</p>

		and food/beverage containers and wrappers, single use plastic bags, and cigarette butts <u>Comparison to previous events:</u> This event had a slight decrease in the number of volunteers as in previous years, as well as in the amount of debris collected. Decrease in debris could be due to community awareness and due to these locations have been cleaned on an annual basis over the last several years.
The following separate reports developed by SCVURPPP and other organizations also include information about citizen involvement events conducted during FY 2011-2012: <ul style="list-style-type: none"> • Watershed Watchers: Keeping Our Waterways Clean: FY 2011-2012 Fourth Quarter Report (includes end-of-year Summary from Alviso Education Center) • Going Native Garden Tour 2012- Summary Report These reports are included within the C.7 Public Information and Outreach section of SCVURPPP's FY 2011-2012 Annual Report.		

C.7.h. ► School-Age Children Outreach

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

Program Details	Focus & Short Description	Number of Students/Teachers reached	Evaluation of Effectiveness
Provide the following information: Name Grade or level (elementary/ middle/ high)	Brief description, messages, methods of outreach used	Provide number or participants	Provide agency staff feedback. Report any other evaluation methods used (quiz, teacher feedback etc.). Attach evaluation summary if applicable.
Sunnyvale Community Services Summer Safari Camps Ages 3-5 July 13 & 15, 2012 Three Camps (Serra, Ortega & Las Palmas Parks)	A joint venture between Solid Waste and Outreach staff. The presentation was titled Pollution Solutions and focused on water pollution prevention and recycling.	Approximately 60 children and 12 adults attended the three sessions.	Well received by all. There was an additional class added from the previous year. Requested to return next year for additional programs

Permittee Name: City of Sunnyvale

<p>Community Kidz Camp - Spring Break Session Ages 7-12, broken into two sessions of ages 7-9 and 10-12 April 16, 17 & 20, 2012</p>	<p>Day Camp is sponsored by the City during the spring school break. Through fun games and activities, camp participants learn about living a healthy lifestyle and how they can contribute to the welfare of the community they live in. ESD's program is broken up over three sessions and is titled, Earth Care Kidz.</p> <p>Day 1 presentations focused on the difference between sanitary sewers and storm drains, leading to information about water pollution prevention. In cooperation with Solid Waste staff who also presented recycling information. Day 2 focused on a litter pick-up, a discussion on what was found and playing the bean bag game. On the last day of camp, staff went back and did a wrap up of what was discussed previously. The campers decorated plain canvas bags and completed message blanks and colored posters to show what they had learned from the activities during the week related to conservation, litter, and sustainability actions.</p>	<p>50 campers 10-12 camp instructors / volunteers</p>	<p>The camp learning activities went well. Day 2 brought home the message that they can make a difference and many were adamant about collecting the trash near the storm drains in order to protect our waterways. The campers participated in a mock City Council meeting on Wednesday (day 3), and were asked to voice some important issues that were of concern to them. Many of the youngsters who came to the podium asked the Mayor about doing more to help residents of the city recycle, or to reduce the amount of litter in the city. Our activities were requested to become a permanent part of the camp curriculum. In addition, the City was awarded the statewide award for "Outstanding Stormwater News, Information, Outreach and Media Program" from the California Stormwater Quality Association (CASQA) on September 27, 2011. The award was for the development and implementation of the Earth Care Kidz youth program.</p>
<p>Sunnyvale Library Presentation Grades 1-5 May 8, 2012</p>	<p>A joint venture between Outreach and Library staff. The presentation focused on the difference between sanitary sewers and storm drains, leading to information about water pollution prevention. This was primarily done through youth participation in a discussion and an Enviroscope demonstration. This demo shows how every day activities can "dirty" the water. In addition, we discussed</p>	<p>Approximately 22 children and 9 adults attended.</p>	<p>Very well received by all in attendance. Both the youth and the parents participated in verbal responses when asked "who dirtied the water and whose job is it to protect it?" Several parents came up to ask questions while their children collected heir color and activity sheets and others stopped by on their way out to express their thanks and mentioned that they learned new things as well.</p>

	actions that could be taken to make everyday Earth Day. A variety of color and activity sheets related to water pollution prevention were distributed.		
Judge AP Environmental Science Class Projects High School Students June 1, 2012	Homestead High's Advanced Placement Environmental Science classes work on a community outreach project titled, "Your World." This is a major project in which classes produce a comprehensive campaign that promotes a certain environmental cause. Students were responsible for setting up such events as community outreach, a press conference, a rally, and a fundraiser to make a positive environmental change in their community. This year, there was only one project, and it focused on banning Styrofoam. Outreach staff was asked to sit on a panel of 7 judges from the "real world" of environmental science to evaluate the projects.	Approximately 20 students & 1 teacher	A great opportunity for the students to gain feedback from professionals that will allow them to connect to the larger applications of the knowledge they have gained. In addition, it opens doors for a wide array of conversations related to the presentation. The students did extremely well and were encouraged to continue with their efforts as it had potential to make a "real world" change in the local communities.
Plant Tours School Groups Grades 5-12	Students learn the stages of treatment by viewing the various processes, equipment, and tanks. They also learn the function and importance of the wastewater treatment plant and its role of preventing water pollution from wastewater discharge. Both stormwater pollution issues are discussed as well as the difference between sanitary sewers and storm sewers.	The plant conducted a total of 14 tours (2 were virtual) for school-age students during FY 2011-2012, reaching 466 youth and 84 adult chaperones.	Discussions about water pollution and issues impacting the watershed and the environment help tour attendees gain a better understanding of the problems. By the end of the tour, all participants know the difference between sanitary sewers and storm sewers. At the completion of the tour, attendees are given educational materials that promote environmentally responsible behaviors and have the opportunity to ask questions. Outreach efforts increased the number of youth participating in tours by 145%.
Creek Education Program	Water and Structures of Life. After studying the course in class, students take a creek education trip to	See Cupertino Annual Report for number of students.	See Cupertino Annual Report for evaluation effectiveness.

	<p>McClellan Ranch Park as a supplement to their water studies course and gain knowledge about the importance of watersheds. This program is produced in partnership with the Cupertino School District.</p>		
<p>Classroom Presentations Various Sunnyvale Schools Grades K-8</p>	<p>In our primary school water pollution education program, staff provides a presentation as well as a demonstration on water pollution and prevention. This is done through discussion, student participation, and a demonstration using the Enviroscope or the Who Dirtied the Bay fish bowl demo. Lesson plans vary depending on age of students. Topics include: the forms of water, the water cycle, what a watershed is, how stormwater pollution happens, how to prevent stormwater pollution, how to prevent pollution of aquifers (includes building a model of one in the classroom) and how to conserve water. Younger grades include a reading of the book "All the Way to the Ocean" as a wrap-up of the lesson.</p>	<p>Outreach conducted 65 classroom presentations during FY 2011-2012 reaching approximately 1,586 students and 78 teachers / teacher aides. A breakdown of the various grades can be provided upon request.</p>	<p>Written feedback provided in teacher surveys returned to us after the class presentations indicated that the information presented greatly improved student understanding of storm drains and water pollution caused by human activities. Copies of evaluations received can be provided upon request. . There was a 26% increase in the number of youth reached this school year.</p>
<p>The following separate reports developed by SCVURPPP and other organizations also include information about school-age children outreach efforts conducted during FY 2011-2012:</p> <ul style="list-style-type: none"> – ZunZun School Assemblies for Watershed Watch Campaign- FY 2011-2012 Academic Year Final Report – Memorandum- Evaluation of the School Assembly Program- FY 2011-2012 – Watershed Watchers: Keeping Our Waterways Clean: FY 2011-2012 Fourth Quarter Report (includes end-of-year Summary from Alviso Education Center) <p>These reports are included as within the C.7 Public Information and Outreach section of SCVURPPP's FY 2011-2012 Annual Report.</p>			

Section 8 - Provision C.8 Water Quality Monitoring

C.8 ► Water Quality Monitoring

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

Summary

In cooperation with volunteers from Stevens & Permanente Creeks Watershed Council (SPCWC), the City organized the first World Water Monitoring Day event. See C.7 of this report for additional details.

During FY 2011-2012, the City contributed through SCVURPPP to the BASMAA Regional Monitoring Coalition (RMC). In addition, the City contributed financially to the Regional Monitoring Program for Water Quality in the San Francisco Estuary (RMP) and was represented at RMP committees and work groups. For additional information on monitoring activities conducted by SCVURPPP, BASMAA RMC and the RMP, see the C.8 Water Quality Monitoring section of SCVURPPP's FY 2011-2012 Annual Report.

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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 Used⁶³

Pesticide Category and Specific Pesticide Used	Amount ⁶⁴				
	FY 2009-2010	FY 2010-2011	FY 2011-2012	FY 2012-2013	FY 2013-2014
Organophosphates	0	0	0		
Pyrethroids					
Tempo Cyfluthrin	637.2 oz	54.4 oz	256 oz		
Cy-Kick Cyfluthrin (SMaRT Station contractor)	unknown	0.12 oz	0		
PT 565 XLO/ (SMaRT Station contractor) Pyrethrins Piperonyl butoxide	unknown	0.12 oz 0.12 oz	0 0		
Delta Dust Crack & Crevice Dust Deltamethrin	0.00075 oz	0	0		
Drione Dust Crack & Crevice Dust Pyrethrin Piperonyl butoxide	0.125 oz 0.0125 oz	0 0	0 0		
Spectracide Prallethrin Lambda Cyhalothrin	1.8 oz 0.72 oz	3.5 oz 1.4 oz	0		
PT 565 Pyrethrin d-Transallethrin Piperonyl butoxide n-Octylbicycoheptane dicarboximide	0	0.01 oz 0.01 oz 0.04 oz 0.04 oz	0		
Carbaryl	0	0	0		
Fipronil					

⁶³ Includes all municipal structural and landscape pesticide usage by employees and contractors.

⁶⁴ Weight or volume of the product or preferably its active ingredient, using same units for the product each year.

Max Force Bait Station Fipronil	0.00262 oz	0.0021 oz	0.012 oz		
Termidor Fipronil	0.2912 oz	0	0		
Comment: Tempo (cyfluthrin) was applied at 5 locations around the City in FY 2011-2012 to control spider/insect problems after other IPM control measures were tried and unsuccessful. Measures were taken to minimize the potential impact to stormwater by applying it only under eaves, around doorways or windows and not on hardscape areas that would allow stormwater runoff.					

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.	56
Enter the number of these employees who received training on your IPM policy and IPM standard operating procedures within the last 3 years.	56
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 (See Appendix 9-1 for sample contract specific specifications to follow the City's IPM policy that goes into any contracts for firms providing pest control services).			
<input type="checkbox"/>	Copy(ies) of the contractors' IPM certification(s) or equivalent, OR			
<input type="checkbox"/>	Equivalent documentation.			
If Not attached , explain:				

C.9.e ▶ Track and Participate in Relevant Regulatory Processes

Summarize participation efforts, information submitted, and how regulatory actions were affected OR reference a regional report that summarizes regional participation efforts, information submitted, and how regulatory actions were affected.
Summary: During FY 2011-2012, we participated in regulatory processes related to pesticides through contributions to SCVURPPP, BASMAA and CASQA. For additional information, see the Regional Pollutants of Concern Report submitted by BASMAA on behalf of all MRP Permittees.

C.9.f ▶ Interface with County Agricultural Commissioners			
Did your municipal staff observe any improper pesticide usage or evidence of improper usage (e.g., pesticides in storm drain systems, along street curbs, or in receiving waters) during this fiscal year?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>
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.
<p>Summary:</p> <p>The following separate reports developed by SCVURPPP and BASMAA summarize point of purchase outreach efforts conducted :</p> <ul style="list-style-type: none"> – FY 2011-2012 Store Employee Training Report (SCVURPPP) – FY 2011-2012 Store Employee Training Evaluation Summary (SCVURPPP) – FY 2011-2012 Store Employee Training Status Table (SCVURPPP) – FY 2011-2012 List of Stores in the IPM Store Partnership Program (SCVURPPP) – FY 2011-2012 BASMAA "Our Water, Our World" (OWOW) Report (BASMAA) <p>These reports are included within the C.9 Pesticides Toxicity Control section of SCVURPPP's FY 2011-2012 Annual Report.</p>

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.
<p>Summary:</p> <p>The following separate reports developed by SCVURPPP summarize Public Outreach: Pest Control Operators efforts conducted during FY 2011-2012:</p> <ul style="list-style-type: none"> – FY 2011-2012 Watershed Watch Campaign Final Report – FY 2011-2012 Green Gardener Training Report <p>These reports are included within the C.7 Public Information and Outreach and C.9 Pesticides Toxicity Control sections of SCVURPPP's FY 2011-2012 Annual Report.</p> <p>In addition, City staff continued to support the Green Gardener Program by providing both technical and in-kind assistance to coordinate the Santa Clara Valley Green Gardener classes through the following efforts:</p> <ul style="list-style-type: none"> – Researching and providing supplemental materials regarding IPM for classes in both Spanish and English. – Providing classroom instruction in soils, fertilizers and IPM practices. – Offering free classroom space for the recertification classes that were held in January 2012. <p>In addition to the SCVURPPP efforts, Sunnyvale promoted the Santa Clara Valley Green Gardener classes and the hiring of Green Gardeners at</p>

the Sunnyvale Farmers Market and other venues (see Section C.7 of this report for details) and through internal outreach resources.

**Response to Water Board Staff Comments on Section 9, Provision
C.9, of FY 2010-2011 Annual Report**

The City's FY 2011-2012 Section C.9 was considered Acceptable (A) and Conditionally Acceptable (CA), and no response is needed.

Section 10 - Provision C.10 Trash Load Reduction

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

(For FY 2010-2011 Annual Report only) Provide description of actions/tasks initiated/conducted/completed in developing a Short-Term Trash Loading Reduction Plan (due February 1, 2012).

Description:

The Short –Term Trash Loading Reduction Plan was submitted to the Water Board on February 1, 2012. See the C.10 Trash Load Reduction section of SCVURPPP's FY 2011-2012 Annual Report for information on countywide and regional activities conducted on behalf of co-permittees.

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

(For FY 2010-2011 Annual Report only) Provide description of actions/tasks initiated/conducted/completed to gather trash loading data and in developing a Baseline Trash Load and Trash Load Reduction Tracking Method (due February 1, 2012).

Description:

The Baseline Trash Load and Trash Load Reduction Tracking Method were submitted to the Water Board on February 1, 2012. See the C.10 Trash Load Reduction section of SCVURPPP's FY 2011-2012 Annual Report for information on countywide and regional activities conducted on behalf of co-permittees. Thirteen of the locations used for data gathering in the Baseline Trash Load and Trash Load Reduction Tracking Method were located in Sunnyvale.

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

(For FY 2010-2011 Annual Report and Each Annual Report Thereafter) Provide description of actions/tasks initiated/conducted/completed in implementing Minimum Full Trash Capture Devices (due July 1, 2014) within individual jurisdictions. Include information on Full Trash Capture Devices installed under the Bay-area Wide Trash Capture Demonstration Project administered by San Francisco Estuary Partnership and an estimate of the total land area that is planned for treatment by July 1, 2014.

Description:

A total of 77 trash full-capture treatment devices (Storm Tek, AS-2 inlet screens) were installed in the City of Sunnyvale as of August 18, 2011. In addition, the City has approved installation of 11 large full-trash capture devices (e.g., vortex-separator and continuous deflection-type devices) that treat stormwater from parking lots of new and redevelopment projects starting in 2003. City staff inspects these units on a regular basis for compliance with their stormwater management plans. Of the 11, six have been constructed. The total land area treated by the installed devices is 182.68 acres. The completed installations fulfill the permit requirement Minimum Full Trash Capture of 164 acres for the City of Sunnyvale. The City is currently identifying appropriate sites for additional trash capture devices as part of its overall trash load reduction effort. See the C.10 Trash Load Reduction section of SCVURPPP's FY 2011-2012 Annual Report for information on countywide and regional activities conducted on behalf of co-permittees.

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

(For FY 2010-2011 Annual Report and Each Annual Report Thereafter) Provide volume of material removed from each Trash Hot Spot cleanup, and the dominant types of trash (e.g., glass, plastics, paper) removed and their sources to the extent possible.

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

“Hot Spot Assessments” conducted in FY 2011-2012 are reported below.

Trash Hot Spot	Cleanup Date	Volume of Material Removed (cubic yards)	Dominant Type of Trash	Trash Sources (where possible)
FY 2011-2012				
SNV-01	5/2/2012	0.317	Sports balls, Other, Styrofoam, Bottles (plastic or glass), Spray paint cans, Wood debris, Asphalt	Trash accumulation, Litter
SNV-02	5/1/2012	0.112	Styrofoam, Other, Cigarette butts, Aluminum cans, Convenience/Fast Food items	Trash accumulation, Litter, Other
SNV-03	5/1/2012	0.224	Other, Styrofoam, Bottles (plastic or glass), Paper and cardboard, Convenience/Fast Food items, Wood debris	Trash accumulation, Litter
SNV-04	5/2/2012	0.168	Other, Styrofoam, Bottles (plastic or glass), Sports balls, Convenience/Fast Food items, Wood debris, Tires, Bags of Trash	Trash accumulation, Litter
SNV-05	5/1/2012	0.037	Styrofoam, Bottles (plastic or glass), Sports balls, Convenience/Fast Food items, Paper and cardboard	Trash accumulation, Litter
TOTAL		0.858		

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

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

Description of New or Enhanced Trash Load Reduction Action Implemented in FY 11-12	Estimated Trash Removed in FY 11-12 (Gallons) ⁶⁵	Estimated % Reduction as of FY 11-12	Estimated Dominant Types of Trash Removed in FY 11-12
<p><u>Existing Enhanced Street Sweeping:</u> The City provides street sweeping in the Murphy Avenue core area bounded by Frances Street, Evelyn Avenue, Sunnyvale Avenue, and Washington Avenue. Sweeping and litter pick up services are provided three times per week, and a street cleaning unit for sidewalks is also used weekly. Adjacent city-owned parking lots in this area are part of a special Parking District, and are swept three times per week.</p>	536	1.2%	All Trash Types
<p><u>Public Education and Outreach Programs:</u> The City implemented the following public education and outreach control measures. Additional information is included in section C.7 of this report.</p> <p>Youth Outreach Litter Campaign (Regionwide) In FY 2011-12, BASMAA began implementing the "Be the Street" anti-litter Youth Outreach Campaign. Be the Street takes a community-based social marketing approach to encourage youth to keep their community clean. The intent of the campaign is to make "no-littering" the norm among the target audience (youth between the ages of 14 and 24). The campaign is using online social marketing tools to conduct outreach. Activities in FY 2011-2012 included launching a website, Facebook page and a quarterly e-newsletter. An "anti-littering" video contest was also announced and the winning entry will be promoted on television.</p> <p>Watershed Watch Campaign (Countywide) The Watershed Watch Campaign conducts media advertising that includes anti - litter messages. Anti - litter advertisements for television, print, transit and radio have been developed and are used each year and will continue in the future. A telephone survey is conducted every five years to measure the effectiveness of outreach and increase in awareness about litter and stormwater related messaging.</p>	3,460	7.9%	All Trash Types

⁶⁵ The estimated load removed and percent reduction in FY 11-12 is consistent with assumptions described in the Trash Load Reduction Tracking Method Technical Report (version 1.0) submitted to the Water Board on February 1, 2012. In the future, load reductions reported in Annual Reports may be adjusted based on revisions to the tracking methodology.

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

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Description of New or Enhanced Trash Load Reduction Action Implemented in FY 11-12	Estimated Trash Removed in FY 11-12 (Gallons) ⁶⁵	Estimated % Reduction as of FY 11-12	Estimated Dominant Types of Trash Removed in FY 11-12
<p>Following MRP adoption, the Watershed Watch Campaign developed a set of new anti-littering advertisements. In FY 2011-12, the anti-litter "karma" spot in English was placed on KNTV NBC 11. A 15-second version of the "karma" spot was placed online on www.nbcbayarea.com. The Spanish "karma" spot was placed on Univision KDTV 14 and Telefuturo KFSF 66. Litter messages and litter-prevention tips ran on KBAY and KEZR radio. Interviews on KDTV and KFSF promoted litter prevention and National River Cleanup Day. A new Watershed Watch segment that ran on the KNTV Class Action program included an educational video on Creek Cleanups and the impact of litter on local creeks and the Bay. Overall, the Watershed Watch Campaign media advertising included 2,262 anti-littering spots. These included 206 television placements (advertisements, educational videos and interviews), 44 radio ads and PSAs, one print advertisement, and 2,011 web visits to online advertisements.</p> <p>Advertising Campaign (Local)</p> <p>The City will continue its own local advertising campaigns and efforts to reduce litter with messages such as "Protect our Waterways – Please Don't Litter" and "If It Flows Down the Street, It Ends Up in the Creek," which are part of the Utility Bill inserts, Bus-Back advertising, and local Theater screen advertising.</p> <p>Outreach to School-age Children or Youth</p> <p><i>ZunZun (Countywide)</i></p> <p>As part of SCVURPPP, the City funds up to 50 ZunZun musical assemblies at elementary schools in the Santa Clara Valley each year. These bilingual musical assemblies educate elementary school students and their teachers on watersheds and urban runoff pollution prevention, including litter. ZunZun performances use physical comedy, audience participation and musical instruments to educate teachers and children. Handouts, including teacher and student activity sheets, are distributed following the assembly. The SCVURPPP Schools and Youth Education and Outreach Work Group provides a list of schools for ZunZun to contact. In addition to schools with high Hispanic populations, the list includes schools with high Asian/Pacific Islander populations.</p>			

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

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Description of New or Enhanced Trash Load Reduction Action Implemented in FY 11-12	Estimated Trash Removed in FY 11-12 (Gallons) ⁶⁵	Estimated % Reduction as of FY 11-12	Estimated Dominant Types of Trash Removed in FY 11-12
<p>In FY 2011-2012, ZunZun conducted 48 assemblies at elementary schools in Santa Clara Valley. In addition, two assemblies were conducted at the Pumpkins in the Park event. The assemblies reached approximately 13,003 students and their teachers in grades K-6. The Program received completed evaluation cards from 184 teachers. Overall, the feedback has been very positive and indicates an increase in the students' knowledge about watersheds and pollution prevention, including litter prevention.</p> <p>Outreach to School-age Children or Youth (Local)</p> <p>The City plans to continue to implement Sunnyvale's school and youth outreach program where City staff schedule and provide stormwater pollution prevention presentations in kindergarten through 5th grade classrooms. The presentations include litter pollution prevention as an important element of the lesson. In FY 2011-2012, 1586 students received classroom presentations. The activities include the use of the Enviroscape Model (with litter as one of the pollutants of concern and samples of water taken from the area around the Pacific "garbage patch" are shown and discussed) or a hands-on activity called "Who Dirtied the Bay" is provided. Teachers are provided with presentation evaluation forms and that feedback is tabulated and reported annually.</p> <p>Media Relations</p> <p>Through participation and funding of the BASMAA Regional Media Relations Project, the City plans to continue to implement a media relations project partially designed to reduce littering from target audiences in the Bay Area. The goal of the BASMAA Media Relations Project is to generate media coverage that encourages individuals to adopt behavior changes to prevent water pollution, including littering. At least two press releases or PSAs focus on litter issues each year (e.g., creek clean-up activities, preventing litter by using reusable containers, etc.).</p> <p>The City also makes extensive use of free media to focus on litter reduction and clean-up activities for local participation. City Environmental Outreach prepares messages for the Sunnyvale Quarterly (sent to all residents and businesses either electronically or by hard copy), electronic message boards in the Library and Public</p>			

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

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<p>Safety and on the City's website. Public Service Announcements for local litter clean up events were picked up by KLIV and KRTY with information on the events and how to participate. The Sunnyvale Community/Neighborhood Association E-news, the Community Cable TV, KSUN, the City's online Community Calendar, Yahoo Groups and Yahoo Upcoming Events Calendar, Mercury News upcoming events calendar, and the City's Twitter account are all used to promote upcoming litter cleanup activities and events.</p> <p>Community Outreach Events</p> <p>City Environmental Outreach staff reaches the community as a whole through a number of annual events such as the State of the City and, presentations through the speaker's bureau to community service groups, neighborhood groups, and business groups. In FY 2011-2012, the City staff attended sixteen community events and made presentations about litter issues and litter pollution prevention. Staff will be implementing additional effectiveness measurements. Example of measurements include things like documenting additional requests for information, setting up local litter prevention actions (e.g., clean ups), or to take action requesting a "give-away", such as a reusable bag.</p> <p>The City participates in three regional litter clean-up events like the Great America Little Pickup, Knock Out Litter and Keep America Beautiful events and promotes participation through paid-local newspaper advertising, flyers/posters, and free electronic media. The events are collaborative and rely on volunteer participation. In FY 2011-2012 the City began making presentations to and working with local faith-based groups, schools, clubs, and neighborhood associations to provide information on how they can reduce litter by encouraging groups to hold neighborhood litter clean up events. Staff will be able to evaluate the effectiveness of these outreach presentations by the number of groups who actually schedule a local litter pick-up event, where the City provides bags, gloves, and a location to properly dispose of the litter, and tracks the quantity of litter collected.</p>			

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

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Description of New or Enhanced Trash Load Reduction Action Implemented in FY 11-12	Estimated Trash Removed in FY 11-12 (Gallons) ⁶⁵	Estimated % Reduction as of FY 11-12	Estimated Dominant Types of Trash Removed in FY 11-12
<p><u>Activities to Reduce Trash from Uncovered Loads:</u></p> <p>The City revised SMC 8.16 (Solid Waste Management and Recycling) of the City's Municipal Code to implement the following enhanced control measures, effective December 1, 2011.</p> <p><u>SMC 8.16.190 Vehicles, conveyances, and containers - Applicable Regulations</u> has been amended to include that:</p> <p>(a) All vehicles, conveyances, or containers used for hauling solid waste within the City shall be of such construction as to comply with all laws, rules, and regulations of the state of California pertaining thereto, and shall be of a type and construction to prevent leakage, spillage, or overflow. This ordinance is intended to implement the requirements of Vehicle Code section 23114 or its successor statute.</p> <p>and</p> <p>(b) Any operator of an open bed truck hauling waste and recyclables for disposal at the SMaRT Station will be subject to a fee for which the operator will receive a tarp to be used for covering debris and solid waste.</p> <p>The fee as established by resolution of the City Council for the truck tarp is currently set at \$15.00.</p> <p>Ordinance revisions reinforce State of California requirements for municipal trash haulers to cover loads. A required payment of a fee for a tarp, if a load is uncovered, is enforced.</p> <p>The City has prescriptive language in municipal contracts for debris and garbage haulers. Per requirements of the contract (5.12 and 5.14), haulers are required to have collection vehicles to have water-tight bodies and that the contractor places tarps over all open debris boxes during transport to the disposal site. (See Appendix 10-1 for official municipal code citation)</p> <p>Beginning December 2011, the City began implementing the uncovered loads ordinance and selling tarps at the SMaRT Station to vehicles that were not in compliance. Between December 1, 2011 and June 30, 2012, the City sold 779 tarps. The compliance rate based on transactions was 84.8% in December 2011, rising to a</p>	<p>2,163</p>	<p>4.9%</p>	<p>All Trash Types</p>

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

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Description of New or Enhanced Trash Load Reduction Action Implemented in FY 11-12	Estimated Trash Removed in FY 11-12 (Gallons) ⁶⁵	Estimated % Reduction as of FY 11-12	Estimated Dominant Types of Trash Removed in FY 11-12
compliance rate of 99.5% in June 2012. The average compliance rate between December 2011 and June 2012 was 94.1% based on 17,911 transactions.			
<p><u>Single-Use Carryout Bag Policies:</u></p> <p>The City adopted an ordinance prohibiting the distribution of single-use plastic carryout bags on December 13, 2011 (SMC 5.38 - Plastic Carryout Bags). The SMC 5.38 includes the following criteria and elements applied to the following retail establishments on June 20, 2012:</p> <ul style="list-style-type: none"> o Full-line self-service retail store with gross annual sales of two million dollars or more that sells a line of dry grocery, canned goods or non-food items and some perishable items; o Store of at least 10,000 square feet of retail space that sells any perishable or non-perishable goods, including but not limited to: clothing, food, or personal items and generates sales or use tax; or o Drug store, pharmacy, supermarket, grocery store, convenience food store, food mart or other entity engaged in the retail sale of a limited line of goods that includes milk, bread, soda, and snack foods, including those stores with a Type 20 or 21 license issued by the Department of Alcoholic Beverage Control. o None of these retail establishments shall provide any customer a plastic carry-out bag for groceries at the point of sale. The ordinance does not apply to plastic produce bags or product bags. o Store shall make only recyclable paper bags or reusable bags (as defined) available for the purpose of carrying away goods or other materials from the point of sale. Stores that provide customers with a recyclable paper carry-out bag must charge the customer \$0.10 per bag, with stores indicating on the customer receipt the number of bags provided and total amount charged. After January 1, 2014, the charge to customers will go up to \$0.25 per bag. Stores may not reimburse customers for any portion of the cost of a bag. 	4,325	10%	Single Use Plastic Carryout Bags

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<ul style="list-style-type: none"> o Stores must provide at the point of sale, free of charge either reusable bags or paper carryout bags or both (at the store's option) to any customer participating in the California Special Supplemental Food Program for Women, Infants, and Children, pursuant to specific chapters within the Health and Safety Code. o The ordinance does not apply to charitable organizations that reuse and recycle donated goods or materials and receive more than fifty percent of revenues from the handling and sale of those donated goods or materials. <p>On March 20, 2013, the ordinance will apply to all establishments under the following criteria:</p> <ul style="list-style-type: none"> o Store of less than 10,000 square feet of retail space that sells any perishable or non-perishable goods including, but not limited to, clothing, food, or personal items, and generates sales or use tax pursuant to the Bradley-Burns Uniform Local Sales and Use Tax Law. <p>The City is monitoring the effectiveness of the ordinance by requiring stores to report on a quarterly basis to the Environmental Services Department on the number of bags sold, the amount of monies collected, and any efforts the store has taken to promote the use of reusable bags by customers. If reports are not received, then enforcement measures as outlined in SMC 5.38.080 (Enforcement and violation penalty) will be implemented and the store will be subject to fines as described in that chapter. The Director of the Environmental Services Department or his/her designee is responsible for enforcing the requirements of SMC 5.38. This includes investigating violations, issuing fines, and entering any store during business hours. Written warning notices will be issued for violations of the ordinance, with penalties payable by the operator of the store to the Solid Waste Management Fund, to assist with the costs of implementing and enforcing the requirements of the chapter. (See Appendix 10-2 for official Municipal Code citation language)</p> <p>The City has conducted robust outreach to implement Phase 1 of the ordinance. This included significant direct contact with businesses subject to the ordinance on June 20, 2012. Staff conducted approximately 135 of these "Knock 'N' Talks" prior to</p>			

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

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

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<p>the ordinance going into effect. On June 20, 2012, Phase I of the Single-Use Carryout Bag Ordinance went into effect for 125 businesses. Staff has conducted approximately 25 compliance inspections since the ordinance went into effect. Four businesses were determined to be noncompliant. As a result of follow-up action, one of the four businesses has achieved compliance. Staff continues to work with businesses to achieve voluntary compliance; however, enforcement action will be taken when appropriate. When Phase 2 is implemented on March 20, 2013, approximately 450 businesses will be covered by the ordinance.</p> <p>The City has previously initiated public outreach and educational efforts to encourage the use of reusable bags by residents through its website and other printed media. Enhancements and additional outreach efforts to educate the public, with a focus on making behavioral changes will continue to be implemented to. The City continues to work directly with retail establishments to provide low-cost reusable bags, assisting with signage to remind patrons to bring their own bags, and encourage the use of free or low-cost media options to promote reusable bag usage.</p> <p>The estimated percent reduction as of FY 2011-12 is based upon the level of implementation of the plastic bag ban ordinance. The 12% credit possible for this provision is based on three levels of implementation. The City has implemented two of the three levels necessary to apply a 10% reduction credit for this provision. The full reduction credit will be applied when the third level, application of the ordinance to all retail establishments (excluding restaurants), is in effect.</p>			

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

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<p><u>Improved Trash Bins/Container Management:</u> The City has implemented the following improved trash bin/container management practices to ensure adequate private trash service: Solid Waste Division staff continues to enforce the requirements of SMC 8.16.040 and .050 to ensure that businesses and households have sufficient trash collection frequencies and that the trash bins/containers are of an adequate size to hold the quantity of trash generated to prevent unintended releases of trash. The City will continue to include language in its contract with its franchised waste hauler to allow City staff to go out with drivers on their routes and identify problematic properties. The contract also includes requirements for ensuring container lids are properly closed after emptying and for cleaning up litter in the vicinity of any solid waste storage bins. Solid Waste Program staff will continue with follow up and enforcement with property owners where bin sizing, placement, collection frequency, and failures to comply with municipal code are noted.</p>	1,354	3.1%	All Trash Types
<p><u>Polystyrene Foam Food Service Ware Policy</u> The City's Environmental Procurement Policy (EPP) requires staff to consider the long-term environmental impacts of purchasing any materials, products, or services, and specifically requires the use of non-Expanded Polystyrene (EPS) alternatives for cups and food service items. The policy prohibits the purchase and use of EPS food service ware at City-sponsored events and on City-owned property. City Solid Waste Division staff review applications for City event permits and include requirements to follow the City's EPP Policy. Enforcement of the policy is done by the Solid Waste Division.</p>	865	2%	Expanded Polystyrene Containers
<p><u>On-land Trash Cleanups:</u> The City implemented minimal on-land cleanup activities prior to the effective date of the MRP. These cleanup events are considered baseline because they were accounted for in the preliminary trash generation rates established through the BASMAA <i>Baseline Trash Generation Rates Project</i>. The actions listed below are</p>	2,083	4.8%	All Trash Types

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

Description of New or Enhanced Trash Load Reduction Action Implemented in FY 11-12	Estimated Trash Removed in FY 11-12 (Gallons) ⁶⁵	Estimated % Reduction as of FY 11-12	Estimated Dominant Types of Trash Removed in FY 11-12
<p>considered enhanced actions because they began after the effective date of the MRP.</p> <p>The City conducted the on-land trash cleanups listed below. These on-land cleanups constitute enhanced actions and will be conducted or coordinated each year and the volume of trash removed will be tracked to demonstrate trash loads reduced.</p> <ul style="list-style-type: none"> – Sponsored the “Knock out Litter” event held by local faith-based groups and a youth boxing club. – Conducted an event for the “Great American Litter Pickup.” This was a collaborative event organized by the City and conducted by volunteers. Three sites were selected and cleaned. 			
<p><u>Full-Capture Treatment Devices:</u></p> <p>A total of 77 trash full-capture treatment devices (Storm Tek, AS-2 inlet screens) were installed in the City as of August 18, 2011.</p> <p>The City approved installation of 11 large full-trash capture devices (e.g., vortex-separator and continuous deflection-type devices) that treat stormwater from parking lots of new and redevelopment projects starting in 2003. City staff inspects these units on a regular basis for compliance with their stormwater management plans. Of the 11, six have been constructed.</p> <p>Routine maintenance occurs on the units between July and October each year. Each unit is cleaned no less than once per year and, depending on inspection results, may be cleaned more frequently throughout the year.</p>	1,192	2.6%	All Trash Types

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

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

Description of New or Enhanced Trash Load Reduction Action Implemented in FY 11-12	Estimated Trash Removed in FY 11-12 (Gallons) ⁶⁵	Estimated % Reduction as of FY 11-12	Estimated Dominant Types of Trash Removed in FY 11-12
<p><u>Creek/Channel/Shoreline Cleanups:</u> The City conducted the following creek/channel/shoreline cleanups listed below. – National River Clean Up Day This was a three hour (9 am – 12 pm) collaborative event organized by the City and completed with volunteer support. Approximately 2.5 miles were cleaned during the event. – Coastal Clean Up Day This was a three hour (9 am – 12 pm) collaborative event organized by the City and completed with volunteer support on the third Saturday of September. Approximately 2.2 miles were cleaned during the event. The City has sponsored cleanup sites for these events since 2008, and will continue to do so in the future. – “Hot Spot” Clean Ups City staff has performed the five trash hot spot clean up actions required in accordance with provision C.10.b (see section C.10.b) since May 2010. The hot spot clean ups will continue to occur through the course of this permit.</p>	1,575	3.6%	All Trash Types
Preliminary Estimate of Trash Load Removed (Gallons) in FY 2011-12	17,553		
Preliminary Baseline Trash Load Estimate (Gallons)	43,786		
Total Percentage Reduction as of FY 2011-12 (Compared to Baseline Trash Load)	40.1%		

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).

SCVURPPP's 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.

In addition, the City completed the following activities:

- Promotion: City website has a plethora on information on HHW recycling options at Recycling.inSunnyvale.com. In addition, the City provided outreach to residents on proper mercury-containing product disposal via: bi-monthly events (February to November) at the Farmer's Market, newsletter articles, utility bill inserts, flyers, health & safety fairs, and other outreach events. See Section C.7 for complete details of outreach activities promoting mercury-containing product recycling.
- Program Services: The City continues financial support of the Santa Clara County Household Hazardous Waste collection program through the Solid Waste Division. In addition, the City provides to the program a facility for household hazardous waste drop-off events.

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.

HHW events are held the third Saturday of the month (January to November) in the City. Data on quantities of mercury containing products collected by the County HHW program are provided to SCVURPPP for reporting on a countywide basis. The City held three mercury thermometer exchange events during FY 2011-2012. A total of 96 mercury thermometers were collected at the events and sent to County HHW for proper disposal.

The City also collected the following mercury-containing products at the SMaRT Station[®] Recycling Center from residents of the cities of Sunnyvale, Mountain View, and Palo Alto:

- Mercury containing items: 114 lbs.
- 4'tubes: 11,048
- 8' tubes: 901
- Compact, circular, and u-tube lamps: 9,877
- HID/Arc lamps: 100
- UV lamps: 5

The City continues to collect and recycle mercury-containing products generated by city-owned facilities and operations (e.g., fluorescent/HID lamps, mercury switches).

Please refer to SCVURPPP's FY 2011-2012 Annual Report for an estimate of the mass of mercury collected through collection and recycling efforts in SCVURPPP's area.

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

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

Summary

A summary of Program and regional accomplishments for these sub-provisions are included in the C.11 Mercury Controls section of SCVURPPP's FY 2011-2012 Annual Report and/or the BASMAA Regional POC Report.

Section 12 - Provision C.12 PCBs Controls

C.12.a.ii,iii ▶ Ongoing Training

(For FY 2010-2011 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 2011-2012 SCVURPPP Annual Report for a description of training provided countywide and/or regionally. The City includes PCB identification, including documentation and referral to appropriate regulatory agencies as part of every Industrial Commercial Stormwater Inspection performed. During the reporting year, there were no PCBs identified or reported. Please refer to section C4 for more information on Industrial and Commercial Inspections.

- 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 SCVURPPP and regional accomplishments for these sub-provisions are included within the C.12 PCB Controls section of SCVURPPP's FY 2011-2012 Annual Report and/or the BASMAA Regional POC Report.

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Section 13 - Provision C.13 Copper Controls

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

(For FY 2010-2011 Annual Report only) Do you have adequate legal authority to prohibit discharge of wastewater to storm drains generated from the installation, cleaning, treating, and washing of the surface of copper architectural features, including copper roofs to storm drains?

X	Yes		No
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If **No**, explain and provide schedule for obtaining authority within 1 year.

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

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

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

SCVURPPP developed a brochure titled "Requirements for Copper Roofs and Other Architectural Copper," which is available at the City's One Stop Permit counter. The brochure contains BMPs to educate installers and operators in preventing prohibited discharges during installation and post construction maintenance activities. Sunnyvale Municipal Code section 12.60.230 gives the City authority to require minimum Best Management Practices as appropriate to prevent pollutant sources from entering the city's storm drain collection system that have a reasonable potential to contribute to pollution of stormwater runoff. Sunnyvale Municipal Code section 12.60.075 prohibits wastewater discharges to the storm drain containing copper or copper-based chemicals, including discharges of wastewater generated during the installation, cleaning, treating, and washing of copper architectural features, including copper roofs. The City has authority to enforce against discharge violations resulting from the cleaning and treating of copper architectural features, and relies on identifying these potential discharges through complaint based notification.

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

(For FY10-11 Annual Report only) Do you have adequate legal authority to prohibit discharges to storm drains from pools, spas, and fountains that contain copper-based chemicals?

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

C.13.c ► Vehicle Brake Pads

Reported in a separate regional report.

A summary of the Program's participation with the Brake Pad Partnership (BPP) is included within the C.13 Copper Controls section of Program's FY 2011-2012 Annual Report and/or the BASMAA Regional POC Report.

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

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

Summary

- The City has identified facilities likely to use or have sources of copper and has included them in our business inspection plans. The City identified 14 Industrial Users (IUs) classified under 40CFR 433 as Metal Finishers as potential contributing sources of copper. These IUs are inspected, at a minimum, annually under the Pretreatment Program. Other Permitted Significant Industrial Users are also inspected annually and include inspection procedures to identify potential copper sources, mainly from roof runoff sources. The potential commercial contributors of copper to the sanitary sewer system include automotive service facilities, building materials, building trades / yards, electronic, laboratory, machine shop, vehicle salvage, metal / other recyclers, printers and food service facilities. These commercial business categories are inspected by the City's Environmental Compliance inspectors a minimum of once every three years.
- In FY 2011-2012, 554 stormwater inspections were conducted at the facilities identified in the above mentioned categories. Any violations were responded to consistent with the City's Enforcement Response Plan. The number of facilities inspected in various business categories is summarized below:

o Automotive	62
o Building Materials	4
o Building Trades/Yards	9
o Electronic	15
o Food Service	395
o Laboratories	14
o Permitted SIUs	55
- In FY 2009-2010, inspector training materials were developed through in-kind contributions of SCVURPPP to BASMAA. Training materials can be found in the BASMAA Regional POC Report. In July 2010 and May 2011, inspectors were trained on industrial facilities likely to use copper or have sources of copper and proper BMPs for them. Additional training is planned for FY 2012-2013 as a refresher.
- The City has educational BMP material available for distribution to the above-listed commercial business identified as potential sources of copper. The materials include information on ensuring proper BMPs are in place to minimize discharge of copper to storm drains, including consideration of roof runoff that might accumulate copper deposits from ventilation systems. The BMP material is distributed as needed during inspections to the above mentioned categories of facilities.

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

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

Summary

A summary of SCVURPPP and/or regional efforts to develop regional studies to reduce copper pollutant impact uncertainties is included within the C.13 Copper Controls section of SCVURPPP's FY 2011-2012 Annual Report and/or BASMAA Regional POC Report.

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

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

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

Summary

A summary of SCVURPPP and regional efforts related to the Control Program for PBDEs, Legacy Pesticides and Selenium is included within the C.14 PBDE, Legacy Pesticides and Selenium section of SCVURPPP's FY 2011-2012 Annual Report and/or BASMAA Regional POC Report.

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

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

Is your agency a water purveyor?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
If 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: The City participated in the SCVURPPP Water Utility AHTG and the special field study conducted as reported in the SCVURPPP FY 2011-2012 Annual Report Section for Provision C.15. Refer to Attachment 15-1 for Reporting Table C.15.b.iii.(1) ► Planned Discharges of the Potable Water System. This table includes a column for flow rate in gallons/minute in addition to the required gallons/day column. Table C.15.b.iii.(2) ► Unplanned Discharges of the Potable Water System is included below.				

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: <ul style="list-style-type: none"> • Promote conservation programs • Promote outreach for less toxic pest control and landscape management • Promote use of drought tolerant and native vegetation • Promote outreach messages to encourage appropriate watering/irrigation practices • Implement Illicit Discharge Enforcement Response Plan for ongoing, large volume landscape irrigation runoff.
Summary: The City promotes the measures listed above in the following ways: <ul style="list-style-type: none"> – The City conducts outreach for water conservation, less-toxic pest control and landscape management; promotes the use of drought tolerant and native vegetation and encourages appropriate irrigation practices in various ways: <ul style="list-style-type: none"> o Community events and workshops o Tabling at the Farmers Market and Health and Safety Fairs o Tours of the Water Pollution Control Plant o Classroom presentations o For details, see section C.7 of this report. – The City promotes conservation and provides information and outreach through:

Permittee Name: City of Sunnyvale

- o Community meetings
- o Quarterly newsletters
- o Utility bill inserts
- o Flyers
- o Direct outreach at public and private (e.g., businesses or speaker's bureau) events
- o For details, see section C.7 of this report.
- The City has developed multiple web pages dedicated to:
 - o Environmental outreach (wpcp.inSunnyvale.com)
 - o Water conservation (WaterConservation.inSunnyvale.com)
 - o Environmental sustainability (Green.inSunnyvale.com)
- In cooperation with SCVURPPP, the City conducts outreach to residents and businesses for less-toxic pest control options and appropriate irrigation practices. See the Watershed Watch Campaign in the C.7 Public Information and Outreach section. Also, see the BASMAA IPM Store Partnership Program information and Green Gardener Training programs in the C.9 Pesticide Toxicity Control Section of the SCVURPPP's FY 2011-2012 Annual Report. City-specific outreach information and messages are included in section C.7 of this report.
- See section C.9.h.vi of this report for more detailed information on the City's support of the Green Gardener training program and the Integrated Pest Management, water conservation, and irrigation practices that are included in it.
- In April 2010, the City adopted a Water-Efficient Landscape Ordinance to meet the requirements of the State Department of Water Resources (DWR) model ordinance to meet a 20% reduction in water usage. The City's requirement exceeds that of the DWR model by applying requirements to a smaller lot size threshold and placing a limit on turf areas (not to exceed 25% of non-turf areas) or requiring implementation of a water-budget approach to design landscapes. See Chapter 19.12 of the Sunnyvale Municipal Code for the complete ordinance. The ordinance promotes the use of drought-tolerant vegetation, of which many varieties are natives. The City continued with the implementation of these requirements in FY 2011-2012.
- The City actively promotes and provides outreach to residents and businesses through water conservation programs and rebates administered by the Santa Clara Valley Water District. Programs include:
 - o Landscape Rebates- Eligibility requirements include lawn replacement with California native and drought tolerant landscaping.
 - o Irrigation Equipment Upgrade Rebates- Eligibility requirements include the requirement to install low water using equipment and pressure compensating and check valves.
- The City has partnered with the Bay Area Water Supply and Conservation Agency (BAWSCA) for over four years to provide a landscape education series that focus on:
 - o Drought tolerant and low water use plants
 - o Water efficient ,edible landscaping
 - o Turf replacement
 - o Efficient irrigation technologies
 - o California native plants
 - o Hands-on model landscape
- During FY 2011-2012, the City hosted 11 classes which were attended by 177 individuals. At each class, informational handouts are provided

including many BASMAA materials such as the various "Less Toxic Pest Management" fact sheets and less toxic products pocket guides.

- The City implements the Illicit Discharge Enforcement Response Plan from C.5.b for ongoing, large-volume, landscape irrigation runoff. In particular, if the runoff contains sediment, or is causing erosion, enforcement is conducted. There were no reports of or responses to large-volume landscape irrigation discharges during the reporting period.

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 Turbidity⁶⁶ (NTU)	Implemented BMPs & Corrective Actions
Refer to Attachment 15-1 – Planned Discharges of the Potable Water System										

⁶⁶ Monitor the receiving water for turbidity if necessary and feasible. Include data in this column if available.

C.15.b.iii.(2) ► Unplanned Discharges of the Potable Water System⁶⁷														
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)⁶⁸	pH (standard units)⁶⁸	Discharge Turbidity (Visual)⁶⁸	Implemented BMPs & Corrective Actions	Time of discharge discovery	Regulatory Agency Notification Time⁶⁹	Inspector arrival time	Responding crew arrival time
Refer to Attachment 15-2 – Unplanned Discharges of the Potable Water System														

⁶⁷ This table contains all of the unplanned discharges that occurred in this FY.

⁶⁸ 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.

⁶⁹ 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.

Appendices - Table of Contents

Section	Page
Section 4 – Provision C.4 Industrial and Commercial Site	
Appendix 4-1: C.4.b.iii (1) Potential Facilities List.....	4-1-1
Appendix 4-2: C.4.b.iii (2) Facilities Scheduled for Inspection.....	4-2-1
Section 5 – Provision C.5 Illicit Discharge Detection and Elimination	
Appendix 5-1: C.5.e.iii Evaluation of Collection System Screening Program	5-1-1
Outfall Inspections	
Section 9 – Provision C.9 Pesticides Toxicity Controls	
Appendix 9-1: C9.d Sample Contract Language Requiring Contractors to.....	9-1-1
Follow City's IPM Policy	
Section 10 – Provision C.10 Trash Load Reduction	
Appendix 10-1: C.10.d Summary of Trash Reduction Actions and Loads Reduced.....	10-1-1
Uncovered Load Municipal Code	
Appendix 10-2: C.10.d Summary of Trash Reduction Actions and Loads Reduced.....	10-2-1
Plastic carryout Bags Municipal Code	
Section 15 – Provision C.15 Exempted and Conditionally Exempted Discharges	
Appendix 15-1: C.15.B.iii (1) Planned Discharges of the Potable Water System.....	15-1-1
Appendix 15-2: C.15.B.iii (2) Unplanned Discharges of the Potable Water System	15-2-1

FY 2011-2012 Annual Report
Permittee Name: City of Sunnyvale

Section 4
Provision C.4 Industrial and Commercial Site Controls

Appendix 4-1: C.4.b.iii (1) Potential Facilities List
Sunnyvale Commercial Database: List of Facilities for Inspection Plan

**Appendix 4-1: C.4.b.iii.(1) ► Potential Facilities List
FY 2011-2012 Annual Report**

CompanyName	Address1	Address2
888 Auto Corporation	710	El Camino Real E.
A & H AUTO WRECKER	295	Commercial Street
A & J Product Solutions	1245	Birchwood Ave.
a slice of New York	1253	W. ElCamino
A-1 Machine MFG, Inc.	1127	Sonora Ct.
A-1 Performance	771	Mathilda Avenue North
AAA Speedy Smog	135	Wolfe Road N.
AAMCO Transmission #25037	968	Evelyn Avenue West
ABC DRY CLEAN	641	Bernardo Ave.
Access Options Incorporated	1253	Birchwood Dr.
Acellent Technologies	835	Stewart Dr.
ACT (Advanced Chemical Transport)	1210	Elko Dr.
Acta Pharmacal Co.	380	Pastoria Avenue North
Active Auto Body	1281	Forgewood Dr.
Adamsons Wood Fired Oven French Dip	806	W El Camino
ADDS Pharmaceuticals LLC	1278	Reamwood Ave.
Advanced Auto Repair	912	Evelyn Avenue West
Advanced Micro Devices	1	AMD Place
Advanced Micro Devices (FASL, LLC.) Cafeteria	991	Stewart Drive
ADVANCED PHOTO CIRCUITS	1270	Lawrence Station Rd.
Aeroflex / Metelics	975	Stewart Drive
AFGHANI HOUSE RESTAURANT	1103	El Camino Real E.
Agape Grill	845	Stewart
Aixtron Genus, Inc.	1139	Karlstad Dr.
AL-CON AUTOMOTIVE	279	Fair Oaks Dr. N.
ALLEGRIA	233	Weddell Drive
Allvia, Inc.	657	Pastoria Avenue North
Alpha & Omega Semiconductor	475	Oakmead Semiconductor
Alphagraphics	1294	Anvilwood Avenue
Alta Devices, Inc.	545	Oakmead Parkway
American European Auto Clinic	105	Maude Avenue East
AMERICAN PEPTIDE	777	Evelyn Avenue E.
AMPRO PLASTIC PRODUCTS	1228	Alderwood Avenue
Anchor Auto Body and Frame	1028	Evelyn Avenue West
Andhra Bhavan Indian Cuisine	151	El Camino Read E.
Angela's Dry Cleaning	110	Fremont Avenue E.
Angela's Residential Home Care	578	Mathilda Avenue North
Annapurna Snacks	1112	Elko Dr.
Applied Chemical Laboratories, Inc.	526	Almanor Avenue
Applied Materials, Inc.	974	Arques Avenue East
Applied Materials, Inc. Arques Café	974	Arques Avenue East
Applied Micro	215	Moffett Park
Aptus Endosystems	777	Pastoria Avenue North
AQT Solar, Inc.	1145	Sonora Court

CompanyName	Address1	Address2
Aqua Enterprise Pool Service	1012	Bluebonnet Dr.
Aqua Metrology Systems	1225	E. Arques Ave
ARA AUTOMATED FINISHING	1286	Anvilwood Avenue
Arby's	601	Bernardo Avenue S.
ARCO AM/PM SILICON MINIMART	860	Fremont Avenue W.
Ariake Sushi Boat	759	El Camino Real E.
ARK Diagnostics	1190	Bordeaux
Arka	725	S. Fair Oaks Ave
ARMADILLO WILLY'S BBQ	161	El Camino Real E.
Armenian Gourmet	929	Duane Avenue E.
ARMSTRONG TECHNOLOGY INC	1271	Anvilwood Avenue
ARROYO ANIMAL CLINIC	1211	Sycamore Tree
Art Institute of California - Sunnyvale	1120	Kifer Road
Art Stange Foreign & Domestic Car Service	822	Evelyn Avenue West
Artificial Muscle, Inc.	749	Mary Avenue North
ARTIST WORKSHOP	627	Taylor Ave. E.
ARVI MANUFACTURING CO	1256	Birchwood Dr.
Asia Village Restaurant	747	Wolfe Road S.
Asteria Grill	507	Ross Drive
AT & T West Corp Yard	1188	Evelyn Avenue West
Athidhi Indian Cuisine	727	Wolfe Road S.
Atria Senior Living Group	175	E Remington Dr
Auto Champs	771	Mathilda Avenue North
Auto Collision Experts	908	Arques Ave.
AUTO TECHNICA	665	El Camino Real E.
Avantec Vascular Corp.	605	West California
Avantis Medical Systems	263	Santa Ana Court
Avion Research Company	265	Sobrante Way
B2 Perfection Body Shop	150	Wolfe Road
Back Care Specialists	505	Pastoria Avenue South
Bagel Place Café	546	Lawrence Expwy
Bagel Street Café	348	Maude Avenue West
Baja Fresh Mexican Grill #288	701	Sunnyvale Avenue
BARN THAI	921	Duane Avenue E.
BARNES, WM G & SON COMPANY	1146	Sonora Ct.
Bavarian Enterprises	205	Washington Avenue E.
Bay Area Geotechnical Group (BAGG)	847	Maude Avenue West
Bay Graphics (Intermedia Productions)	1190	Miraloma Way
Bay Leaf	122	Sunnyvale Avenue S.
BAY MICROFILM (BMI)	1115	Arques Avenue E.
Bay Sushi Japanese Restaurant	1647	Hollenbeck Road
Bayer Healthcare (Diabetes Div.)	510	Oakmead Parkway
Bayshore 76- Fair Oaks Auto Repair	801	Fair Oaks Avenue N.
BEAN SCENE GOURMET COFFEE & TEA, THE	186	Murphy Ave. S.
BELL PLAZA CHIROPRACTIC	1052	El Camino Real E.
Bella's Bar & Grill	1111	Elko Dr.
Bengali Sweets Café	783	E. El Camino Real

CompanyName	Address1	Address2
Berkeley Farms	1276	Reamwood
Beryl's Place	1250	Oakmead Parkway
BETTER BENTO	550	Lakeside Drive
BETTY BRITE CLEANERS	631	Grape Ave.
Bhavika's Food-to-Go	1053	El Camino Real E.
Bistro Mozart	168	Murphy Ave. S.
Black Angus	740	El Camino Real E.
Bloom energy	1252	Orleans Dr.
Blue Bonnet Sports Bar	208	Fair Oaks Avenue S.
BMB MOTORS	1297	El Camino Real W.
BOB'S AUTO SUPPLY	124	Carroll Street
Bogarts	1209	Wildwood Avenue
Bon Chon	572	El Camino Real E.
Boomerang Café	807	11th Ave.
BORG TECHNICAL SERVICES	1240	Mt. View-Alviso Rd.
Brass Rail	160	Persian Drive
BREAD BASKET DELI	135	Wolfe Road N.
BRITISH & EUROPEAN	683	El Camino Real E.
Bubble Wash	696	El Camino Real West
Burger King #10957	773	Mathilda Avenue North
C.J. Olson Cherries	348	El Camino Real West
Café Dolce	415	Mary Avenue North
CAFE MELANGE	1200	Crossman Avenue
Calculated Machining Inc.	1134	Aster Ave.
CaliSolar	985	Almanor Avenue
CALSTONE COMPANY	1155	Aster Avenue
Cal-West Specialty Coatings	1058	Evelyn Avenue West
CAM HUNG	903	Reed Avenue
Cameron Veterinary Hospital	1285	Mary Ave.
Carl's Jr.	1051	El Camino Real E.
Carl's Jr.	1220	Oakmead Parkway
Carl's Jr.	1195	El Camino Real W.
CARRIAGE CLEANERS	115	Fremont Avenue E.
Casa Lupe	691	Bernardo Avenue S.
Cedar Crest Nursing and Rehabilitation Center	797	Fremont Avenue E.
Cepheid	1325	Chesapeake Terrace
Cepheid	632	Caribbean Dr.
Cepheid	1315	Chesapeake Terrace
Cepheid	904	Caribbean Avenue
Chaat House	889	El Camino Real E.
Chaat House	939	El Camino Real W.
Chavez Supermarket	666	Fair Oaks Ave.
Cheetahs Gentlemen's Club	907	E. Arques Ave
Chef Young's Restaurant	494	Mathilda Avenue North
Chef Yu	163	Murphy Ave. S.
CHELOKABABI	1236	Wolfe Road S.
CHERRY CHASE PET HOSPITAL	1297	El Camino Real W.

CompanyName	Address1	Address2
CHEVRON	1265	Lawrence Station Road
Chevron, The Car Spa, Inc.	1097	Duane Ave. E.
Chic Alterations and Cleaners	1111	W. El Camino
China Wok	1211	S. Mary
Chipolte's #279	324	El Camino Real West
Chiropractic Care	520	Lawrence Expy.
Citala Us. Inc	1281	Reamwood
City of Sunnyvale Corporation Yard	221	Commercial Street
City of Sunnyvale Golf Course Cart Maintenance	605	Macara Avenue
City of Sunnyvale Golf Course Maintenance Facility	1003	Maude Avenue West
City of Sunnyvale Golf Course Snack Shack	605	Macara Avenue
City of Sunnyvale Landfill	600	Caribbean Drive
City of Sunnyvale Municipal Tennis Center	755	Mathilda Avenue South
Clarita's Filipino Cuisine	905	Duane Avenue E.
Club La Ronda	927	Duane Ave. East
Clubouse Café	1010	Wolfe Road S.
Coco's Family Restaurant	1209	Oakmead Parkway
COFFEE & MORE	100	Murphy Ave. S.
Coherent	1220	Midas Way
COLD STONE CREAMERY	757	El Camino Real E.
COLLISION AUTO REPAIR	277	Fair Oaks Ave. N.
Columbia Middle School	739	Morse Avenue
Complete Genomics	750	Pastoria Avenue North
CONTINENTAL MOTOR WORKS	665	El Camino Real E.
COSTCO	150	Lawrence Station Road
COUNTRY GOURMET	1314	Mary Avenue S.
Country Inn and Suites	1300	Chesapeake Terrace
CPC Scientific	1245	Reamwood Ave
CVS/Pharmacy	576	El Camino Real E.
CVS/Pharmacy	1675	Hollenbeck Road
Da Kine Café	153	E. Fremont Ave.
Daily Donuts	110	Sunnyvale Ave. S
Daily Donuts & Sandwiches	505	Pastoria Avenue South
Daily Donuts and Bagels	708	Caliente Dr.
DAINIPPON SCREEN ENG (DNS)	820	Kifer Rd.
Dairy Belle Freeze #17	1323	Sunnyvale-Saratoga Road
Da-Les Auto Body	728	San Aleso Avenue
Daniel's B&M Cars	848	Evelyn Avenue West
Dannicks Auto Care	135	Wolfe Road. N.
Dastgah Firestone	135	Wolfe Road
Dayton Automotive / Peninsula Transmission	1155	Reed Ave
DE ANZA SQUARE CLEANERS	1358	Mary Ave. S.
DEL MONTE RESTAURANT	100	Murphy Ave. S.
Denny's Restaurant #7217	311	Mathilda Avenue South
Denny's Restaurant #7218	814	Ahwanee Avenue
Diagnostics for the Real World, Ltd.	840	Del Rey Avenue

CompanyName	Address1	Address2
DIAGNOSTICS UNLIMITED	135	Wolfe Road N.
Dim Sum King	824	W. ElCamino
Dionex Corporation Building 1	1228	Titan Way
Dionex Corporation Building 2	445	Lakeside Drive
Dionex Corporation Building 5	527	Lakeside Drive
Dionex Corporation Building 5 Cafeteria	527	Lakeside Drive
Dish Dash	190	Murphy Avenue S.
Dish n Dash	736	Mathilda Avenue North
Domain Hotel	1085	El Camino Real
Domino's Pizza	992	El Camino Real W.
Domino's Pizza	615	Caliente Drive
Don and Jon's Automotive	1080	El Camino Real E.
Dosa N Biryani	250	E. Java
Dr. Burrito	266	E. Java
Dryclean Best	605	El Camino Real E.
DT Auto Service Inc. (ARCO)	1040	Sunnyvale-Saratoga
Dusita Thai	1028	El Camino Real
E Lounge	1102	Evelyn Avenue West
ebr Systems	686	Maude Avenue West
ECONOMY AUTO REPAIR	1170	Willow Ave.
EL CAMINITO MEXICAN RESTAURANT	510	El Camino Real E.
El Cerrito Taqueria	120	Persian Drive
EL POLLO LOCO	996	El Camino Real W.
ELC VETERINARY CLINIC	832	Fremont Ave. E.
Elephant Express	302	Fair Oaks Ave. N.
EME Technologies, Inc.	224	N. Wolfe
Enterprise Rent-A-Car #2302	680	El Camino Real West
Enterprise Rental Cars	815	El Camino Real E.
Epicor	240	Santa Ana Court
ERC CONCEPTS	1255	Birchwood Dr.
ERIK'S DELI/CAFE	717	El Camino Real E.
EUROPEAN AUTO REPAIR & SERVICE	1170	Willow Ave.
European Auto Works	629	Mathilda Avenue North
EUROPEAN CAR REPAIR & SVC	275	Fair Oaks Drive N.
Events of Excellence Catering/Café	745	Wolfe Road S.
EXPRESS CLEANERS	510	Lawrence Expy.
Express Dental R	265	Sobrante Way
EZ SMOG	1170	Willow Ave.
F & M AUTO	975	El Camino Real W.
F&S Autobody and Painting	675	El Camino Real E.
FAIR OAKS 76 - Bestech	603	Old San Francisco Road
Fair Oaks Chevron (gas & car wash)	296	Fair Oaks Avenue
Falafel Bite	1500	Lawrence Expwy
Famous Food Restaurant	872	Old San Francisco Road
Faultline Brewing Company	1235	Oakmead Parkway
FAZ RESTAURANT & BAR	1108	Mathilda Avenue N.
FEDERAL EXPRESS	1286	Lawrence Station Road

CompanyName	Address1	Address2
Fender's Collision Center	912	Evelyn Avenue West
FERRIS CHIROPRACTIC OFFICE	519	Murphy Ave. S.
FIBBAR MAGEE'S	156	Murphy Ave. S.
Fire House Grill and Brewery	111	South Murphy Avenue
Firestone Tire and Service Center	922	El Camino W.
First Auto Services	205	Wahington Ave. E
FIRST PLACE	830	Evelyn Ave. E.
First Wok	653	S. Bernardo Ave.
Fith Avenue \$1.75 Cleaners	251	S. Mary Ave
Five Guys	116	E. El Camino Real
FOUR D METAL FINISHING, INC.	620	Taylor Avenue East
Fremont High School Automotive Classroom	1279	Sunnyvale-Saratoga Road
Fremont High School Cafeteria	1279	Sunnyvale-Saratoga Road
Fremont High School Science Building	1279	Sunnyvale-Saratoga Road
Fremont Shell Gas Station	1300	Sunnyvale-Saratoga Road
Fremont Unified High School District	589	Fremont Avenue West
Fresh and Easy Neighborhood Market #1319	1180	Fair Oaks Avenue North
FRESH CHOICE	1105	El Camino Real W.
Fresh U Order Bagels - Bakery Café	500	Lawrence
Fujitsu	1250	Arques Avenue E.
Full Moon Biosystems	754	Pastoria Avenue North
GARCIA'S TAQUERIA	738	Fair Oaks Ave. S.
George's Fuel & Auto Repair	996	Evelyn Avenue West
German Motor Specialist	380	San Aleso Avenue
Ginger Café	398	El Camino West
Giovanni's Pizzeria	1127	Lawrence Expressway
Gobi Mongolian BBQ	1135	Tasman Dr.
Godinez Tires	283	Fair Oaks Avenue N.
Golden West Collision Centers	970	Evelyn Avenue West
GOLFLAND USA	855	El Camino Real E.
Gombeï Bento	511	Borragas Avenue
GOOSE MANUFACTURING	1253	Birchwood Dr.
Grand Hotel	865	El Camino Real W.
Great Vegi Land	562	Murphy S.
Green Smog Check (UMIT Inc.)	1073	E. El Camino Real
Griffin Upholstery	1062	El Camino Real E.
Guadalajara Market	827	Borragas Avenue
GUMBA'S ITALIAN RESTAURANT	176	Murphy Avenue S.
H. Butler's BBQ	568	El Camino Real E.
HACIENDA CLEANERS	793	El Camino Real E.
Hanamaru	675	Bernardo Avenue S.
Hank Auto Repair	771	Mathilda Avenue North
HANKOOK Super Deli	1092	El Camino Real E.
Hard Roc Concrete	691	Mathilda Avenue North
HARDY'S BAVARIA	111	Evelyn Avenue W.
HCR Manor Care	1150	Tilton Drive
HENDY AUTO REPAIR	111	Sunnyvale Avenue N.

CompanyName	Address1	Address2
HEPCO INC	150	San Lazaro Ave.
Hertz Local Edition	510	El Camino Real E
HIRSH MACHINE INC	164	Commercial St.
HISTORIC DEL MONTE BUILDING	100	Murphy Ave. S.
Hobee's California Restaurants #7	800	Ahwanee Avenue
Hologic Corp	1240	Elko Dr.
HOME DEPOT	680	Kifer Rd.
Hondacraft	906	Evelyn Avenue West
Honeyberry's	1661	Hollenbeck Road
Honeywell	1349	Moffett Park Drive
Honeywell International	1349	Moffett Park Drive
Hot Breads	464	El Camino Real E.
House of Bagels	1681	Hollenbeck Road
House of Kabobs	161	South Murphy Street
House of Pho	1066	E. El Camino Real
HP Palm SV 01 Cafeteria	950	Maude Avenue West
HU, DR. HANK	749	Fremont Ave. W.
Hybrid Commercial Printing	1010	W. El Camino Real
I Do Smog	771	Mathilda Avenue North
I.N.S. Photo Studio	605	El Camino Real E.
iBagels	266	E. Java Dr.
IDEC	1213	Elko Dr.
iL Postale	127	Washington Street W.
Infinera Corporation	1322	Bordeaux Drive
Inko International Corporation	695	Vaqueros Avenue
Inko International Corporation	716	Pastoria Avenue North
IN-N-OUT BURGER	604	El Camino Real E.
Innovalight, Inc.	965	Arques Avenue East
Intuitive Surgical	1266	Kifer
Intuitive Surgical -commercial	1250	Kifer
Intuity Medical	350	Potrero Avenue
J & L Auto Repair	1038	Evelyn Avenue West
J S MOTORS	1164	Willow Ave.
Jack in the Box	813	El Camino Real W.
JAKE'S OF SUNNYVALE	174	Fremont Ave. E.
JAMBA JUICE	797	El Camino Real E.
Jamba Juice #391	415	Mary Avenue North
JANG TU SOONDAE RESTAURANT	1012	El Camino Real E.
JAPANESE BEETLE	928	El Camino Real E.
Java Cleaners	256	Java
Java Sushi	262	Java Drive
JC AUTO REPAIR	1062	El Camino Real E.
JIFFY LUBE #295	999	El Camino Real W.
JOHN LINCOLN CO.	172	Commercial St.
JOHNSTON PROTOTYPE	1122	Aster Ave.
Jomin's Café and Bake Shop	907	E. Duane
JSR Micro, Inc.	1260	Mathilda Ave. N.

CompanyName	Address1	Address2
Kabob Afghan and Persian Cuisine	604	S. Mary Ave.
Kabul	833	El Camino Real W.
Kaloci & Son	810	Evelyn Avenue West
Kals's Bar-B-Q	425	Mathilda Avenue North
Kaluah Kennels	689	Mathilda Avenue North
KAMET Manufacturing Solutions	171	Commercial St.
KAMET Manufacturing Solutions	155	Commercial St.
KAMET Manufacturing Solutions	169	Commercial St.
Katana Sushi & Sake	411	East El Camino Real
KENTUCKY FRIED CHICKEN	1065	El Camino Real E.
Kentucky Fried Chicken #159	340	Maude Avenue West
Kentucky Fried Chicken & Taco Bell	1695	Hollenbeck Road
King Wah	219	Washington Ave. E.
KING'S SEAFOOD CENTER INC	425	El Camino Real E.
KM Techni Glass	1111	Elko Dr.
KOMALA VILAS RESTAURANT	1020	El Camino Real E.
KRYTAR	1288	Anvilwood Avenue
K's Crepes & Café	126	E. Fremont Ave
Kuehne Construction/Kuehne Air Maze	933	Kifer Road
Kuykendall's Auto Body & Frame	1024	Evelyn Avenue West
Kyora Japanese	1217	Wildwood Ave
La Miche	1107	El Camino Real W.
LAB-PRO INC	1290	Anvilwood Court
Lake Vista Liquor	1123	N. Lawrence
LAKWOOD SHELL	1101	Lawrence Expy. N.
LAMEK INDUSTRIAL CORPORATION	1254	Birchwood Dr.
LANSER, WENDY	990	Fremont Ave. W.
LARRY HOPKINS HONDA	1048	El Camino Real W.
Las Islitas Taqueria	848	East Evelyn Avenue
Las Palmas Grill - City Kabob	755	Mathilda Avenue South
Lawrence Expy Smog Center/Santa Clara Super Gas	295	Lawrence
Lawrence Hooper, MD Inc.	500	East Remington
Le Boulanger	1080	Enterprise Way
Le Boulanger	305	Mathilda Avenue North
Lee's Sandwiches	939	W. El Camino
LEFCO INC	698	Taylor Ave. E.
LensVector, Inc	675	Palomar Avenue
Le's Auto Repair	912	Evelyn Avenue West
LESLIE'S POOL SUPPLY	569	El Camino Real E.
Lilly Mac's	187	S. Murphy Av
Lion & Compass	1023	Fair Oaks Avenue N.
Little Caesar's Pizza #5044	1039	Sunnyvale-Saratoga Road
Little India Café	415	Maude Avenue West
Little Michoacan	305	North Fair Oaks Avenue
LMMS	1111	Lockheed Martin Way
LMMS GES	1111	Lockheed Martin Way
Lockheed 157	1111	Lockheed Way

CompanyName	Address1	Address2
Lockheed 182	1111	Lockheed Way
Lockheed Martin Corp.Groundwater Extraction	1235	Elko Dr.
LONGHORN CHARCOAL PIT	102	Fremont Avenue E.
Lookout Inn Restaurant, Inc.	605	Macara Avenue
LOZANO AUTO SERVICE	934	El Camino Real W.
LOZANO'S CAR WASH	610	Grape Avenue
LUCKY DHABA	1034	El Camino Real E.
Lucky Foods (Save Mart #780)	484	Mathilda Avenue North
LUX MANUFACTURING, INC.	151	San Lazaro Ave.
MAACO Auto Body	1042	Evelyn Avenue West
Madhuban Indian Cuisine	544	Lawrence Expressway
MADRAS CAFÉ, INC.	1177	El Camino Real W.
Madura Veg Indian Cuisine	1635	Hollenbeck Avenue
MAGIC WOK	734	Wolfe Road S.
Maple Tree Inn	711	El Camino Real E.
Marchetti's (Rick) Auto Service	1026	Evelyn Avenue West
MARIE CALLENDER'S	751	El Camino Real E.
MARK CLEANERS, THE	755	Wolfe Rd. S.
Marty's Donut Shop	350	Maude Avenue West
Mathilda Valero #7669 Auto Service	498	Mathilda Avenue North
Maxim	433	Mathilda Avenue N.
Maxim Integrated Products, Inc.	929	E. Arques
Mc Donald's #6867	615	Mathilda Avenue North
McDonald's	550	Lawrence Expressway
McDonald's	1169	El Camino Real W.
McDONALD'S RESTAURANT	556	El Camino Real E.
McHenrys	415	E. El Camino Real
MedDev Corporation	730	Pastoria Avenue North
Medina's Kitchen	911	E. Duane
Medtronic	480	Java Dr.
Mee's Cleaners	1607	Hollenbeck Road
Meggitt (Endevco MEMS)	355	Pastoria Avenue N.
Mellow's Nursery	221	Mathilda Avenue North
MERCADO LA TORRE INC	614	Evelyn Ave. E.
Merit Vegetarian	548	Lawrence Expressway
Mi Ranchito Produce	259	Maude Avenue East
Mi Rancho	255	S. Mary
MiaSole	435	Oakmead Parkway
MICRO LITHOGRAPHY, INC.	1247	Elko Dr.
MICRO LITHOGRAPHY, INC.	1257	Elko Dr.
MID Auto Service	1155	Willow Ave.
MIDAS	725	El Camino Real E.
Miholovich Concrete Construction Co., Inc.	840	Muender Avenue
Minh's Vietnamese Restaurant	1274	Persian Dr.
Mission City Café	510	Lawrence Exp
MOHAWK LABORATORIES DIV OF NCH CORP	932	Kifer Rd.
Molecular Devices LLC	1312	Crossman

CompanyName	Address1	Address2
MOLECULAR DEVICES, INC.	1311	Orleans Drive
Molecular Medicine Research Institute (MMRI)	552	Del Rey Avenue
Molecular Medicine Research Institute (MMRI)	525	Del Ray Avenue
Molecular Medicine Research Institute (MMRI)	525	Del Rey Avenue
Moose Family Center	905	Kifer
MURPHY AVENUE PET CLINIC	101	Hendy Ave. W.
MURPHY'S LAW	135	Murphy Ave. S.
Nature's Best Cleaners	1281	W. El Camino
Neoconix 2	715	Pastoria Avenue North
NetApp	495	E. Java
Neuralieve Inc.	240	N. Wolfe Rd
New Chef Lee's Chinese Restaurant	1115	Tasman Drive
New Port Restaurant	1686	S. Wolfe Road
New Wing Yuan Market	1139	N. Lawrence
NEW YORK STYLE SAUSAGE CO	1228	Reamwood Avenue
NeXTNaV	484	Oakmead Parkway
Nino's Cleaners	826	Fremont Avenue E.
Nissan Sunnyvale	880	El Camino Real E.
Nizario's Pizza	725	Sunnyvale-Saratoga Road
Noron Precision Machining, Inc.	265	Sobrante Way
Northern California Graphics	817	Maude Avenue West
NORTHROP GRUMMAN CORPORATION	401	Hendy Ave. E.
NORTHROP-GRUMMAN CORP GTS	401	Hendy Ave. E.
Nothing Bundt Cakes	939	W. El Camino
OAKBIO, Inc.	265	Sobrante Way
OASIS	952	El Camino Real E.
Ocean Blue Sushi Club	1010	El Camino Real E.
OEPIIC Inc.	1231	Boredeaux Drive
Oil Changers #405	135	Wolfe Road N.
OK Auto Body & Repair	210	Ahwanee Avenue
OLIVER INSTRUMENTS INC	922	California Avenue E.
Ollen Sushi & Tofu House	595	E. El Camino Real
Onda Corporation	592	East Weddell Drive East
ONE DAY CLEANER	417	El Camino Real E.
One Love Pizza	109	Fremont Ave E.
Orchard Supply Hardware #0050	777	Sunnyvale-Saratoga Road
O'Reilly Auto Parts	815	El Camino Real E.
Oroweat Thrift Store	456	Maude Avenue West
Ourplace Indian Cuisine	685	E. El Camino Real
P. F. Chang's China Bistro #6900	390	El Camino Real West
PACIFIC AUTO ELECTRIC	105	Weddell Drive W.
PACIFIC CERAMICS	824	San Aleso Avenue
Pacific Coast Trane Service	310	Soquel Way
Pacific Inn of Sunnyvale	170	Sunnyvale Avenue S.

CompanyName	Address1	Address2
Pad Thai Restaurant	500	Lawrence Expressway
Palace Bar-B-Que Buffet	1092	El Camino Real E.
PALACE CAFÉ	139	Murphy Ave. S.
Palladium Nightclub	767	Mathilda Avenue North
Panchavati	460	Persian Dr.
Panda Express	790	El Camino Real E.
Panera Bread	118	E. El Camino Real
PAPA MURPHY'S	939	El Camino Real W.
Paredes Autoworks	1062	El Camino Real E.
Park Cleaners and Shoe Repair	848	East Evelyn Avenue
Parkinson's Institute & Clinical Center	675	Almanor Avenue
Pasta Pomodoro	300	El Camino Real West
PATIO, The	944	El Camino Real E.
Paul & Harvey's	130	Murphy Avenue S.
Peacock Lounge	102	Fremont Ave. E.
Pearson Automobile Company	1176	El Camino Real W.
PEBBLE ROPPONGI	160	Francis Ave. S.
Peet's Coffee and Tea #135	144	El Camino Real West
PENINSULA BUILDING MATERIALS CO	1175	Aster Ave.
Pep Boys	170	El Camino Real E.
PEPSI COLA BOTTLING COMPANY	960	Kifer Rd.
PESARATTU	893	E. El Camino Real
Pezzella's Villa Napoli	1025	El Camino Real W.
Pharmacyclics, Inc.	995	Arques Avenue East
Philly Cheese Steak Shop	832	W. El Camino
Pho Bin Little Saigon	855	Homestead Road E.
Pho Binh Minh Sunrise Noodle House	1129	Lawrence Expressway
Pho Nam	1205	Wildwood Avenue
PHO NAM RESTAURANT	844	El Camino Real W.
PHO QUEEN NOODLE HOUSE	1133	Tasman Drive
PHO QUYEN NOODLE HOUSE	1185	El Camino Real W.
Pho Vy	913	Duane Ave E.
Pho Wagon Restaurant	1627	Hollenbeck Road
Phuong Thao	155	South Murphy Avenue
Pierre's Tailorshop & Dry Cleaning	147	E. Washington Ave.
PINE CONE LUMBER	895	Evelyn Avenue E.
PINE PRESS	1330	Mary Ave. S.
Pinkberry	122	East El Camino Real
PIZZA DEPOT	919	Duane Avenue E.
Pizza Hut	1241	El Camino Real W.
Pizza Hut #011668	464	Mathilda Avenue North
Pizza My Heart	110	E. El Camino Real
Pizza Pub	1342	Mary Ave.
Pizzeria Piana	1287	Mary Avenue S.
Pooch Hotel Sunnyvale	180	N. Wolfe
Popeyes Chicken and Biscuits	802	w. El Camino
PRECISION TUNE AUTO CARE	1004	El Camino Real W.

CompanyName	Address1	Address2
Precision Tune Auto Care	135	Wolfe Road N.
PRINTING WORKS, The	544	E. Weddell Dr.
Prism Inks	824	Ahwanee Avenue
Pro Star Auto and Towing	150	Wolfe Road
PURE LOUNGE	146	S. Murphy Street
Q Cleaners	505	Pastoria Avenue South
Qualitek	1225	Elko Dr
QUALITY AUTO CENTER	1062	El Camino Real E.
Quality Cleaners	566	El Camino Real E.
Quality Tune Up Shop (#2)	696	Mathilda Avenue North
Quarter Note Bar and Grill	1214	Apollo Way
Quickly	1149	N Lawrence
Quiznos Sub	251	S. Mary Ave.
Rainbow Car Wash and Detail	975	El Camino Real E.
Rajjot	1234	Wolfe Road S.
Raytheon Applied Signal Technologies, Inc.	490	California Avenue West
REC Solar	167	Commercial
Remington Podiatry Group	697	Reminton Dr. E
Rene Rose	621	Caliente Dr.
RESPONSIBLE METAL FAB INC	1256	Lawrence Station Rd. N.
Resurrection School & Church	1395	Hollenbeck Road
RILEY CHIROPRACTIC	939	El Camino Real W.
Riot (San Jose Blue)	927	Kifer Road
RM Prototype Machining	1183	Tasman Drive
Road Runner Automotive	711	East Evelyn Avenue
Robees Falafel	260	E. Java
Rok Bistro	124	Murphy Ave. S.
RON'S TRANSMISSIONS	932	El Camino Real W.
Rooster T. Feathers Comedy Club	157	El Camino Real West
ROUND TABLE PIZZA	860	Old San Francisco Road
ROUND TABLE PIZZA	665	Bernardo Avenue S.
Round Table Pizza #4	1663	Hollenbeck Road
Round Table Pizza #713	415	Mary Avenue North
ROYAL DRY CLEANERS	1151	Lawrence Expy.
Rubio's Fresh Mexican Grill	108	E. El Camino Real
Ruby's Pan Dulce	829	Borregas Avenue
Ruby's Taqueria	821	Borregas Avenue
Run 'em Ragged/ A Dog's Life	1249	Birchwood Dr.
S & S TIRE & AUTO REPAIR	597	Murphy Avenue S.
Safeway	785	El Camino Real E.
Safeway	639	Bernardo Avenue S.
Safeway Foods #313	1601	Hollenbeck Road
Safeway Inc. #2887	150	El Camino Real East
Saigon Hong Kong Restaurant	1135	Lawrence Expressway
Saigon's Cleaners & Alterations	1034	E. El Camino
Saizo	592	El Camino Real E.
Sakura Sushi	173	South Murphy Avenue

CompanyName	Address1	Address2
Samax Precision, Inc.	926	Evelyn Avenue West
Santa Clara Cycle	993	El Camino Real E.
SANTRONICS, INC.	1240	Birchwood Dr.
Saravanaa Bhavan	1305	S. Mary Ave.
Savory and Sweet	149	Hendy Avenue
Sawa Sushi	1042	El Camino Real E.
Scandia Auto Service	848	Evelyn Avenue West
SCOTTY'S CLEANERS	684	Fair Oaks Ave.
Senor Jalepeno	415	Mary Avenue North
Senzala	250	E. Java
Serious Energy (Quiet Solution before)	1250	Elko Ave.
Seto Tempura House	511	Borregas Avenue
Shalimar Restaurant	1146	W. El Camino Real
Shanghai Flavor Shop	888	Old San Francisco Road
Shanghai Restaurant	253	Maude Avenue East
Shaw's Sandwiches	470	Mathilda Avenue North
SHELL - westmore	925	Fremont Avenue W.
Shell (Mathilda)	776	Mathilda Avenue North
SHELL- Wolfe Auto Service	703	Wolfe Road S.
Shirin Deli & Market	582	Murphy Ave S
Siam Taste	172	South Murphy Street
Sichuan Gourmet	542	Lakeside Dr.
Sierra Proto Express, Inc.	1108	Evelyn Avenue West
Silicon Light Machines	820	Kifer
SILICON VALLEY AUTO BODY	327	Weddell Drive
Silicon Valley Chiropractic Group	333	El Camino Real West
Silicon Valley Fuels	1697	S. Wolfe Road
SIR SPEEDY	1185	Tasman Dr.
SMaRT STATION-Bay Counties Waste Services	301	Carl Road
Smoothie King #644	398	El Camino Real West
Sneha Indian Dining	1214	Apollo Way
Spansion LLC	915	Deguigne Drive
Spansion LLC	915	Deguigne Drive
Sparkle Clean Dry Cleaners	478	Mathilda Avenue North
Specialty Café and Bakery	605	Tasman
Specialty's Café & Bakery	605	Tasman
Speed Oil Change Center	1240	W. El Camino
SpeedDee Oil Change & Tune Up #17-049	695	Homestead Road West
Spice Hut	594	El Camino Real E.
Spinal Kinetics	595	Pastoria Avenue North
Sporty's Bikini Bar	1053	El Camino Real E.
Sprouts Farmers Market	111	E El Camino Real
St. Cyprian's Church and School	195	Leota Avenue
St. John's Bar & Grill	510	Lawrence Expressway
ST. JUDE MEDICAL CRMD	701	Evelyn Ave. E.
St. Martin School	597	Central Avenue
STANFORD RESEARCH SYSTEMS	1290	Reamwood Ave.

CompanyName	Address1	Address2
Starbucks	201	S. Mary Ave.
Starbucks #2885	460	Mathilda Avenue North
Starbucks Coffee	795	El Camino Real E.
STARBUCKS COFFEE	1291	Mary Avenue S.
Starbucks Coffee #631	1687	Hollenbeck Road
Starbucks Coffee #5981	332	El Camino Real West
Staybridge Suites	900	Hamlin Court
STEVEN'S CLASSIC PHILLY CHEESESTEAK	1121	Tasman Drive
Subway	264	Java Drive
Subway	500	Lawrence Expressway
SUBWAY	605	El Camino Real E.
Subway	956	El Camino Real W.
Subway	1044	El Camino Real E
Subway	1139	Tasman Dr.
SUBWAY	704	Wolfe Rd. S.
Subway Sandwiches #5834	415	Mary Avenue North
Sugar, Butter, Flour	669	S. Bernardo Ave.
Summer Winds Nursery	861	El Camino Real E.
SUNKEN GARDENS (MAINTENANCE)	1010	Wolfe Rd. S.
Sunny Auto Care	1170	Willow Ave.
Sunny V Café	1133	Lawrence Expressway
Sunnyvale 76	1198	El Camino Real W.
Sunnyvale Acura	750	El Camino Real E.
Sunnyvale Art Gallery Café	251	El Camino Real
Sunnyvale Auto Spa	1005	El Camino Real W.
Sunnyvale Buffet	830	East El Camino Real
Sunnyvale Café	223	Maude Avenue East
Sunnyvale Car Wash & Detail	905	El Camino Real E.
Sunnyvale Car Wash (Chevron)	724	Mathilda Avenue North
Sunnyvale Chiropractic	481	Murphy Ave. S.
Sunnyvale Collision Care Centers	904	Arques Ave. E.
Sunnyvale Elks Lodge	375	Pastoria Avenue North
SUNNYVALE FORD	650	El Camino Real E.
Sunnyvale Health Care Center	1291	S. Bernardo
Sunnyvale Lumber, Inc.	870	Evelyn Avenue West
Sunnyvale Motorcars	681	El Camino Real E.
SUNNYVALE OLYMPIC Valero	750	Bernardo Avenue S.
Sunnyvale Presbyterian Church	728	Fremont Avenue West
SUNNYVALE SCHOOL DISTRICT	825	Iowa Avenue W.
Sunnyvale Senior Center	550	E. Remington Drive
Sunnyvale Smog Center	1062	El Camino Real E.
SUNNYVALE TOWING	247	Commercial Street
Sunnyvale Unocal - Truman Auto Care	499	Mathilda Avenue North
SUNNYVALE VOLKSWAGEN	1025	El Camino Real E.
SUNNYVALE WELDING & FABRICATING	717	Evelyn Ave. E.
Sunpreme, Inc.	615	Palomar
Sunrise Senior Living	633	Knickerbocker S.

CompanyName	Address1	Address2
Super Burrito	1671	Hollenbeck Road
SUPER QUALITY CLEANERS	1049	El Camino Real E.
Super Sunnyvale Market	933	E Duane Ave
Supertex Inc	1235	Bordeaux
Surface Engineering	919	Hamlin Court
Susan's Donuts & Snacks	1113	Tasman Drive
Sushi Blvd	903	E. Duane Ave.
Sushi Club	415	Mary Avenue North
Svaya	275	Santa Ana Court
Swathi Tiffins	1202	Apollo Way
SWEET TOMATOES	1210	Kifer Road
Synopsys Bldg. 8	1030	Maude Avenue West
Szechuan Garden Express	1677	Hollenbeck Avenue
T.D. Auto Repair and Service	683	East El Camino Real
TACO BELL	811	Kifer Road
Taco Bell	1109	Tasman Drive
TACO BELL #3208	991	El Camino Real W.
Tacos Jalapa	154	El Camino Real West
Tanto Japanese Restaurant	1063	El Camino Real E.
TAO TAO	175	Murphy Avenue S.
Tapioca Express	808	W. El Camino Real
Taqueria El Grullo	620	Evelyn Ave. E.
Taqueria Latina	201	Maude Avenue East
Target	298	McKinley Ave W.
TARRAGON	140	Murphy Avenue S.
Taste Buds	673	Grape Ave.
Taste Nutruton Services	1296	Kifer Road
Tasty Subs and Pizza	528	Lawrence Exp.
Taverna Bistro	133	Murphy Avenue S.
Taverna Lounge	769	Mathilda Avenue North
Tech Star Industries	1171	Sonora Ct.
TELEDYNE COUGAR ELECTRONICS	290	Santa Ana Ct.
THAI BASIL #1	101	Murphy Avenue. S.
Thai Lemongrass	573	E El Camino Real
Thai Pepper	103	Fremont Ave. E.
THAI SPOONS	909	El Camino Real W.
The Bay Fish & Chips	826	El Camino Real W.
THE FRENCH QUARTER	193	Murphy Avenue S.
The Motor Café (HONDA PENINSULA)	1289	El Camino Real W.
The Old Siam	1111	W. El Camino
The Pasta Market	460	El Camino Real E.
Theron, Inc.	365	San Aleso Avenue
THUY'S TAILORS AND CLEANERS	159	Sunnyvale Ave. S.
TIA JUANA MEXICAN RESTAURANT	901	Duane Avenue E.
TJ Automotive	135	Wolfe Road N.
TOGOS	1253	El Camino Real W.
Togo's	540	Lawrence Expressway

CompanyName	Address1	Address2
TOGO'S	561	El Camino Real E.
Togo's Eatery	1220	Crossman Avenue
Togo's Eatery #334704	1683	Hollenbeck Road
Tom's Auto Repair	1004	W. El Camino
Tom's Auto Repair	1004	W. El camino
TONY & BROS	281	Fair Oaks Avenue N.
Toyota Certified	1124	W. El Camino
TOYOTA SUNNYVALE	898	El Camino Real W.
Trader Joe's #68	727	Sunnyvale-Saratoga Road
Tres Potrillos Taqueria	670	Fair Oaks Avenue N.
Trinity Church	477	Mathilda Avenue North
Trinity Church	477	Mathilda Avenue North
TRU-SI TECHNOLOGIES	657	Pastoria Avenue N.
Tu Mero Mole	590	Old San Francisco rd
TURMERIC INDIAN CUISINE	141	Murphy Ave. S.
Tutti Frutti Frozen Yogurt	127	S. Murphy Ave
TW Manufacturing LLC	1223	Bordeaux Drive
UHAUL	939	El Camino Real E.
UNAMAS	548	Lawrence Expressway
Unilever Manufacturing Company	1484	Kifer Road
Union 76 (Sunnyvale-Saratoga Road)	1296	Sunnyvale-Saratoga Road
UNITED PARCEL SERVICE	1245	Hammerwood Avenue
United Rentals #547	940	Evelyn Avenue West
Unity Semiconductor	255	Santa Ana Ct.
UPS	925	Morse Ave.
UVEXS	1260	Birchwood Dr.
Valero	698	Fair Oaks Avenue N.
Valero/Smog Haven	1037	Lakehaven Drive
VANDER-BEND MANUFACTURING	123	Uranium Rd.
Vargas Elementary School	1054	Carson Drive`
Vargas Upholstery	675	El Camino Real E.
Vito's Pizzeria	1155	Reed Avenue
W.L. GORE AND ASSOCIATES, INC.	1327	Orleans Dr.
Walgreens	105	El Camino Real E.
Walgreens	780	El Camino Real
WALGREENS STORE #3380	1306	Mary Ave. S.
WB MANUFACTURING	1230	Mt. View-Alviso Rd.
Wellness Chiropractic	730	El Camino Real E.
Wendy's	1313	Wolfe Road S.
Wendy's Old Fashioned Hamburgers #528	485	Mathilda Avenue North
WESTAK	1272	Forgewood Dr.
WESTCOR A DIVISION OF VICOR	560	Oakmead Pkwy.
Wheel Works	1291	W. El Camino
WINDSOR FISH & CHIPS	876	Old San Francisco Road
Wing Stop #451	1661	Hollenbeck Avenue
Wok's On Express	156	El Camino Real West
World Muffler	966	El Camino Real E.

CompanyName	Address1	Address2
World Oil #50	117	Maude Avenue West
Xoft, Inc.	345	Potrero Avenue
Yag Manufacturing, Inc.	625	Pastoria Avenue North
Yahoo!, Inc.	781	First Avenue
Yume - Ya Japanese Restaurant	150	El Camino Real West
Zikon, Inc.	365	San Aleso Avenue
Zinola Manufacturing	1190	Evelyn Avenue West
Zoll Circulation	650	Almanor Avenue
Zuccato's Auto Care	1026	Evelyn Avenue West
Zywyn Analog Interface Solutions	1270	Oakmead Parkway

FY 2011-2012 Annual Report
Permittee Name: City of Sunnyvale

Section 4
Provision C.4 Industrial and Commercial Site Controls

**Appendix 4-2: C.4.b.iii (2) Facilities Scheduled for Inspection in Fiscal Year
2012/2013**

**Appendix 4-2: C.4.b.iii.(2) ► Facilities Scheduled for Inspection FY 12/13
FY 2011-2012 Annual Report**

CompanyName	Address1	Address2
888 Auto Corporation	710	El Camino Real E.
A & H AUTO WRECKER	295	Commercial Street
a slice of New York	1253	W. ElCamino
A-1 Performance	771	Mathilda Avenue North
AAA Speedy Smog	135	Wolfe Road N.
AAMCO Transmission #25037	968	Evelyn Avenue West
Acellent Technologies	835	Stewart Dr.
Acta Pharmacal Co.	380	Pastoria Avenue North
Active Auto Body	1281	Forgewood Dr.
Adamsons Wood Fired Oven French Dip	806	W El Camino
ADDS Pharmaceuticals LLC	1278	Reamwood Ave.
Advanced Auto Repair	912	Evelyn Avenue West
Advanced Micro Devices	1	AMD Place
Advanced Micro Devices (FASL, LLC.) Cafeteria	991	Stewart Drive
ADVANCED PHOTO CIRCUITS	1270	Lawrence Station Rd.
Aeroflex / Metelics	975	Stewart Drive
AFGHANI HOUSE RESTAURANT	1103	El Camino Real E.
Agape Grill	845	Stewart
Aixtron Genus, Inc.	1139	Karlstad Dr.
AL-CON AUTOMOTIVE	279	Fair Oaks Dr. N.
ALLEGRIA	233	Weddell Drive
Allvia, Inc.	657	Pastoria Avenue North
Alpha & Omega Semiconductor	475	Oakmead Semiconductor
Alta Devices, Inc.	545	Oakmead Parkway
American European Auto Clinic	105	Maude Avenue East
AMERICAN PEPTIDE	777	Evelyn Avenue E.
Anchor Auto Body and Frame	1028	Evelyn Avenue West
Andhra Bhavan Indian Cuisine	151	El Camino Read E.
Angela's Residential Home Care	578	Mathilda Avenue North
Annapura Snacks	1112	Elko Dr.
Applied Chemical Laboratories, Inc.	526	Almanor Avenue
Applied Materials, Inc.	974	Arques Avenue East
Applied Materials, Inc. Arques Café	974	Arques Avenue East
Applied Micro	215	Moffett Park
Aptus Endosystems	777	Pastoria Avenue North
AQT Solar, Inc.	1145	Sonora Court
Aqua Metrology Systems	1225	E. Arques Ave
ARA AUTOMATED FINISHING	1286	Anvilwood Avenue
Arby's	601	Bernardo Avenue S.
ARCO AM/PM SILICON MINIMART	860	Fremont Avenue W.
Ariake Sushi Boat	759	El Camino Real E.
CompanyName	Address1	Address2
ARK Diagnostics	1190	Bordeaux

Arka	725	S. Fair Oaks Ave
ARMADILLO WILLY'S BBQ	161	El Camino Real E.
Armenian Gourmet	929	Duane Avenue E.
Art Institute of California - Sunnyvale	1120	Kifer Road
Art Stange Foreign & Domestic Car Service	822	Evelyn Avenue West
Asia Village Restaurant	747	Wolfe Road S.
Asteria Grill	507	Ross Drive
Athidhi Indian Cuisine	727	Wolfe Road S.
Atria Senior Living Group	175	E Remington Dr
Auto Champs	771	Mathilda Avenue North
Auto Collision Experts	908	Arques Ave.
AUTO TECHNICA	665	El Camino Real E.
B2 Perfection Body Shop	150	Wolfe Road
Bagel Place Café	546	Lawrence Expwy
Bagel Street Café	348	Maude Avenue West
Baja Fresh Mexican Grill #288	701	Sunnyvale Avenue
BARN THAI	921	Duane Avenue E.
Bavarian Enterprises	205	Washington Avenue E.
Bay Area Geotechnical Group (BAGG)	847	Maude Avenue West
Bay Leaf	122	Sunnyvale Avenue S.
Bay Sushi Japanese Restaurant	1647	Hollenbeck Road
BEAN SCENE GOURMET COFFEE & TEA, THE	186	Murphy Ave. S.
Bella's Bar & Grill	1111	Elko Dr.
Bengali Sweets Café	783	E. El Camino Real
Berkeley Farms	1276	Reamwood
Beryl's Place	1250	Oakmead Parkway
BETTER BENTO	550	Lakeside Drive
Bhavika's Food-to-Go	1053	El Camino Real E.
Bistro Mozart	168	Murphy Ave. S.
Black Angus	740	El Camino Real E.
Bloom energy	1252	Orleans Dr.
Blue Bonnet Sports Bar	208	Fair Oaks Avenue S.
Bogarts	1209	Wildwood Avenue
Bon Chon	572	El Camino Real E.
Boomerang Café	807	11th Ave.
Brass Rail	160	Persian Drive
BREAD BASKET DELI	135	Wolfe Road N.
BRITISH & EUROPEAN	683	El Camino Real E.
Burger King #10957	773	Mathilda Avenue North
C.J. Olson Cherries	348	El Camino Real West
Café Dolce	415	Mary Avenue North
CaliSolar	985	Almanor Avenue
CALSTONE COMPANY	1155	Aster Avenue
CAM HUNG	903	Reed Avenue
Carl's Jr.	1051	El Camino Real E.
Carl's Jr.	1220	Oakmead Parkway
CompanyName	Address1	Address2
Carl's Jr.	1195	El Camino Real W.

Casa Lupe	691	Bernardo Avenue S.
Cedar Crest Nursing and Rehabilitation Center	797	Fremont Avenue E.
Chaat House	889	El Camino Real E.
Chaat House	939	El Camino Real W.
Chavez Supermarket	666	Fair Oaks Ave.
Cheetahs Gentlemen's Club	907	E. Arques Ave
Chef Young's Restaurant	494	Mathilda Avenue North
Chef Yu	163	Murphy Ave. S.
CHELOKABABI	1236	Wolfe Road S.
CHEVRON	1265	Lawrence Station Road
China Wok	1211	S. Mary
Chipolte's #279	324	El Camino Real West
Citala Us. Inc	1281	Reamwood
City of Sunnyvale Corporation Yard	221	Commercial Street
City of Sunnyvale Golf Course Snack Shack	605	Macara Avenue
City of Sunnyvale Landfill	600	Caribbean Drive
Clarita's Filipino Cuisine	905	Duane Avenue E.
Club La Ronda	927	Duane Ave. East
Clubouse Café	1010	Wolfe Road S.
Coco's Family Restaurant	1209	Oakmead Parkway
COFFEE & MORE	100	Murphy Ave. S.
Coherent	1220	Midas Way
COLD STONE CREAMERY	757	El Camino Real E.
Columbia Middle School	739	Morse Avenue
CONTINENTAL MOTOR WORKS	665	El Camino Real E.
COSTCO	150	Lawrence Station Road
COUNTRY GOURMET	1314	Mary Avenue S.
Country Inn and Suites	1300	Chesapeake Terrace
CVS/Pharmacy	576	El Camino Real E.
Da Kine Café	153	E. Fremont Ave.
Daily Donuts	110	Sunnyvale Ave. S
Daily Donuts & Sandwiches	505	Pastoria Avenue South
Daily Donuts and Bagels	708	Caliente Dr.
Dairy Belle Freeze #17	1323	Sunnyvale-Saratoga Road
Da-Les Auto Body	728	San Aleso Avenue
Daniel's B&M Cars	848	Evelyn Avenue West
DEL MONTE RESTAURANT	100	Murphy Ave. S.
Denny's Restaurant #7217	311	Mathilda Avenue South
Denny's Restaurant #7218	814	Ahwanee Avenue
Dim Sum King	824	W. ElCamino
Dionex Corporation Building 1	1228	Titan Way
Dionex Corporation Building 5 Cafeteria	527	Lakeside Drive
Dish Dash	190	Murphy Avenue S.
Dish n Dash	736	Mathilda Avenue North
Domain Hotel	1085	El Camino Real
Domino's Pizza	992	El Camino Real W.
CompanyName	Address1	Address2
Domino's Pizza	615	Caliente Drive

Dr. Burrito	266	E. Java
Dusita Thai	1028	El Camino Real
E Lounge	1102	Evelyn Avenue West
ebr Systems	686	Maude Avenue West
EL CAMINITO MEXICAN RESTAURANT	510	El Camino Real E.
El Cerrito Taqueria	120	Persian Drive
EL POLLO LOCO	996	El Camino Real W.
ELC VETERINARY CLINIC	832	Fremont Ave. E.
Elephant Express	302	Fair Oaks Ave. N.
Enterprise Rental Cars	815	El Camino Real E.
ERIK'S DELI/CAFE	717	El Camino Real E.
European Auto Works	629	Mathilda Avenue North
EUROPEAN CAR REPAIR & SVC	275	Fair Oaks Drive N.
Events of Excellence Catering/Café	745	Wolfe Road S.
F & M AUTO	975	El Camino Real W.
FAIR OAKS 76 - Bestech	603	Old San Francisco Road
Fair Oaks Chevron (gas & car wash)	296	Fair Oaks Avenue
Falafel Bite	1500	Lawrence Expwy
Famous Food Restaurant	872	Old San Francisco Road
Faultline Brewing Company	1235	Oakmead Parkway
FAZ RESTAURANT & BAR	1108	Mathilda Avenue N.
FEDERAL EXPRESS	1286	Lawrence Station Road
Fender's Collision Center	912	Evelyn Avenue West
FERRIS CHIROPRACTIC OFFICE	519	Murphy Ave. S.
FIBBAR MAGEE'S	156	Murphy Ave. S.
Fire House Grill and Brewery	111	South Murphy Avenue
Firestone Tire and Service Center	922	El Camino W.
First Auto Services	205	Wahington Ave. E
FIRST PLACE	830	Evelyn Ave. E.
First Wok	653	S. Bernardo Ave.
Five Guys	116	E. El Camino Real
FOUR D METAL FINISHING, INC.	620	Taylor Avenue East
Fremont High School Cafeteria	1279	Sunnyvale-Saratoga Road
Fremont Shell Gas Station	1300	Sunnyvale-Saratoga Road
Fresh and Easy Neighborhood Market #1319	1180	Fair Oaks Avenue North
FRESH CHOICE	1105	El Camino Real W.
Fresh U Order Bagels - Bakery Café	500	Lawrence
Fujitsu	1250	Arques Avenue E.
GARCIA'S TAQUERIA	738	Fair Oaks Ave. S.
George's Fuel & Auto Repair	996	Evelyn Avenue West
German Motor Specialist	380	San Aleso Avenue
Ginger Café	398	El Camino West
Giovanni's Pizzeria	1127	Lawrence Expressway
Gobi Mongolian BBQ	1135	Tasman Dr.
Godinez Tires	283	Fair Oaks Avenue N.
Golden West Collision Centers	970	Evelyn Avenue West
GOLFLAND USA	855	El Camino Real E.
Gombe Bento	511	Borragas Avenue

CompanyName	Address1	Address2
Grand Hotel	865	El Camino Real W.
Great Vegi Land	562	Murphy S.
Guadalajara Market	827	Borregas Avenue
GUMBA'S ITALIAN RESTAURANT	176	Murphy Avenue S.
H. Butler's BBQ	568	El Camino Real E.
HACIENDA CLEANERS	793	El Camino Real E.
Hanamaru	675	Bernardo Avenue S.
Hank Auto Repair	771	Mathilda Avenue North
HANKOOK Super Deli	1092	El Camino Real E.
HARDY'S BAVARIA	111	Evelyn Avenue W.
HCR Manor Care	1150	Tilton Drive
HENDY AUTO REPAIR	111	Sunnyvale Avenue N.
Hertz Local Edition	510	El Camino Real E
HISTORIC DEL MONTE BUILDING	100	Murphy Ave. S.
Hobee's California Restaurants #7	800	Ahwanee Avenue
HOME DEPOT	680	Kifer Rd.
Hondacraft	906	Evelyn Avenue West
Honeyberry's	1661	Hollenbeck Road
Honeywell	1349	Moffett Park Drive
Honeywell International	1349	Moffett Park Drive
Hot Breads	464	El Camino Real E.
House of Bagels	1681	Hollenbeck Road
House of Kabobs	161	South Murphy Street
House of Pho	1066	E. El Camino Real
HP Palm SV 01 Cafeteria	950	Maude Avenue West
I Do Smog	771	Mathilda Avenue North
I.N.S. Photo Studio	605	El Camino Real E.
iL Postale	127	Washington Street W.
Infinera Corporation	1322	Bordeaux Drive
IN-N-OUT BURGER	604	El Camino Real E.
Innovalight, Inc.	965	Arques Avenue East
J & L Auto Repair	1038	Evelyn Avenue West
J S MOTORS	1164	Willow Ave.
Jack in the Box	813	El Camino Real W.
JAKE'S OF SUNNYVALE	174	Fremont Ave. E.
JAMBA JUICE	797	El Camino Real E.
Jamba Juice #391	415	Mary Avenue North
JANG TU SOONDAE RESTAURANT	1012	El Camino Real E.
JAPANESE BEETLE	928	El Camino Real E.
Java Sushi	262	Java Drive
Jomin's Café and Bake Shop	907	E. Duane
JSR Micro, Inc.	1260	Mathilda Ave. N.
Kabob Afghan and Persian Cuisine	604	S. Mary Ave.
Kabul	833	El Camino Real W.
Kaloci & Son	810	Evelyn Avenue West
Kals's Bar-B-Q	425	Mathilda Avenue North
KAMET Manufacturing Solutions	171	Commercial St.

CompanyName	Address1	Address2
Katana Sushi & Sake	411	East El Camino Real
KENTUCKY FRIED CHICKEN	1065	El Camino Real E.
Kentucky Fried Chicken #159	340	Maude Avenue West
Kentucky Fried Chicken & Taco Bell	1695	Hollenbeck Road
King Wah	219	Washington Ave. E.
KING'S SEAFOOD CENTER INC	425	El Camino Real E.
KOMALA VILAS RESTAURANT	1020	El Camino Real E.
K's Crepes & Café	126	E. Fremont Ave
Kuehne Construction/Kuehne Air Maze	933	Kifer Road
Kuykendall's Auto Body & Frame	1024	Evelyn Avenue West
Kyora Japanese	1217	Wildwood Ave
La Miche	1107	El Camino Real W.
Lake Vista Liquor	1123	N. Lawrence
LAKEWOOD SHELL	1101	Lawrence Expy. N.
LARRY HOPKINS HONDA	1048	El Camino Real W.
Las Islitas Taqueria	848	East Evelyn Avenue
Las Palmas Grill - City Kabob	755	Mathilda Avenue South
Lawrence Hooper, MD Inc.	500	East Remington
Le Boulanger	1080	Enterprise Way
Le Boulanger	305	Mathilda Avenue North
Lee's Sandwiches	939	W. El Camino
LEFCO INC	698	Taylor Ave. E.
LensVector, Inc	675	Palomar Avenue
Le's Auto Repair	912	Evelyn Avenue West
LESLIE'S POOL SUPPLY	569	El Camino Real E.
Lilly Mac's	187	S. Murphy Av
Lion & Compass	1023	Fair Oaks Avenue N.
Little Caesar's Pizza #5044	1039	Sunnyvale-Saratoga Road
Little India Café	415	Maude Avenue West
Little Michoacan	305	North Fair Oaks Avenue
LMMS	1111	Lockheed Martin Way
LMMS GES	1111	Lockheed Martin Way
Lockheed 157	1111	Lockheed Way
Lockheed 182	1111	Lockheed Way
Lockheed Martin Corp.Groundwater Extraction	1235	Elko Dr.
LONGHORN CHARCOAL PIT	102	Fremont Avenue E.
Lookout Inn Restaurant, Inc.	605	Macara Avenue
LUCKY DHABA	1034	El Camino Real E.
Lucky Foods (Save Mart #780)	484	Mathilda Avenue North
LUX MANUFACTURING, INC.	151	San Lazaro Ave.
MAACO Auto Body	1042	Evelyn Avenue West
Madhuban Indian Cuisine	544	Lawrence Expressway
MADRAS CAFÉ, INC.	1177	El Camino Real W.
Madura Veg Indian Cuisine	1635	Hollenbeck Avenue
MAGIC WOK	734	Wolfe Road S.
Maple Tree Inn	711	El Camino Real E.
Marchetti's (Rick) Auto Service	1026	Evelyn Avenue West

CompanyName	Address1	Address2
MARIE CALLENDER'S	751	El Camino Real E.
Marty's Donut Shop	350	Maude Avenue West
Mathilda Valero #7669 Auto Service	498	Mathilda Avenue North
Maxim	433	Mathilda Avenue N.
Maxim Integrated Products, Inc.	929	E. Arques
Mc Donald's #6867	615	Mathilda Avenue North
McDonald's	550	Lawrence Expressway
McDonald's	1169	El Camino Real W.
McDONALD'S RESTAURANT	556	El Camino Real E.
McHenry's	415	E. El Camino Real
Medina's Kitchen	911	E. Duane
Medtronic	480	Java Dr.
Meggitt (Endevco MEMS)	355	Pastoria Avenue N.
Mellow's Nursery	221	Mathilda Avenue North
MERCADO LA TORRE INC	614	Evelyn Ave. E.
Merit Vegetarian	548	Lawrence Expressway
Mi Ranchito Produce	259	Maude Avenue East
Mi Rancho	255	S. Mary
MiaSole	435	Oakmead Parkway
MICRO LITHOGRAPHY, INC.	1247	Elko Dr.
MICRO LITHOGRAPHY, INC.	1257	Elko Dr.
MID Auto Service	1155	Willow Ave.
Minh's Vietnamese Restaurant	1274	Persian Dr.
Mission City Café	510	Lawrence Exp
MOHAWK LABORATORIES DIV OF NCH CORP	932	Kifer Rd.
MOLECULAR DEVICES, INC.	1311	Orleans Drive
Moose Family Center	905	Kifer
MURPHY AVENUE PET CLINIC	101	Hendy Ave. W.
MURPHY'S LAW	135	Murphy Ave. S.
Neoconix 2	715	Pastoria Avenue North
NetApp	495	E. Java
New Chef Lee's Chinese Restaurant	1115	Tasman Drive
New Port Restaurant	1686	S. Wolfe Road
New Wing Yuan Market	1139	N. Lawrence
NEW YORK STYLE SAUSAGE CO	1228	Reamwood Avenue
Nissan Sunnyvale	880	El Camino Real E.
Nizaro's Pizza	725	Sunnyvale-Saratoga Road
NORTHROP GRUMMAN CORPORATION	401	Hendy Ave. E.
NORTHROP-GRUMMAN CORP GTS	401	Hendy Ave. E.
Nothing Bundt Cakes	939	W. El Camino
OASIS	952	El Camino Real E.
Ocean Blue Sushi Club	1010	El Camino Real E.
OEPIIC Inc.	1231	Boredeaux Drive
OK Auto Body & Repair	210	Ahwanee Avenue

CompanyName	Address1	Address2
OLIVER INSTRUMENTS INC	922	California Avenue E.
Ollen Sushi & Tofu House	595	E. El Camino Real
Onda Corporation	592	East Weddell Drive East
ONE DAY CLEANER	417	El Camino Real E.
One Love Pizza	109	Fremont Ave E.
O'Reilly Auto Parts	815	El Camino Real E.
Ourplace Indian Cuisine	685	E. El Camino Real
P. F. Chang's China Bistro #6900	390	El Camino Real West
PACIFIC AUTO ELECTRIC	105	Weddell Drive W.
PACIFIC CERAMICS	824	San Aleso Avenue
Pacific Coast Trane Service	310	Soquel Way
Pacific Inn of Sunnyvale	170	Sunnyvale Avenue S.
Pad Thai Restaurant	500	Lawrence Expressway
Palace Bar-B-Que Buffet	1092	El Camino Real E.
PALACE CAFÉ	139	Murphy Ave. S.
Palladium Nightclub	767	Mathilda Avenue North
Panda Express	790	El Camino Real E.
Panera Bread	118	E. El Camino Real
PAPA MURPHY'S	939	El Camino Real W.
Paredes Autoworks	1062	El Camino Real E.
Parkinson's Institute & Clinical Center	675	Almanor Avenue
Pasta Pomodoro	300	El Camino Real West
PATIO, The	944	El Camino Real E.
Paul & Harvey's	130	Murphy Avenue S.
Peacock Lounge	102	Fremont Ave. E.
Pearson Automobile Company	1176	El Camino Real W.
PEBBLE ROPPPONGI	160	Francis Ave. S.
Peet's Coffee and Tea #135	144	El Camino Real West
PENINSULA BUILDING MATERIALS CO	1175	Aster Ave.
Pep Boys	170	El Camino Real E.
PEPSI COLA BOTTLING COMPANY	960	Kifer Rd.
PESARATTU	893	E. El Camino Real
Pezzella's Villa Napoli	1025	El Camino Real W.
Pharmacyclics, Inc.	995	Arques Avenue East
Pho Bin Little Saigon	855	Homestead Road E.
Pho Binh Minh Sunrise Noodle House	1129	Lawrence Expressway
Pho Nam	1205	Wildwood Avenue
PHO NAM RESTAURANT	844	El Camino Real W.
PHO QUEEN NOODLE HOUSE	1133	Tasman Drive
PHO QUYEN NOODLE HOUSE	1185	El Camino Real W.
Pho Vy	913	Duane Ave E.
Pho Wagon Restaurant	1627	Hollenbeck Road
Phuong Thao	155	South Murphy Avenue
Pierre's Tailorshop & Dry Cleaning	147	E. Washington Ave.
Pinkberry	122	East El Camino Real
PIZZA DEPOT	919	Duane Avenue E.
Pizza Hut	1241	El Camino Real W.

CompanyName	Address1	Address2
Pizza Hut #011668	464	Mathilda Avenue North
Pizza My Heart	110	E. El Camino Real
Pizzeria Piana	1287	Mary Avenue S.
Popeyes Chicken and Biscuits	802	w. El Camino
PRECISION TUNE AUTO CARE	1004	El Camino Real W.
PURE LOUNGE	146	S. Murphy Street
Qualitek	1225	Elko Dr
QUALITY AUTO CENTER	1062	El Camino Real E.
Quality Tune Up Shop (#2)	696	Mathilda Avenue North
Quarter Note Bar and Grill	1214	Apollo Way
Quickly	1149	N Lawrence
Quiznos Sub	251	S. Mary Ave.
Rainbow Car Wash and Detail	975	El Camino Real E.
Rajjot	1234	Wolfe Road S.
Raytheon Applied Signal Technologies, Inc.	490	California Avenue West
REC Solar	167	Commercial
Remington Podiatry Group	697	Reminton Dr. E
Rene Rose	621	Caliente Dr.
Resurrection School & Church	1395	Hollenbeck Road
RILEY CHIROPRACTIC	939	El Camino Real W.
Road Runner Automotive	711	East Evelyn Avenue
Rok Bistro	124	Murphy Ave. S.
RON'S TRANSMISSIONS	932	El Camino Real W.
Rooster T. Feathers Comedy Club	157	El Camino Real West
ROUND TABLE PIZZA	860	Old San Francisco Road
ROUND TABLE PIZZA	665	Bernardo Avenue S.
Round Table Pizza #4	1663	Hollenbeck Road
Round Table Pizza #713	415	Mary Avenue North
Rubio's Fresh Mexican Grill	108	E. El Camino Real
Ruby's Pan Dulce	829	Borregas Avenue
Ruby's Taqueria	821	Borregas Avenue
Safeway	785	El Camino Real E.
Safeway	639	Bernardo Avenue S.
Safeway Foods #313	1601	Hollenbeck Road
Safeway Inc. #2887	150	El Camino Real East
Saigon Hong Kong Restaurant	1135	Lawrence Expressway
Saizo	592	El Camino Real E.
Sakura Sushi	173	South Murphy Avenue
Saravanaa Bhavan	1305	S. Mary Ave.
Savory and Sweet	149	Hendy Avenue
Sawa Sushi	1042	El Camino Real E.
Scandia Auto Service	848	Evelyn Avenue West
Senor Jalepeno	415	Mary Avenue North
Senzala	250	E. Java
Seto Tempura House	511	Borregas Avenue
Shalimar Restaurant	1146	W. El Camino Real
Shanghai Flavor Shop	888	Old San Francisco Road

CompanyName	Address1	Address2
Shanghai Restaurant	253	Maude Avenue East
Shaw's Sandwiches	470	Mathilda Avenue North
SHELL - westmore	925	Fremont Avenue W.
Shell (Mathilda)	776	Mathilda Avenue North
SHELL- Wolfe Auto Service	703	Wolfe Road S.
Shirin Deli & Market	582	Murphy Ave S
Siam Taste	172	South Murphy Street
Sichuan Gourmet	542	Lakeside Dr.
Sierra Proto Express, Inc.	1108	Evelyn Avenue West
SILICON VALLEY AUTO BODY	327	Weddell Drive
SMaRT STATION-Bay Counties Waste Services	301	Carl Road
Smoothie King #644	398	El Camino Real West
Sneha Indian Dining	1214	Apollo Way
Spansion LLC	915	Deguigne Drive
Spansion LLC	915	Deguigne Drive
Specialty Café and Bakery	605	Tasman
Specialty's Café & Bakery	605	Tasman
SpeedDee Oil Change & Tune Up #17-049	695	Homestead Road West
Spice Hut	594	El Camino Real E.
Sporty's Bikini Bar	1053	El Camino Real E.
Sprouts Farmers Market	111	E El Camino Real
St. Cyprian's Church and School	195	Leota Avenue
St. John's Bar & Grill	510	Lawrence Expressway
St. Martin School	597	Central Avenue
Starbucks	201	S. Mary Ave.
Starbucks #2885	460	Mathilda Avenue North
Starbucks Coffee	795	El Camino Real E.
STARBUCKS COFFEE	1291	Mary Avenue S.
Starbucks Coffee #631	1687	Hollenbeck Road
Starbucks Coffee #5981	332	El Camino Real West
Staybridge Suites	900	Hamlin Court
STEVEN'S CLASSIC PHILLY CHEESESTEAK	1121	Tasman Drive
Subway	264	Java Drive
Subway	500	Lawrence Expressway
SUBWAY	605	El Camino Real E.
Subway	956	El Camino Real W.
Subway	1044	El Camino Real E
Subway	1139	Tasman Dr.
SUBWAY	704	Wolfe Rd. S.
Subway Sandwiches #5834	415	Mary Avenue North
Sugar, Butter, Flour	669	S. Bernardo Ave.
Sunny Auto Care	1170	Willow Ave.
Sunny V Café	1133	Lawrence Expressway
Sunnyvale 76	1198	El Camino Real W.
Sunnyvale Art Gallery Café	251	El Camino Real
Sunnyvale Auto Spa	1005	El Camino Real W.
Sunnyvale Buffet	830	East El Camino Real

CompanyName	Address1	Address2
Sunnyvale Car Wash & Detail	905	El Camino Real E.
Sunnyvale Chiropractic	481	Murphy Ave. S.
Sunnyvale Collision Care Centers	904	Arques Ave. E.
Sunnyvale Elks Lodge	375	Pastoria Avenue North
Sunnyvale Health Care Center	1291	S. Bernardo
Sunnyvale Motorcars	681	El Camino Real E.
SUNNYVALE OLYMPIC Valero	750	Bernardo Avenue S.
Sunnyvale Presbyterian Church	728	Fremont Avenue West
SUNNYVALE SCHOOL DISTRICT	825	Iowa Avenue W.
Sunnyvale Senior Center	550	E. Remington Drive
Sunnyvale Smog Center	1062	El Camino Real E.
SUNNYVALE TOWING	247	Commercial Street
Sunnyvale Unocal - Truman Auto Care	499	Mathilda Avenue North
Sunpreme, Inc.	615	Palomar
Sunrise Senior Living	633	Knickerbocker S.
Super Burrito	1671	Hollenbeck Road
Super Sunnyvale Market	933	E Duane Ave
Susan's Donuts & Snacks	1113	Tasman Drive
Sushi Blvd	903	E. Duane Ave.
Sushi Club	415	Mary Avenue North
Svaya	275	Santa Ana Court
Swathi Tiffins	1202	Apollo Way
SWEET TOMATOES	1210	Kifer Road
Synopsys Bldg. 8	1030	Maude Avenue West
Szechuan Garden Express	1677	Hollenbeck Avenue
T.D. Auto Repair and Service	683	East El Camino Real
TACO BELL	811	Kifer Road
Taco Bell	1109	Tasman Drive
TACO BELL #3208	991	El Camino Real W.
Tacos Jalapa	154	El Camino Real West
Tanto Japanese Restaurant	1063	El Camino Real E.
TAO TAO	175	Murphy Avenue S.
Tapioca Express	808	W. El Camino Real
Taqueria El Grullo	620	Evelyn Ave. E.
Taqueria Latina	201	Maude Avenue East
Target	298	McKinley Ave W.
TARRAGON	140	Murphy Avenue S.
Taste Buds	673	Grape Ave.
Taste Nutrition Services	1296	Kifer Road
Tasty Subs and Pizza	528	Lawrence Exp.
Taverna Bistro	133	Murphy Avenue S.
Taverna Lounge	769	Mathilda Avenue North
THAI BASIL #1	101	Murphy Avenue. S.
Thai Lemongrass	573	E El Camino Real
Thai Pepper	103	Fremont Ave. E.
THAI SPOONS	909	El Camino Real W.
The Bay Fish & Chips	826	El Camino Real W.

CompanyName	Address1	Address2
THE FRENCH QUARTER	193	Murphy Avenue S.
The Motor Café (HONDA PENINSULA)	1289	El Camino Real W.
The Old Siam	1111	W. El Camino
The Pasta Market	460	El Camino Real E.
THUY'S TAILORS AND CLEANERS	159	Sunnyvale Ave. S.
TIA JUANA MEXICAN RESTAURANT	901	Duane Avenue E.
TOGOS	1253	El Camino Real W.
Togo's	540	Lawrence Expressway
TOGO'S	561	El Camino Real E.
Togo's Eatery	1220	Crossman Avenue
Togo's Eatery #334704	1683	Hollenbeck Road
Tom's Auto Repair	1004	W. El Camino
Tom's Auto Repair	1004	W. El camino
TONY & BROS	281	Fair Oaks Avenue N.
Toyota Certified	1124	W. El Camino
TOYOTA SUNNYVALE	898	El Camino Real W.
Tres Potrillos Taqueria	670	Fair Oaks Avenue N.
Trinity Church	477	Mathilda Avenue North
Trinity Church	477	Mathilda Avenue North
TRU-SI TECHNOLOGIES	657	Pastoria Avenue N.
Tu Mero Mole	590	Old San Francisco rd
TURMERIC INDIAN CUISINE	141	Murphy Ave. S.
Tutti Frutti Frozen Yogurt	127	S. Murphy Ave
TW Manufacturing LLC	1223	Bordeaux Drive
UHAUL	939	El Camino Real E.
UNAMAS	548	Lawrence Expressway
Unilever Manufacturing Company	1484	Kifer Road
Union 76 (Sunnyvale-Saratoga Road)	1296	Sunnyvale-Saratoga Road
UNITED PARCEL SERVICE	1245	Hammerwood Avenue
UPS	925	Morse Ave.
Valero	698	Fair Oaks Avenue N.
Vargas Elementary School	1054	Carson Drive`
Vargas Upholstery	675	El Camino Real E.
Vito's Pizzeria	1155	Reed Avenue
W.L. GORE AND ASSOCIATES, INC.	1327	Orleans Dr.
Walgreens	105	El Camino Real E.
Wellness Chiropractic	730	El Camino Real E.
Wendy's	1313	Wolfe Road S.
Wendy's Old Fashioned Hamburgers #528	485	Mathilda Avenue North
WESTAK	1272	Forgewood Dr.
WESTCOR A DIVISION OF VICOR	560	Oakmead Pkwy.
Wheel Works	1291	W. El Camino
WINDSOR FISH & CHIPS	876	Old San Francisco Road
Wing Stop #451	1661	Hollenbeck Avenue
Wok's On Express	156	El Camino Real West
World Oil #50	117	Maude Avenue West
Yahoo!, Inc.	781	First Avenue

CompanyName	Address1	Address2
Yume - Ya Japanese Restaurant	150	El Camino Real West
Zuccato's Auto Care	1026	Evelyn Avenue West

FY 2011-2012 Annual Report
Permittee Name: City of Sunnyvale

Section 5
Provision C.5 Illicit Discharge Detection and Elimination

Appendix 5-1:
C.5.e.iii Evaluation of Collection System Screening Program
Outfall Inspection Results FY 11-12

Appendix 5-1 - City of Sunnyvale Outfall Inspections Data Collection FY 11-12																						
Date	Time	Outfall ID Number or Location	Inspector(s) Names	Last Rainfall Date	Catchment Area Type (1)	Catchment Area Type (2)	Catchment Area Type (3)	Catchment Area Type (4)	Standing Water Present	Flow from Outfall	Approximate Depth of Flow (inches)	Estimated Trash Volume	Odor	Color	Turbidity	Hydro-carbon Sheen	Sediment	Other Observations	Illicit Discharge Observed	Pretreatment Division Notified	If yes, Date & Time of Notification	Comments
8/2/2011	7:45 AM	S 513 - 675 Almaron #513 - SV West Channel	Choun & McCumby	6/28/2011	Heavy Industrial	Light Industrial	Industrial Park		No	Steady	6.0	Low	Absent	Absent	Non-Detect	Non-Detect	Non-Detect		No	No		Access to channel blocked by construction fencing. Accessible only at box culvert fence. Site is box culvert outfall "daylight" for all SV West collection system to the south
8/2/2011	8:10 AM	S 529 - Hamlin Ct #529 - SV West Channel	Choun & McCumby	6/28/2011	Heavy Industrial	Light Industrial	Industrial Park		No	Steady	6.0	Low	Absent	Absent	Non-Detect	Non-Detect	Non-Detect		No	No		Box culvert daylight area north of Hwy 101 crossing.
8/2/2011	8:20 AM	S 569 - 1120 Mathilda - SV West Channel	Choun & McCumby	6/28/2011	Heavy Industrial	Light Industrial	Industrial Park		No	Steady	5.0	Low	Absent	Absent	Non-Detect	Non-Detect	Non-Detect		No	No		Box culvert daylight area after Hwy 237 and Mathilda Ave crossing.
8/2/2011	8:25AM	S 569 Between 100 ft N of Bordeaux and Mathilda - 24" (non-city outfall) SV West Channel	Choun & McCumby	6/28/2011	Light Industrial	Industrial Park			No	None	0.0	Low	Absent	Absent	Non-Detect	Non-Detect	Non-Detect	Outfall dry	No	No		Outfall on north side of channel, draining industrial park area, closer to Mathilda
8/2/2011	8:30 AM	S 569 - Between Bordeaux and Mathilda - 24" (non-city outfall) SV West Channel	Choun & McCumby	6/28/2011	Light Industrial	Industrial Park			No	None	0.0	Low	Absent	Absent	Non-Detect	Non-Detect	Non-Detect	Outfall dry	No	No		Outfall on north side of Channel, draining industrial park area closer to Bordeaux
8/2/2011	10:00 AM	S161 - Stevens Creek and Fremont Ave bridge intersection	Choun & McCumby	6/28/2011	Residential	Commercial			No	None	0.0	Low	Absent	Absent	Non-Detect	Non-Detect	Non-Detect	Outfall dry	No	No		Outfall on east side of creek
8/2/2011	10:07 AM	S 170 -Fremont Ave at Sunnyvale East Channel Crossing, near 665 Ashborne Drive	Choun & McCumby	6/28/2011	Residential				No	None	0.0	Low	Absent	Absent	Non-Detect	Non-Detect	Non-Detect	Outfall dry	No	No		Outfall close to Ashborne Drive
8/2/2011	10:15 AM	S 170 - Fremont Ave at SV East channel intersection, under bridge, north side.	Art Vences	6/28/2011	Residential	Commercial			Yes	Trickle	>1.0"	Low	Absent	Absent	Non-Detect	Non-Detect	Non-Detect		No	No		Outfall under roadway crossing
8/2/2011	10:30 AM	S231 - El Camino intersection with SV East Channel Box culvert daylight	Choun & McCumby	6/28/2011	Commercial	Residential			Yes	Trickle	>1.0"	Low	Absent	Absent	Non-Detect	Non-Detect	Non-Detect	Very small flow coming from box culvert. Most of channel base is dry.	No	No		Last year blue water observed at this point. No color to water visible this year and quantity of water present is low.
8/2/2011	10:35 AM	S-231 -12" pipe outfalls into box culvert at El Camino crossing -east side of SV East channel	Choun & McCumby	6/28/2011	Commercial	Residential			No	None	0.0	Low	Absent	Absent	Non-Detect	Non-Detect	Non-Detect	Some brownish staining at base of outfall pipe #1. Appears to be algae.	No	No		Two 12" pipes about 20-30 ft apart on east side of concrete channel wall. Both are dry.
8/2/2011	10:50 AM	S270 - Old San Francisco Rd at SV East Channel crossing, south side	Choun & McCumby	6/28/2011	Residential				No	None	0.0	Low	Absent	Absent	Non-Detect	Non-Detect	Non-Detect	Outfall dry	No	No		Some brush at outfall pipe -pulled it out.
8/2/2011	10:55 AM	S270 - Old San Francisco Rd at SV East Channel crossing, North side	Art Vences	6/28/2011	Commercial	Residential			Yes	Trickle	>1.0"	Low	Absent	Absent	Non-Detect	Non-Detect	Non-Detect	Large pipe (~60 in diameter)	No	No		Most of channel dry. Just a small damp area downstream of pipe.
8/2/2011	11:00 AM	S310 - Intersection of Britton & McKinley at SV East Channel	Choun & McCumby	6/28/2011	Residential				No	None	0.0	Low	Absent	Absent	Non-Detect	Non-Detect	Non-Detect	Outfall dry	No	No		Access to site from East Evelyn & SV East channel crossing, to the south ~200 ft
8/2/2011	11:15: AM	S310 Intersection of East Evelyn & SV East Channel, west side under bridge 30" RCP	McCumby & Vences	6/28/2011	Residential	Commercial			Yes	Trickle	>1/4"	Low	Absent	Absent	Non-Detect	Non-Detect	Non-Detect	Very little water coming from pipe	No	No		Access from westbound lane of Evelyn at bridge crossing - pipe under bridge
8/2/2011	11:05 AM	S310 Intersection of East Evelyn & SV East Channel, east side under bridge 18" RCP	McCumby & Vences	6/28/2011	Residential	Industrial Park			No	None	0.0	Low	Absent	Absent	Non-Detect	Non-Detect	Non-Detect	Outfall dry	No	No		Access from westbound lane of Evelyn at bridge crossing - pipe under bridge
8/2/2011	12:15 PM	S331 - Intersection of Kifer at SV East Channel, 24" outfall, west side	Choun & McCumby	6/28/2011	Heavy Industrial	Light Industrial	Commercial		No	None	0.0	Low	Absent	Absent	Non-Detect	Non-Detect	Non-Detect	Outfall dry	No	No		Access from westbound lane at Kifer Rd bridge crossing of SV East Channel - outfall under bridge
8/2/2011	12:20 PM	S331 Intersection of Kifer at SV East Channel 18" outfall east side	Choun & McCumby	6/28/2011	Heavy Industrial	Light Industrial	Commercial		No	None	0.0	Low	Absent	Absent	Non-Detect	Non-Detect	Non-Detect	Outfall dry	No	No		Access from westbound lane at Kifer Rd bridge crossing of SV East Channel - outfall under bridge

Date	Time	Outfall ID Number or Location	Inspector(s) Names	Last Rainfall Date	Catchment Area Type (1)	Catchment Area Type (2)	Catchment Area Type (3)	Catchment Area Type (4)	Standing Water Present	Flow from Outfall	Approximate Depth of Flow (inches)	Estimated Trash Volume	Odor	Color	Turbidity	Hydro-carbon Sheen	Sediment	Other Observations	Illicit Discharge Observed	Pretreatment Division Notified	If yes, Date & Time of Notification	Comments
8/2/2011	12:20 PM	S331 South of Kifer bridge - not on city outfall map, west side of SV East channel 12"CGP	McCumby & Vences	6/28/2011	Commercial				No	None	0.0	Low	Absent	Absent	Non-Detect	Non-Detect	Non-Detect	Outfall dry	No	No		Access from eastbound lane at Kifer Rd. bridge, about half-way to RR track crossing.
8/2/2011	12:30 PM	S331 South of Kifer Bridge at RR ROW bridge 18" RCP on west side of SV East channel	McCumby & Vences	6/28/2011	Heavy Industrial	Light Industrial	Commercial		No	Trickle	>1/2"	Low	Absent	Absent	Non-Detect	Non-Detect	Non-Detect	Small amount of water coming from pipe	No	No		Access from eastbound lane at Kifer Rd. bridge. Outfalls uner RR track crossing bridge.
8/2/2011	12:35 PM	S331 South of Kifer Bridge at RR ROW bridge two-18" RCP on east side of SV East channel	McCumby & Vences	6/28/2011	Heavy Industrial	Light Industrial	Commercial		No	None	0.0	Low	Absent	Absent	Non-Detect	Non-Detect	Non-Detect	Outfall dry	No	No		Access from eastbound lane at Kifer Rd. bridge. Outfalls uner RR track crossing bridge.
8/2/2011	12:49PM	S372 Central Expressway and California Ave at SV East intersection	Choun & Vences	6/28/2011	Light Industrial	Other	Commercial		Yes	High	~5" in pipe	Low	Absent	Absent	Non-Detect	Non-Detect	Non-Detect	Outfall with significant flow	No	No		Checked with County Roads and this outfall collects the groundwater from the Central Expressway pump stations and discharges it into the Sunnyvale East Channel at this point. High flows are from Water Board-permitted Pump stations.
8/2/2011	1:15 PM	S389 Intersection of Taylor & Britton at the Sunnyvale East Channel	Choun & Vences	6/28/2011	Light Industrial	Residential			No	None	0.0	Low	Absent	Absent	Non-Detect	Non-Detect	Non-Detect	Significant flow in channel, but not coming from this outfall. - downstream of Central Expressway pump station outfall.	No	No		Significant flow in channel is covering the flap gate on the outfall. Water not entering channel from this pipe.
8/2/2011	1:45 PM	S468 Intersection of Awhanee Dr. and SV East Channel, south of Highway 101 - three outfalls inspected between Awhanee and Blythe Ave intersection	McCumby, Choun, & Vences	6/28/2011	Residential				No	None	0.0	Low	Absent	Absent	Non-Detect	Non-Detect	Non-Detect	Outfalls Dry				Flow in channel from upstream pump station outfall at Central Expressway.
8/2/2011	2:10 PM	S295 Behind 1122 Aster - 60" RCP coming into El Camino Channel	McCumby & Vences	6/28/2011	Residential	Light Industrial			Yes	Trickle	>1/4"	Low	Absent	Absent	Non-Detect	Non-Detect	Non-Detect	Steady trickle from large pipe				Access site from access road at Willow and Aster intersection with El Camino Channel, - about 100 yards west of Willow.
8/2/2011	2:30 PM	S295 Four small outfall pipes from adjacent properties, not on City SDI map that drain to El Camino channel between Willow & Aster intersection and 1122 Aster RCP	McCumby & Vences	6/28/2011	Residential	Light Industrial			No	None	0.0	Low	Absent	Absent	Non-Detect	Non-Detect	Non-Detect	Outfalls Dry	No	No		Four outfalls obser in this reach of the El Camino Channel, draining from high density residential and light industrial properties.
8/2/2011	3:00 PM	S 338 Intersection of Kifer Rd at Calabazas Creek, north side of road.	McCumby, Choun, & Vences	6/28/2011	Light Industrial	Industrial Park			Yes	Trickle	>1/2"	Low	Absent	Absent	Non-Detect	Non-Detect	Non-Detect	Steady trickle coming from pipe, but flap gate is closed.	No	No		Flow present in Calabazas Creek hardened channel. Site accesible from north side of Kifer.
8/2/2011	3:15 PM	S423 Intersection of Wildwood at Calabazas Creek (72' outfall)	McCumby, Choun, & Vences	6/28/2011	Light Industrial	Industrial Park	Commercial	Residential	Yes	Steady	~ 4"	Low	Absent	Absent	Non-Detect	Non-Detect	Non-Detect	Steady flow from upstream. High GW in area.	No	No		Flow from HWY 101 and adjacent properties. Shallow GW in this area. Water is clear and does not appear to be coming from any industrial activity

FY 2011-2012 Annual Report
Permittee Name: City of Sunnyvale

Section 9
Provision C.9 Pesticides Toxicity Controls

**Appendix 9-1: C.9.d Sample Contract Language Requiring Contractors to
Follow City's IPM Policy**



ORDERED FROM 14842 - 001 Bay-Valley Pest Control Inc 120 Kennedy Ave Campbell, CA 95008 (408) 370-1603	ORDER DATE 5/9/2011	BILL TO: City of Sunnyvale Finance Department Accounts Payable PO Box 3707 Sunnyvale, CA 94088-3707
	EFFECTIVE DATE 7/1/2011	
	EXPIRATION DATE 6/30/2012	
	CONTRACT AMOUNT \$24,000.00	
REQUISITIONING DEPARTMENT (7003) DPW/Ops - Facilities Maintenance	FOB	FREIGHT CHARGES
	PAYMENT TERMS N/30	BID NO



ITEM	DESCRIPTION	UNIT	UNIT COST
1	<p>Blanket order to provide regular pest control services for rodent and insect control for a one-year period.</p> <p>Civic Center Complex (Includes City Hall, City Hall Annex, City Hall South Annex, Public Safety Headquarters, Public Library and Sunnyvale Office Center @ \$43.00/mo. each.)</p> <p>Community Center Complex (Includes Recreation Building, Sports Center Complex, Cultural Arts Building, Theatre and Senior Center @ \$59.00/mo each.)</p> <p>Columbia/AMD Sports Center</p> <p>Corporation Yard (Includes Central Stores Warehouse @ \$32.00/mo., Administration Building @ \$56.00/mo. and Modular Building @ no additional charge.</p> <p>Fire Stations (Includes Fire Stations #1 through #6 @ \$42.00/mo. each.)</p> <p>Water Pollution Control Plant</p> <p>Baylands Park Maintenance Building</p> <p>Miscellaneous Services, Upon Request \$120.00/HR</p> <p>Miscellaneous pest control work, as required.</p> <p>Requisition Number: RQ008037</p> <p>This purchase order replaces BL002404.</p> <p>1. The contractor shall follow the policies for Integrated Pest Management outlined in the City's Administrative Policy Manual, Chapter 6, Article 12 - Integrated Pest Management Policy for City-Owned Facilities for both structural or landscape pest control activities.</p> <p>2. The Contractor shall provide records on location, product name, manufacturer, EPA/California registration number from the label, and quantity (pounds or gallons) of pesticides applied to city-owned property or structures to the Environmental Division Manager on a monthly basis for NPDES Stormwater Permit reporting purposes.</p> <p>3. Before any of the pesticides listed in the Administrative Policy Manual, Chapter 6, Article 12, Subdivision 3.B (Pesticides of Concern) are applied, the contractor must provide a written recommendation from a Pest Control Advisor, licensed by the State of California, Department of Pesticide Regulations that includes a justification for its use, lists other approaches and techniques that have been considered and determined to be ineffective, and how adverse water quality impacts will be eliminated through the use of appropriate application techniques.</p>	DLR	\$1.0000



AUTHORIZED DEPARTMENT(S)

NO	DEPT NAME	RELEASE AMT
7003	DPW/Ops - Facilities Maintenance	\$5,000.00

DOCUMENT TERMS

This purchase order is subject to the City of Sunnyvale Standard Terms and Conditions for the Purchase of Services, dated 10/8/2010, a copy of which is attached and incorporated by reference (Form #TCBPO-S). Invoices must be sent directly to Accounts Payable at the address above and must reference the purchase order number. Failure to comply will result in a delay in payment processing.

BUYER:

Cornejo, Perry

PHONE (408) 730-7572

FAX (408) 730-7710



FY 2011-2012 Annual Report
Permittee Name: City of Sunnyvale

Section 10
Provision C.10 Trash Load Reduction

Appendix 10-1: C.10.d Summary of Trash Reduction
Actions and Loads Reduced – Uncovered Load Municipal Code

8.16.190. Vehicles, conveyances and containers—Applicable regulations.

(a) All vehicles, conveyances or containers used for hauling solid waste within the city shall be of such construction as to comply fully with all laws, rules and regulations of the state of California pertaining thereto, and shall be of a type and construction to prevent leakage, spillage or overflow. This chapter is intended to implement the requirements of Vehicle Code Section 23114, or its successor statute.

(b) Any operator of an uncovered open bed truck hauling waste and recyclables for disposal at the SMaRT station shall be subject to payment of a fee for which the operator shall receive a tarp to be used for covering debris and solid waste. The fee for the truck tarp shall be established from time to time by resolution of the city council. (Ord. 2954-11 § 2; Ord. 2614-99 § 1 (part)).

FY 2011-2012 Annual Report
Permittee Name: City of Sunnyvale

Section 10
Provision C.10 Trash Load Reduction

Appendix 10-2: C.10.d Summary of Trash Reduction
Actions and Loads Reduced - Plastic Carryout Bags Municipal Code

Chapter 5.38. PLASTIC CARRYOUT BAGS

5.38.010. Definitions.

The following definitions apply to this chapter:

- (1) “Customer” means any person purchasing goods from a store.
- (2) “Operator” means the person in control of, or having the responsibility for, the operation of a store, which may include, but is not limited to, the owner of the store.
- (3) “Person” means any natural person, firm, corporation, partnership, or other organization or group however organized.
- (4) “Plastic carryout bag” means any bag made predominantly of plastic derived from either petroleum or a biologically-based source, such as corn or other plant sources, which is provided to a customer at the point of sale. “Plastic carryout bag” includes compostable and biodegradable bags but does not include reusable bags, produce bags, or product bags.
- (5) “Postconsumer recycled material” means a material that would otherwise be destined for solid waste disposal, having completed its intended end use and product life cycle. “Postconsumer recycled material” does not include materials and by-products generated from, and commonly reused within, an original manufacturing and fabrication process.
- (6) “Produce bag” or “product bag” means any bag without handles provided to a customer: (A) to carry produce, meats, or other food items to the point of sale inside a store; (B) to hold prescription medication dispensed from a pharmacy; (C) to protect food or merchandise from being damaged or contaminated by other food or merchandise when items are placed together in a reusable bag or recyclable paper carryout bag; or (D) a bag without handles that is designed to be placed over articles of clothing on a hanger.
- (7) “Recyclable” means material that can be sorted, cleansed, and reconstituted using available recycling collection programs for the purpose of using the altered form in the manufacture of a new product. “Recycling” does not include burning, incinerating, converting, or otherwise thermally destroying solid waste.
- (8) “Recyclable paper carryout bag” means a paper bag that meets all of the following requirements: (A) is one hundred percent recyclable overall and contains a minimum of forty percent post-consumer recycled material; (B) is capable of composting, consistent with the timeline and specifications of the American Society of Testing and Materials (ASTM) Standard D6400; (C) is accepted for recycling in curbside programs in the city; (D) has printed on the bag the name of the manufacturer, the location (country) where the bag was manufactured, and the minimum percentage of postconsumer recycled material used; and (E) displays the word “Recyclable” in a highly visible manner on the outside of the bag.
- (9) “Reusable bag” means a bag with handles that is specifically designed and manufactured for multiple reuse and meets all of the following requirements: (A) has a minimum lifetime of one hundred twenty-five uses, which for purposes of this subsection, means the capability of carrying a minimum of twenty-two pounds one hundred twenty-five times over a distance of at least one hundred seventy-five feet; (B) has a minimum volume of fifteen liters; (C) is machine washable or is made from a material that can be cleaned or disinfected; (D) does not contain lead, cadmium, or any other heavy metal in toxic amounts; (E) has printed on the bag, or on a tag that is permanently affixed to the bag, the name of the manufacturer, the location (country) where the bag was manufactured, a statement that the bag does not contain lead, cadmium, or any other heavy metal in toxic amounts, and the percentage of postconsumer recycled material used, if any; and (F) if made of plastic, is a minimum of at least 2.25 mils thick.
- (10) “Store” means any of the following retail establishments located within the city limits of the city of Sunnyvale:
 - (A) A full-line, self-service retail store with gross annual sales of two million dollars, or more, that sells a line of dry

grocery, canned goods, or nonfood items and some perishable items;

(B) A store of at least ten thousand square feet of retail space that sells any perishable or non-perishable goods including, but not limited to, clothing, food, or personal items, and generates sales or use tax pursuant to the Bradley-Burns Uniform Local Sales and Use Tax Law (Part 1.5 (commencing with Section 7200) of Division 2 of the Revenue and Taxation Code);

(C) A drug store, pharmacy, supermarket, grocery store, convenience food store, foodmart, or other entity engaged in the retail sale of a limited line of goods that includes milk, bread, soda, and snack foods, including those stores with a Type 20 or 21 license issued by the Department of Alcoholic Beverage Control; or

(D) A store of less than ten thousand square feet of retail space that sells any perishable or non-perishable goods including, but not limited to, clothing, food, or personal items, and generates sales or use tax pursuant to the Bradley-Burns Uniform Local Sales and Use Tax Law (Part 1.5 (commencing with Section 7200) of Division 2 of the Revenue and Taxation Code). (Ord. 2965-11 § 1).

5.38.020. Plastic carryout bags prohibited.

(a) No store shall provide to any customer a plastic carryout bag.

(b) This prohibition applies to bags provided for the purpose of carrying away goods from the point of sale and does not apply to produce bags or product bags. (Ord. 2965-11 § 1).

5.38.030. Permitted bags.

All stores shall provide or make available to a customer only recyclable paper carryout bags or reusable bags for the purpose of carrying away goods or other materials from the point of sale, subject to the terms of this chapter. Nothing in this chapter prohibits customers from using bags of any type that they bring to the store themselves or from carrying away goods that are not placed in a bag, in lieu of using bags provided by the store. (Ord. 2965-11 § 1).

5.38.040. Regulation of recyclable paper carryout bags.

(a) (1) Any store that provides a recyclable paper carryout bag to a customer on or before January 1, 2014, must charge the customer ten cents for each bag provided, except as otherwise provided in this chapter.

(2) Any store that provides a recyclable paper carryout bag to a customer after January 1, 2014, must charge the customer twenty-five cents for each bag provided, except as otherwise provided in this chapter.

(b) No store shall rebate or otherwise reimburse a customer any portion of the charge required in subsection a, except as otherwise provided in this chapter.

(c) All stores must indicate on the customer receipt the number of recyclable paper carryout bags provided and the total amount charged for the bags.

(d) All stores must report to the director of environmental services, on a quarterly basis, the total number of recyclable paper carryout bags provided, the total amount of monies collected for providing recyclable paper carryout bags, and a summary of any efforts a store has undertaken to promote the use of reusable bags by customers in the prior quarter. Such reporting must be done on a form prescribed by the director of environmental services, and must be signed by a responsible agent or officer of the store confirming that the information provided on the form is accurate and complete. For the periods from January 1st through March 31st, April 1st through June 30th, July 1st through September 30th, and October 1st through December 31st, all quarterly reporting must be submitted no later than thirty days after the end of each quarter.

(e) If the reporting required in subsection e is not timely submitted by a store, such store shall be subject to the fines set forth in Section 5.38.080. (Ord. 2965-11 § 1).

5.38.050. Use of reusable bags.

Stores are strongly encouraged to educate their staff to promote reusable bags and to post signs encouraging customers to use reusable bags. (Ord. 2965-11 § 1).

5.38.060. Exemptions.

(a) All stores must provide at the point of sale, free of charge, either reusable bags or recyclable paper carryout bags or both, at the store's option, to any customer participating either in the California Special Supplemental Food Program for Women, Infants, and Children pursuant to Article 2 (commencing with Section 123275) of Chapter 1 of Part 2 of Division 106 of the Health and Safety Code or in the Supplemental Food Program pursuant to Chapter 10 (commencing with Section 15500) of Part 3 of Division 9 of the Welfare and Institutions Code.

(b) This chapter shall not apply to a charitable organization, as defined in Section 501(c)(3) of the Internal Revenue Code of 1986, or a distinct operating unit or division of the charitable organization, that reuses and recycles donated goods or materials and receives more than fifty percent of its revenues from the handling and sale of those donated goods or materials. (Ord. 2965-11 § 1).

5.38.070. Operative date.

(a) Stores defined in subsections (10)(A), (B), and (C) of Section 5.38.010 shall become subject to this chapter on June 20, 2012.

(b) Stores defined in subsection (10)(D) of Section 5.38.010 shall become subject to this chapter on March 20, 2013. (Ord. 2965-11 § 1).

5.38.080. Enforcement and violation—Penalty.

(a) The director of environmental services has primary responsibility for enforcement of this chapter. The director of environmental services is authorized to promulgate regulations and to take any and all other actions reasonable and necessary to enforce this chapter, including, but not limited to, investigating violations, issuing fines and entering the premises of any store during business hours.

(b) If the director of environmental services determines that a violation of this chapter has occurred, he or she will issue a written warning notice to the operator of a store that a violation has occurred and the potential penalties that will apply for future violations.

(c) Any store that violates or fails to comply with any of the requirements of this chapter after a written warning notice has been issued for that violation shall be guilty of an infraction.

(d) If a store has subsequent violations of this chapter that are similar in kind to the violation addressed in a written warning notice, the following penalties will be imposed and shall be payable by the operator of the store:

- (1) A fine not exceeding one hundred dollars for the first violation after the written warning notice is given;
- (2) A fine not exceeding two hundred dollars for the second violation after the written warning notice is given; or
- (3) A fine not exceeding five hundred dollars for the third and any subsequent violations after the written warning notice is given.

(e) A fine shall be imposed for each day a violation occurs or is allowed to continue.

(f) All fines collected pursuant to this chapter shall be deposited in the Solid Waste Management Fund of the department of environmental services to assist the department with its costs of implementing and enforcing the requirements of this chapter.

(g) Any store operator who receives a written warning notice or fine may request an administrative review of the accuracy of the determination or the propriety of any fine issued, by filing a written notice of appeal with the director of environmental services no later than thirty days after receipt of a written warning notice or fine, as applicable. The notice

of appeal must include all facts supporting the appeal and any statements and evidence, including copies of all written documentation and a list of any witnesses, that the appellant wishes to be considered in connection with the appeal. The appeal will be heard by a hearing officer designated by the director of environmental services. The hearing officer will conduct a hearing concerning the appeal within forty-five days from the date that the notice of appeal is filed, or on a later date if agreed upon by the appellant and the city, and will give the appellant ten days prior written notice of the date of the hearing. The hearing officer may sustain, rescind, or modify the written warning notice or fine, as applicable, by written decision. The hearing officer will have the power to waive any portion of the fine in a manner consistent with the decision. The decision of the hearing officer is final and effective on the date of service of the written decision, is not subject to further administrative review, and constitutes the final administrative decision. (Ord. 2965-11 § 1).

5.38.090. Severability.

If any section, subsection, sentence, clause, or phrase of this chapter is for any reason held to be invalid by a decision of any court of competent jurisdiction, that decision will not affect the validity of the remaining portions of this chapter. The city council hereby declares that it would have passed the ordinance codified in this chapter and each and every section, subsection, sentence, clause, or phrase not declared invalid or unconstitutional without regard to whether any portion of this chapter would be subsequently declared invalid. (Ord. 2965-11 § 1).

5.38.100. No conflict with federal or state law.

Nothing in this chapter is intended to create any requirement, power or duty that is in conflict with any federal or state law. (Ord. 2965-11 § 1).

FY 2011-2012 Annual Report
Permittee Name: City of Sunnyvale

Section 15
Provision C.15 Exempted and Conditionally Exempted Discharges

Appendix 15-1: C.15.B.iii (1)
Planned Discharges of the Potable Water System
FY 11-12 Data Tables

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
305-102-75	Hydrant Flushing	Calabazas Creek	7/11/2011	7	9,688	1,992,960	0.15	7.9	0	De-chlor,diffuser, gravel bags
308-101-75	Hydrant Flushing	Calabazas Creek	7/11/2011	8	10,736	1,932,480	0.17	7.8	1	De-chlor,diffuser, gravel bags
296-102-75	Hydrant Flushing	Calabazas Creek	7/11/2011	8	10,904	1,962,720	0.12	7.8	1	De-chlor,diffuser, gravel bags
306-103-75	Hydrant Flushing	Calabazas Creek	7/11/2011	9	11,880	1,900,800	0.02	7.8	3	De-chlor,diffuser, gravel bags
296-101-75	Hydrant Flushing	Calabazas Creek	7/11/2011	9	12,267	1,962,720	0.32	8.0	0	De-chlor,diffuser, gravel bags
306-104-75	Hydrant Flushing	Calabazas Creek	7/11/2011	9	12,456	1,992,960	0.10	7.8	1	De-chlor,diffuser, gravel bags
302-101-76	Hydrant Flushing	Calabazas Creek	7/11/2011	9	13,167	2,106,720	0.39	7.8	7	De-chlor,diffuser, gravel bags
305-101-75	Hydrant Flushing	Calabazas Creek	7/11/2011	10	13,840	1,992,960	0.58	7.9	0	De-chlor,diffuser, gravel bags
296-103-75	Hydrant Flushing	Calabazas Creek	7/11/2011	11	14,993	1,962,720	0.08	7.9	0	De-chlor,diffuser, gravel bags
296-104-75	Hydrant Flushing	Calabazas Creek	7/11/2011	11	14,993	1,962,720	0.00	7.9	0	De-chlor,diffuser, gravel bags
305-104-75	Hydrant Flushing	Calabazas Creek	7/11/2011	11	15,444	2,021,760	0.00	7.9	0	De-chlor,diffuser, gravel bags
305-103-75	Hydrant Flushing	Calabazas Creek	7/11/2011	11	15,444	2,021,760	0.13	7.8	0	De-chlor,diffuser, gravel bags
305-105-75	Hydrant Flushing	Calabazas Creek	7/11/2011	9	15,664	2,050,560	0.08	7.9	0	De-chlor,diffuser, gravel bags
305-106-75	Hydrant Flushing	Calabazas Creek	7/11/2011	9	15,664	2,050,560	0.06	7.8	0	De-chlor,diffuser, gravel bags
302-102-76	Hydrant Flushing	Calabazas Creek	7/11/2011	11	15,873	2,077,920	0.12	8.0	1	De-chlor,diffuser, gravel bags
306-101-75	Hydrant Flushing	Calabazas Creek	7/11/2011	12	16,848	2,021,760	0.12	7.8	0	De-chlor,diffuser, gravel bags
305-107-75	Hydrant Flushing	Calabazas Creek	7/11/2011	12	17,088	2,050,560	0.00	7.7	0	De-chlor,diffuser, gravel bags
296-105-75	Hydrant Flushing	Calabazas Creek	7/11/2011	13	17,719	1,962,720	0.07	7.6	1	De-chlor,diffuser, gravel bags
306-102-75	Hydrant Flushing	Calabazas Creek	7/11/2011	14	19,082	1,962,720	0.08	7.9	0	De-chlor,diffuser, gravel bags
308-105-75	Hydrant Flushing	Calabazas Creek	7/11/2011	16	34,320	1,900,800	0.48	7.8	2	De-chlor,diffuser, gravel bags
308-102-75	Hydrant Flushing	Calabazas Creek	7/12/2011	7	8,946	1,840,320	0.12	7.8	1	De-chlor,diffuser, gravel bags
310-102-75	Hydrant Flushing	East Channel	7/12/2011	8	9,864	1,775,520	0.38	7.3	0	De-chlor,diffuser, gravel bags
309-109-75	Hydrant Flushing	East Channel	7/12/2011	8	10,400	1,872,000	0	7.8	0	De-chlor,diffuser, gravel bags
309-104-75	Hydrant Flushing	Calabazas Creek	7/12/2011	9	11,295	1,807,200	0.34	7.8	0	De-chlor,diffuser, gravel bags
309-105-75	Hydrant Flushing	East Channel	7/12/2011	9	11,502	1,840,320	0.12	7.6	0	De-chlor,diffuser, gravel bags
309-101-76	Hydrant Flushing	Calabazas Creek	7/12/2011	9	11,700	1,872,000	0.18	7.7	1	De-chlor,diffuser, gravel bags
309-102-76	Hydrant Flushing	Calabazas Creek	7/12/2011	9	11,700	1,872,000	0.2	7.7	0	De-chlor,diffuser, gravel bags
308-104-75	Hydrant Flushing	Calabazas Creek	7/12/2011	10	13,000	1,872,000	0.7	7.7	7	De-chlor,diffuser, gravel bags
310-101-75	Hydrant Flushing	East Channel	7/12/2011	11	13,563	1,775,520	0	7.4	0	De-chlor,diffuser, gravel bags
309-106-75	Hydrant Flushing	East Channel	7/12/2011	11	14,300	1,872,000	0.08	7.8	0	De-chlor,diffuser, gravel bags
308-103-75	Hydrant Flushing	Calabazas Creek	7/12/2011	12	15,336	1,840,320	0.38	7.8	9	De-chlor,diffuser, gravel bags
309-108-75	Hydrant Flushing	East Channel	7/12/2011	12	15,600	1,872,000	0.12	7.9	0	De-chlor,diffuser, gravel bags
313-104-75	Hydrant Flushing	East Channel	7/13/2011	5	3,950	1,137,600	0	7.7	0	De-chlor,diffuser, gravel bags
312-109-75	Hydrant Flushing	East Channel	7/13/2011	12	7,560	907,200	0.01	7.7	2	De-chlor,diffuser, gravel bags
312-103-75	Hydrant Flushing	East Channel	7/13/2011	7	7,812	1,602,720	0.03	8.0	0	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
312-108-75	Hydrant Flushing	East Channel	7/13/2011	11	8,280	1,324,800	0	7.7	0	De-chlor,diffuser, gravel bags
313-102-75	Hydrant Flushing	East Channel	7/13/2011	6	8,424	2,021,760	0.03	7.9	1	De-chlor,diffuser, gravel bags
311-103-74	Hydrant Flushing	East Channel	7/13/2011	8	8,488	1,527,840	0	7.6	0	De-chlor,diffuser, gravel bags
311-104-75	Hydrant Flushing	East Channel	7/13/2011	9	8,900	1,281,600	0.03	7.5	3	De-chlor,diffuser, gravel bags
311-101-75	Hydrant Flushing	East Channel	7/13/2011	8	8,904	1,602,720	0	7.8	0	De-chlor,diffuser, gravel bags
312-104-75	Hydrant Flushing	East Channel	7/13/2011	8	9,488	1,707,840	0.03	7.7	0	De-chlor,diffuser, gravel bags
311-110-75	Hydrant Flushing	East Channel	7/13/2011	8	9,488	1,707,840	0.03	7.5	0	De-chlor,diffuser, gravel bags
312-110-74	Hydrant Flushing	East Channel	7/13/2011	11	10,017	1,602,720	0.05	7.9	0	De-chlor,diffuser, gravel bags
311-109-75	Hydrant Flushing	East Channel	7/13/2011	11	10,450	1,368,000	0	7.7	0	De-chlor,diffuser, gravel bags
311-106-75	Hydrant Flushing	East Channel	7/13/2011	9	10,674	1,707,840	0	7.6	0	De-chlor,diffuser, gravel bags
311-101-75	Hydrant Flushing	East Channel	7/13/2011	12	10,680	1,281,600	0.1	7.4	2	De-chlor,diffuser, gravel bags
312-107-75	Hydrant Flushing	East Channel	7/13/2011	9	11,097	1,775,520	0.02	7.7	1	De-chlor,diffuser, gravel bags
313-101-75	Hydrant Flushing	East Channel	7/13/2011	8	11,544	2,077,920	0.17	7.9	0	De-chlor,diffuser, gravel bags
312-102-75	Hydrant Flushing	East Channel	7/13/2011	12	12,242	1,602,720	0.05	7.7	0	De-chlor,diffuser, gravel bags
311-102-75	Hydrant Flushing	East Channel	7/13/2011	12	12,408	1,488,960	0.01	7.4	2	De-chlor,diffuser, gravel bags
313-111-75	Hydrant Flushing	East Channel	7/13/2011	11	12,987	2,077,920	0.04	7.8	0	De-chlor,diffuser, gravel bags
312-105-75	Hydrant Flushing	East Channel	7/13/2011	11	13,046	1,707,840	0.16	7.6	0	De-chlor,diffuser, gravel bags
311-111-75	Hydrant Flushing	East Channel	7/13/2011	11	13,046	1,707,840	0.05	7.7	0	De-chlor,diffuser, gravel bags
312-106-75	Hydrant Flushing	East Channel	7/13/2011	10	13,944	1,673,280	0.38	7.7	1	De-chlor,diffuser, gravel bags
316-113-74	Hydrant Flushing	West Channel	7/14/2011	7	9,968	2,050,560	0.01	8.0	0	De-chlor,diffuser, gravel bags
313-112-75	Hydrant Flushing	East Channel	7/14/2011	7	10,500	2,160,000	0.03	7.8	0	De-chlor,diffuser, gravel bags
317-104-74	Hydrant Flushing	West Channel	7/14/2011	8	11,072	1,992,960	0	7.8	0	De-chlor,diffuser, gravel bags
317-103-74	Hydrant Flushing	West Channel	7/14/2011	8	11,392	2,050,560	0	7.8	4	De-chlor,diffuser, gravel bags
316-101-75	Hydrant Flushing	West Channel	7/14/2011	8	11,392	2,050,560	0.04	7.8	0	De-chlor,diffuser, gravel bags
315-102-74	Hydrant Flushing	West Channel	7/14/2011	8	11,704	2,106,720	0.03	7.8	0	De-chlor,diffuser, gravel bags
313-105-74	Hydrant Flushing	East Channel	7/14/2011	8	12,000	2,160,000	0	7.7	1	De-chlor,diffuser, gravel bags
316-102-75	Hydrant Flushing	West Channel	7/14/2011	9	12,816	2,050,560	0.03	7.0	10	De-chlor,diffuser, gravel bags
313-107-75	Hydrant Flushing	East Channel	7/14/2011	9	13,338	2,134,080	0.05	7.8	1	De-chlor,diffuser, gravel bags
317-105-74	Hydrant Flushing	West Channel	7/14/2011	10	13,840	1,992,960	0.04	7.8	3	De-chlor,diffuser, gravel bags
315-104-74	Hydrant Flushing	West Channel	7/14/2011	10	14,240	2,050,560	0	7.8	0	De-chlor,diffuser, gravel bags
316-103-74	Hydrant Flushing	West Channel	7/14/2011	10	15,000	2,160,000	0.02	7.7	3	De-chlor,diffuser, gravel bags
315-101-75	Hydrant Flushing	West Channel	7/14/2011	11	15,444	2,021,760	0.05	7.8	9	De-chlor,diffuser, gravel bags
317-112-74	Hydrant Flushing	West Channel	7/14/2011	11	15,664	2,050,560	0.02	7.8	4	De-chlor,diffuser, gravel bags
313-106-75	Hydrant Flushing	East Channel	7/14/2011	11	15,664	2,050,560	0.05	7.8	1	De-chlor,diffuser, gravel bags
313-105-74	Hydrant Flushing	West Channel	7/14/2011	11	15,664	2,050,560	0.04	7.8	0	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
315-103-74	Hydrant Flushing	West Channel	7/14/2011	11	15,664	2,050,560	0.03	7.7	0	De-chlor,diffuser, gravel bags
316-104-74	Hydrant Flushing	West Channel	7/14/2011	11	16,500	2,160,000	0.03	7.9	11	De-chlor,diffuser, gravel bags
313-113-75	Hydrant Flushing	East Channel	7/14/2011	12	18,000	2,160,000	0.01	7.9	0	De-chlor,diffuser, gravel bags
317-114-74	Hydrant Flushing	West Channel	7/18/2011	5	6,600	1,900,800	0.05	7.4	7	De-chlor,diffuser, gravel bags
318-110-74	Hydrant Flushing	West Channel	7/18/2011	9	10,458	1,673,280	0.05	7.4	6	De-chlor,diffuser, gravel bags
318-104-75	Hydrant Flushing	West Channel	7/18/2011	8	10,560	1,900,800	0	7.9	1	De-chlor,diffuser, gravel bags
318-102-75	Hydrant Flushing	West Channel	7/18/2011	9	11,502	1,840,320	0.05	7.5	0	De-chlor,diffuser, gravel bags
318-109-74	Hydrant Flushing	West Channel	7/18/2011	10	12,780	1,840,320	0.05	7.5	12	De-chlor,diffuser, gravel bags
317-113-74	Hydrant Flushing	West Channel	7/18/2011	10	13,420	1,932,480	0.03	7.5	14	De-chlor,diffuser, gravel bags
317-115-74	Hydrant Flushing	West Channel	7/18/2011	11	14,520	1,900,800	0	7.5	10	De-chlor,diffuser, gravel bags
318-108-74	Hydrant Flushing	West Channel	7/18/2011	11	14,520	1,900,800	0.05	7.5	8	De-chlor,diffuser, gravel bags
317-109-75	Hydrant Flushing	East Channel	7/18/2011	11	14,762	1,932,480	0.05	7.8	0	De-chlor,diffuser, gravel bags
318-105-74	Hydrant Flushing	West Channel	7/18/2011	12	15,840	1,900,800	0.02	7.8	3	De-chlor,diffuser, gravel bags
317-110-75	Hydrant Flushing	East Channel	7/18/2011	12	16,608	1,992,960	0.03	7.9	0	De-chlor,diffuser, gravel bags
316-106-75	Hydrant Flushing	West Channel	8/1/2011	8	1,376	1,992,960	0.01	7.9	2	De-chlor,diffuser, gravel bags
316-112-75	Hydrant Flushing	West Channel	8/1/2011	6	7,920	1,900,800	0.03	8.1	4	De-chlor,diffuser, gravel bags
316-109-75	Hydrant Flushing	West Channel	8/1/2011	7	9,688	1,992,960	0.00	7.5	0	De-chlor,diffuser, gravel bags
315-109-75	Hydrant Flushing	West Channel	8/1/2011	8	11,072	1,992,960	0.03	8.1	0	De-chlor,diffuser, gravel bags
316-107-75	Hydrant Flushing	West Channel	8/1/2011	9	12,456	1,992,960	0.01	7.9	5	De-chlor,diffuser, gravel bags
316-108-75	Hydrant Flushing	West Channel	8/1/2011	9	12,636	2,021,760	0.05	8.1	0	De-chlor,diffuser, gravel bags
315-111-75	Hydrant Flushing	West Channel	8/1/2011	9	12,987	2,077,920	0.04	7.9	4	De-chlor,diffuser, gravel bags
315-110-75	Hydrant Flushing	West Channel	8/1/2011	10	13,000	1,872,000	0.04	8.0	0	De-chlor,diffuser, gravel bags
316-110-74	Hydrant Flushing	West Channel	8/1/2011	10	13,420	1,932,480	0.03	8.0	0	De-chlor,diffuser, gravel bags
316-111-75	Hydrant Flushing	West Channel	8/1/2011	11	14,520	1,900,800	0.05	8.1	0	De-chlor,diffuser, gravel bags
317-108-75	Hydrant Flushing	West Channel	8/1/2011	11	14,762	1,932,480	0.05	7.8	9	De-chlor,diffuser, gravel bags
316-105-75	Hydrant Flushing	West Channel	8/1/2011	11	15,224	1,992,960	0.03	7.9	0	De-chlor,diffuser, gravel bags
314-112-75	Hydrant Flushing	East Channel	8/2/2011	5	5,696	1,638,720	0.01	7.8	2	De-chlor,diffuser, gravel bags
313-103-74	Hydrant Flushing	East Channel	8/2/2011	5	7,215	2,077,920	0.01	7.9	0	De-chlor,diffuser, gravel bags
314-109-75	Hydrant Flushing	East Channel	8/2/2011	6	8,424	2,021,760	0.05	7.9	0	De-chlor,diffuser, gravel bags
317-107-75	Hydrant Flushing	East Channel	8/2/2011	7	9,100	1,872,000	0.03	7.7	0	De-chlor,diffuser, gravel bags
310-104-75	Hydrant Flushing	East Channel	8/2/2011	8	9,296	1,673,280	0.00	7.0	0	De-chlor,diffuser, gravel bags
314-104-75	Hydrant Flushing	East Channel	8/2/2011	7	9,541	1,962,720	0.01	7.9	3	De-chlor,diffuser, gravel bags
311-108-75	Hydrant Flushing	East Channel	8/2/2011	9	9,783	1,565,280	0.02	7.8	1	De-chlor,diffuser, gravel bags
309-103-75	Hydrant Flushing	East Channel	8/2/2011	7	9,828	2,021,760	0.02	7.9	3	De-chlor,diffuser, gravel bags
314-107-74	Hydrant Flushing	East Channel	8/2/2011	7	9,968	2,050,560	0.01	7.8	0	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
314-105-75	Hydrant Flushing	East Channel	8/2/2011	7	9,968	2,050,560	0.04	7.7	0	De-chlor,diffuser, gravel bags
315-112-75	Hydrant Flushing	East Channel	8/2/2011	7	10,094	2,076,480	0.06	7.8	0	De-chlor,diffuser, gravel bags
314-111-74	Hydrant Flushing	East Channel	8/2/2011	8	10,560	1,900,800	0.04	7.9	0	De-chlor,diffuser, gravel bags
317-106-75	Hydrant Flushing	East Channel	8/2/2011	8	10,736	1,932,480	0.05	7.8	0	De-chlor,diffuser, gravel bags
314-106-75	Hydrant Flushing	East Channel	8/2/2011	8	11,232	2,021,760	0.03	7.8	1	De-chlor,diffuser, gravel bags
315-107-75	Hydrant Flushing	East Channel	8/2/2011	8	11,544	2,077,920	0.03	7.8	0	De-chlor,diffuser, gravel bags
314-103-75	Hydrant Flushing	East Channel	8/2/2011	8	11,544	2,077,920	0.01	8.0	0	De-chlor,diffuser, gravel bags
315-108-75	Hydrant Flushing	East Channel	8/2/2011	9	11,700	1,872,000	0.03	7.7	0	De-chlor,diffuser, gravel bags
314-108-75	Hydrant Flushing	East Channel	8/2/2011	9	12,816	2,050,560	0.00	7.8	2	De-chlor,diffuser, gravel bags
314-101-75	Hydrant Flushing	East Channel	8/2/2011	9	12,816	2,050,560	0.04	7.8	0	De-chlor,diffuser, gravel bags
313-110-75	Hydrant Flushing	East Channel	8/2/2011	9	12,987	2,077,920	0.05	8.1	0	De-chlor,diffuser, gravel bags
316-114-75	Hydrant Flushing	East Channel	8/2/2011	10	14,040	2,021,760	0.04	7.8	0	De-chlor,diffuser, gravel bags
314-110-75	Hydrant Flushing	East Channel	8/2/2011	10	14,240	2,050,560	0.02	7.6	0	De-chlor,diffuser, gravel bags
313-109-75	Hydrant Flushing	East Channel	8/2/2011	10	14,670	2,106,720	0.01	8.0	1	De-chlor,diffuser, gravel bags
314-102-74	Hydrant Flushing	East Channel	8/2/2011	11	15,664	2,050,560	0.05	7.7	0	De-chlor,diffuser, gravel bags
315-106-75	Hydrant Flushing	East Channel	8/2/2011	11	15,873	2,077,920	0.03	7.8	0	De-chlor,diffuser, gravel bags
313-108-75	Hydrant Flushing	East Channel	8/2/2011	11	15,873	2,077,920	0.00	8.0	0	De-chlor,diffuser, gravel bags
319-104-75	Hydrant Flushing	East Channel	8/3/2011	5	6,050	1,742,400	0.01	7.6	2	De-chlor,diffuser, gravel bags
318-112-75	Hydrant Flushing	East Channel	8/3/2011	6	7,668	1,840,320	0.04	7.8	0	De-chlor,diffuser, gravel bags
318-101-75	Hydrant Flushing	East Channel	8/3/2011	7	9,100	1,872,000	0.00	7.9	0	De-chlor,diffuser, gravel bags
311-107-74	Hydrant Flushing	East Channel	8/3/2011	8	9,488	1,707,840	0.00	7.8	0	De-chlor,diffuser, gravel bags
311-105-74	Hydrant Flushing	East Channel	8/3/2011	9	10,017	1,602,720	0.01	7.8	0	De-chlor,diffuser, gravel bags
319-105-75	Hydrant Flushing	East Channel	8/3/2011	9	10,242	1,638,720	0.00	7.7	1	De-chlor,diffuser, gravel bags
317-111-74	Hydrant Flushing	East Channel	8/3/2011	8	10,400	1,872,000	0.01	7.0	0	De-chlor,diffuser, gravel bags
318-111-74	Hydrant Flushing	East Channel	8/3/2011	9	11,502	1,840,320	0.00	7.5	0	De-chlor,diffuser, gravel bags
318-106-74	Hydrant Flushing	East Channel	8/3/2011	10	12,100	1,742,400	0.05	7.6	0	De-chlor,diffuser, gravel bags
317-102-75	Hydrant Flushing	East Channel	8/3/2011	10	13,000	1,872,000	0.05	6.9	1	De-chlor,diffuser, gravel bags
318-103-74	Hydrant Flushing	East Channel	8/3/2011	10	13,000	1,872,000	0.01	7.9	0	De-chlor,diffuser, gravel bags
317-101-75	Hydrant Flushing	East Channel	8/3/2011	11	14,520	1,900,800	0.00	6.8	2	De-chlor,diffuser, gravel bags
324-110-75	Hydrant Flushing	East Channel	8/8/2011	5	7,020	2,021,760	0.00	8.0	0	De-chlor,diffuser, gravel bags
329-107-75	Hydrant Flushing	East Channel	8/8/2011	5	7,410	2,134,080	0.00	7.8	0	De-chlor,diffuser, gravel bags
325-102-74	Hydrant Flushing	East Channel	8/8/2011	9	8,778	2,106,720	0.05	7.4	0	De-chlor,diffuser, gravel bags
325-104-74	Hydrant Flushing	East Channel	8/8/2011	6	8,778	2,106,720	0.05	7.6	1	De-chlor,diffuser, gravel bags
325-103-75	Hydrant Flushing	East Channel	8/8/2011	6	8,892	2,134,080	0.05	7.7	7	De-chlor,diffuser, gravel bags
324-104-75	Hydrant Flushing	East Channel	8/8/2011	7	9,541	1,962,720	0.00	6.9	0	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
324-108-75	Hydrant Flushing	East Channel	8/8/2011	7	9,828	2,021,760	0.00	8.0	12	De-chlor,diffuser, gravel bags
324-103-75	Hydrant Flushing	East Channel	8/8/2011	9	12,267	1,962,720	0.01	8.0	0	De-chlor,diffuser, gravel bags
324-106-75	Hydrant Flushing	East Channel	8/8/2011	9	12,636	2,021,760	0.03	8.1	7	De-chlor,diffuser, gravel bags
68-106-74	Hydrant Flushing	East Channel	8/8/2011	10	13,000	1,872,000	0.03	8.1	3	De-chlor,diffuser, gravel bags
324-105-75	Hydrant Flushing	East Channel	8/8/2011	10	13,840	1,992,960	0.00	8.1	4	De-chlor,diffuser, gravel bags
324-109-75	Hydrant Flushing	East Channel	8/8/2011	11	15,444	2,021,760	0.01	8.0	0	De-chlor,diffuser, gravel bags
326-105-74	Hydrant Flushing	East Channel	8/9/2011	4	5,772	2,077,920	0.04	8.1	7	De-chlor,diffuser, gravel bags
326-109-74	Hydrant Flushing	East Channel	8/9/2011	4	5,808	2,134,080	0.01	7.4	3	De-chlor,diffuser, gravel bags
326-111-75	Hydrant Flushing	East Channel	8/9/2011	8	7,315	2,106,720	0.00	7.9	33	De-chlor,diffuser, gravel bags
329-113-75	Hydrant Flushing	East Channel	8/9/2011	6	7,530	1,807,200	0.00	7.6	0	De-chlor,diffuser, gravel bags
326-112-75	Hydrant Flushing	East Channel	8/9/2011	6	8,424	2,021,760	0.00	8.4	0	De-chlor,diffuser, gravel bags
325-110-74	Hydrant Flushing	East Channel	8/9/2011	7	9,688	1,992,960	0.01	7.6	0	De-chlor,diffuser, gravel bags
325-105-74	Hydrant Flushing	East Channel	8/9/2011	7	9,688	1,992,960	0.01	6.9	6	De-chlor,diffuser, gravel bags
329-108-75	Hydrant Flushing	East Channel	8/9/2011	8	9,864	1,775,520	0.03	7.4	0	De-chlor,diffuser, gravel bags
329-105-76	Hydrant Flushing	East Channel	8/9/2011	8	10,040	1,807,200	0.01	7.2	2	De-chlor,diffuser, gravel bags
326-107-74	Hydrant Flushing	East Channel	8/9/2011	7	10,241	2,106,720	0.01	7.5	0	De-chlor,diffuser, gravel bags
325-101-74	Hydrant Flushing	East Channel	8/9/2011	8	10,904	1,962,720	0.00	6.8	0	De-chlor,diffuser, gravel bags
325-107-74	Hydrant Flushing	East Channel	8/9/2011	8	11,072	1,992,960	0.02	8.1	0	De-chlor,diffuser, gravel bags
329-116-75	Hydrant Flushing	East Channel	8/9/2011	9	11,295	1,807,200	0.04	7.5	7	De-chlor,diffuser, gravel bags
326-106-74	Hydrant Flushing	East Channel	8/9/2011	8	11,704	2,106,720	0.01	7.0	0	De-chlor,diffuser, gravel bags
326-108-74	Hydrant Flushing	East Channel	8/9/2011	8	11,856	2,134,080	0.01	7.8	0	De-chlor,diffuser, gravel bags
325-108-75	Hydrant Flushing	East Channel	8/9/2011	9	12,636	2,021,760	0.01	7.8	0	De-chlor,diffuser, gravel bags
329-106-75	Hydrant Flushing	East Channel	8/9/2011	11	12,782	1,673,280	0.05	7.8	9	De-chlor,diffuser, gravel bags
326-104-74	Hydrant Flushing	East Channel	8/9/2011	9	12,987	2,077,920	0.03	8.0	6	De-chlor,diffuser, gravel bags
325-106-74	Hydrant Flushing	East Channel	8/9/2011	10	13,840	1,992,960	0.00	7.7	0	De-chlor,diffuser, gravel bags
326-103-74	Hydrant Flushing	East Channel	8/9/2011	11	14,520	1,900,800	0.05	7.1	2	De-chlor,diffuser, gravel bags
325-109-74	Hydrant Flushing	East Channel	8/9/2011	11	15,444	2,021,760	0.01	7.2	0	De-chlor,diffuser, gravel bags
326-101-75	Hydrant Flushing	East Channel	8/9/2011	14	18,480	1,900,800	0.01	6.9	12	De-chlor,diffuser, gravel bags
326-110-75	Hydrant Flushing	East Channel	8/9/2011	15	21,060	2,021,760	0.00	8.1	23	De-chlor,diffuser, gravel bags
326-102-74h	Hydrant Flushing	East Channel	8/9/2011	15	21,945	2,106,720	0.03	8.0	13	De-chlor,diffuser, gravel bags
329-114-75	Hydrant Flushing	East Channel	8/10/2011	8	5,680	1,022,400	0.05	7.6	0	De-chlor,diffuser, gravel bags
330-113-75	Hydrant Flushing	East Channel	8/10/2011	6	6,522	1,565,280	0.00	7.0	6	De-chlor,diffuser, gravel bags
330-103-74	Hydrant Flushing	East Channel	8/10/2011	6	7,398	1,775,520	0.00	7.6	0	De-chlor,diffuser, gravel bags
330-102-75	Hydrant Flushing	East Channel	8/10/2011	6	7,800	1,872,000	0.02	7.4	11	De-chlor,diffuser, gravel bags
330-110-75	Hydrant Flushing	East Channel	8/10/2011	8	7,840	1,411,200	0.03	7.8	0	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
329-115-75	Hydrant Flushing	East Channel	8/10/2011	7	8,470	1,742,400	0.03	7.0	0	De-chlor,diffuser, gravel bags
330-109-75	Hydrant Flushing	East Channel	8/10/2011	7	9,100	1,872,000	0.04	7.7	2	De-chlor,diffuser, gravel bags
330-105-75	Hydrant Flushing	East Channel	8/10/2011	7	9,100	1,872,000	0.04	7.7	0	De-chlor,diffuser, gravel bags
330-112-74	Hydrant Flushing	East Channel	8/10/2011	8	10,400	1,872,000	0.00	7.7	7	De-chlor,diffuser, gravel bags
330-107-75	Hydrant Flushing	East Channel	8/10/2011	8	10,400	1,872,000	0.03	7.0	4	De-chlor,diffuser, gravel bags
330-104-75	Hydrant Flushing	East Channel	8/10/2011	9	11,700	1,872,000	0.00	7.1	0	De-chlor,diffuser, gravel bags
330-106-75	Hydrant Flushing	East Channel	8/10/2011	9	11,700	1,872,000	0.05	7.8	1	De-chlor,diffuser, gravel bags
329-109-74	Hydrant Flushing	East Channel	8/10/2011	12	11,760	1,411,200	0.03	7.7	3	De-chlor,diffuser, gravel bags
330-101-75	Hydrant Flushing	East Channel	8/10/2011	10	13,000	1,872,000	0.05	7.4	0	De-chlor,diffuser, gravel bags
329-111-74	Hydrant Flushing	East Channel	8/10/2011	11	13,805	1,807,200	0.05	7.8	0	De-chlor,diffuser, gravel bags
330-115-75	Hydrant Flushing	East Channel	8/11/2011	6	7,668	1,840,320	0.00	7.6	0	De-chlor,diffuser, gravel bags
332-104-75	Hydrant Flushing	Calabazas Creek	8/11/2011	7	9,100	1,872,000	0.05	7.0	23	De-chlor,diffuser, gravel bags
331-103-75	Hydrant Flushing	East Channel	8/11/2011	9	10,242	1,638,720	0.05	7.9	7	De-chlor,diffuser, gravel bags
331-102-76	Hydrant Flushing	East Channel	8/11/2011	8	10,400	1,872,000	0.04	8.1	1	De-chlor,diffuser, gravel bags
331-104-75	Hydrant Flushing	East Channel	8/11/2011	9	11,502	1,840,320	0.05	8.1	3	De-chlor,diffuser, gravel bags
332-102-75	Hydrant Flushing	Calabazas Creek	8/11/2011	9	11,700	1,872,000	0.04	7.7	0	De-chlor,diffuser, gravel bags
331-101-75	Hydrant Flushing	East Channel	8/11/2011	11	12,518	1,638,720	0.05	7.9	6	De-chlor,diffuser, gravel bags
332-101-75	Hydrant Flushing	Calabazas Creek	8/11/2011	11	14,300	1,872,000	0.05	8.1	2	De-chlor,diffuser, gravel bags
332-105-75	Hydrant Flushing	Calabazas Creek	8/11/2011	12	15,600	1,872,000	0.02	7.8	7	De-chlor,diffuser, gravel bags
333-101-75	Hydrant Flushing	Calabazas Creek	8/11/2011	12	16,104	1,932,480	0.05	8.0	6	De-chlor,diffuser, gravel bags
334-101-75	Hydrant Flushing	Calabazas Creek	8/15/2011	8	1,396	2,021,760	0.04	8.0	4	De-chlor,diffuser, gravel bags
333-107-75	Hydrant Flushing	Calabazas Creek	8/15/2011	6	8,052	1,932,480	0.00	8.0	0	De-chlor,diffuser, gravel bags
337-102-75	Hydrant Flushing	Calabazas Creek	8/15/2011	6	8,544	2,050,560	0.05	7.9	0	De-chlor,diffuser, gravel bags
333-102-75	Hydrant Flushing	Calabazas Creek	8/15/2011	7	9,100	1,872,000	0.04	7.6	0	De-chlor,diffuser, gravel bags
333-105-76	Hydrant Flushing	Calabazas Creek	8/15/2011	7	9,184	1,889,280	0.02	7.8	2	De-chlor,diffuser, gravel bags
335-104-75	Hydrant Flushing	Calabazas Creek	8/15/2011	7	9,968	2,050,560	0.03	7.6	4	De-chlor,diffuser, gravel bags
323-108-75	Hydrant Flushing	East Channel	8/15/2011	7	10,101	2,077,920	0.00	8.0	0	De-chlor,diffuser, gravel bags
333-103-75	Hydrant Flushing	Calabazas Creek	8/15/2011	8	10,400	1,872,000	0.05	7.6	9	De-chlor,diffuser, gravel bags
335-101-75	Hydrant Flushing	Calabazas Creek	8/15/2011	8	11,232	2,021,760	0.04	7.8	11	De-chlor,diffuser, gravel bags
323-104-75	Hydrant Flushing	East Channel	8/15/2011	8	11,232	2,021,760	0.00	8.0	0	De-chlor,diffuser, gravel bags
337-101-75	Hydrant Flushing	Calabazas Creek	8/15/2011	8	11,392	2,050,560	0.03	8.0	4	De-chlor,diffuser, gravel bags
333-106-75	Hydrant Flushing	Calabazas Creek	8/15/2011	9	11,880	1,900,800	0.03	7.8	4	De-chlor,diffuser, gravel bags
333-104-75	Hydrant Flushing	Calabazas Creek	8/15/2011	9	11,880	1,900,800	0.00	7.8	6	De-chlor,diffuser, gravel bags
334-103-75	Hydrant Flushing	Calabazas Creek	8/15/2011	9	12,636	2,021,760	0.05	7.7	0	De-chlor,diffuser, gravel bags
334-102-76	Hydrant Flushing	Calabazas Creek	8/15/2011	9	12,636	2,021,760	0.05	7.8	10	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
323-106-75	Hydrant Flushing	East Channel	8/15/2011	9	12,987	2,077,920	0.01	8.1	0	De-chlor,diffuser, gravel bags
334-104-75	Hydrant Flushing	Calabazas Creek	8/15/2011	10	13,420	1,932,480	0.05	7.8	3	De-chlor,diffuser, gravel bags
335-102-75	Hydrant Flushing	Calabazas Creek	8/15/2011	10	14,040	2,021,760	0.05	7.8	9	De-chlor,diffuser, gravel bags
323-105-75	Hydrant Flushing	East Channel	8/15/2011	10	14,040	2,021,760	0.00	8.1	0	De-chlor,diffuser, gravel bags
337-103-75	Hydrant Flushing	Calabazas Creek	8/15/2011	11	15,444	2,021,760	0.00	7.8	0	De-chlor,diffuser, gravel bags
335-103-75	Hydrant Flushing	Calabazas Creek	8/15/2011	11	15,664	2,050,560	0.03	8.0	0	De-chlor,diffuser, gravel bags
335-105-75	Hydrant Flushing	Calabazas Creek	8/15/2011	11	15,664	2,050,560	0.05	8.0	2	De-chlor,diffuser, gravel bags
327-110-75	Hydrant Flushing	Calabazas Creek	8/16/2011	6	8,304	1,992,960	0.02	8.0	4	De-chlor,diffuser, gravel bags
327-112-75	Hydrant Flushing	Calabazas Creek	8/16/2011	7	9,688	1,992,960	0.02	8.0	1	De-chlor,diffuser, gravel bags
327-109-74	Hydrant Flushing	Calabazas Creek	8/16/2011	7	10,241	2,106,720	0.05	7.7	1	De-chlor,diffuser, gravel bags
327-108-75	Hydrant Flushing	Calabazas Creek	8/16/2011	9	11,880	1,900,800	0.03	7.8	0	De-chlor,diffuser, gravel bags
327-111-74	Hydrant Flushing	Calabazas Creek	8/16/2011	9	12,456	1,992,960	0.04	8.0	0	De-chlor,diffuser, gravel bags
327-113-74	Hydrant Flushing	Calabazas Creek	8/16/2011	11	14,993	1,962,720	0.03	7.9	0	De-chlor,diffuser, gravel bags
328-104-75	Hydrant Flushing	Calabazas Creek	8/16/2011	11	16,500	2,160,000	0.00	8.1	0	De-chlor,diffuser, gravel bags
338-102-75	Hydrant Flushing	Calabazas Creek	8/18/2011	7	7,868	2,050,560	0.05	8.0	0	De-chlor,diffuser, gravel bags
337-104-75	Hydrant Flushing	Calabazas Creek	8/18/2011	7	9,828	2,021,760	0.02	8.1	1	De-chlor,diffuser, gravel bags
338-104-75	Hydrant Flushing	Calabazas Creek	8/18/2011	8	11,232	2,021,760	0.01	7.8	0	De-chlor,diffuser, gravel bags
338-105-75	Hydrant Flushing	Calabazas Creek	8/18/2011	8	11,232	2,021,760	0.00	7.9	0	De-chlor,diffuser, gravel bags
338-101-75	Hydrant Flushing	Calabazas Creek	8/18/2011	9	12,816	2,050,560	0.04	8.0	0	De-chlor,diffuser, gravel bags
339-101-76	Hydrant Flushing	Calabazas Creek	8/18/2011	9	12,987	2,077,920	0.05	7.8	0	De-chlor,diffuser, gravel bags
338-103-75	Hydrant Flushing	Calabazas Creek	8/18/2011	10	14,430	2,077,920	0.05	8.1	3	De-chlor,diffuser, gravel bags
339-102-76	Hydrant Flushing	Calabazas Creek	8/18/2011	10	14,430	2,077,920	0.05	8.0	0	De-chlor,diffuser, gravel bags
350-107-75	Hydrant Flushing	East Channel	8/22/2011	5	6,710	1,932,480	0.00	8.1	0	De-chlor,diffuser, gravel bags
348-102-76	Hydrant Flushing	East Channel	8/22/2011	6	7,800	1,872,000	0.03	7.0	0	De-chlor,diffuser, gravel bags
349-108-75	Hydrant Flushing	East Channel	8/22/2011	6	8,178	1,962,720	0.00	7.3	0	De-chlor,diffuser, gravel bags
347-101-75	Hydrant Flushing	East Channel	8/22/2011	7	9,100	1,872,000	0.04	6.7	0	De-chlor,diffuser, gravel bags
349-101-75	Hydrant Flushing	East Channel	8/22/2011	7	9,394	1,932,480	0.00	7.2	0	De-chlor,diffuser, gravel bags
350-111-75	Hydrant Flushing	East Channel	8/22/2011	8	10,736	1,932,480	0.03	7.8	6	De-chlor,diffuser, gravel bags
350-103-75	Hydrant Flushing	East Channel	8/22/2011	8	10,736	1,932,480	0.01	8.1	0	De-chlor,diffuser, gravel bags
350-113-75	Hydrant Flushing	East Channel	8/22/2011	8	10,736	1,932,480	0.03	6.9	3	De-chlor,diffuser, gravel bags
349-107-75	Hydrant Flushing	East Channel	8/22/2011	8	10,904	1,962,720	0.03	7.1	0	De-chlor,diffuser, gravel bags
345-103-75	Hydrant Flushing	East Channel	8/22/2011	8	11,232	2,021,760	0.04	7.8	0	De-chlor,diffuser, gravel bags
350-112-75	Hydrant Flushing	East Channel	8/22/2011	9	11,502	1,840,320	0.01	7.8	3	De-chlor,diffuser, gravel bags
348-104-75	Hydrant Flushing	East Channel	8/22/2011	9	12,267	1,962,720	0.01	7.2	0	De-chlor,diffuser, gravel bags
343-103-75	Hydrant Flushing	East Channel	8/22/2011	9	12,636	2,021,760	0.00	7.9	6	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
348-103-75	Hydrant Flushing	East Channel	8/22/2011	10	12,780	1,840,320	0.04	7.2	0	De-chlor,diffuser, gravel bags
350-105-75	Hydrant Flushing	East Channel	8/22/2011	10	13,420	1,932,480	0.01	7.1	0	De-chlor,diffuser, gravel bags
350-108-75	Hydrant Flushing	East Channel	8/22/2011	10	13,420	1,932,480	0.02	8.1	0	De-chlor,diffuser, gravel bags
350-106-75	Hydrant Flushing	East Channel	8/22/2011	11	14,762	1,932,480	0.01	8.1	0	De-chlor,diffuser, gravel bags
350-110-75	Hydrant Flushing	East Channel	8/22/2011	11	14,762	1,932,480	0.02	8.1	0	De-chlor,diffuser, gravel bags
350-104-75	Hydrant Flushing	East Channel	8/22/2011	11	14,762	1,932,480	0.03	7.8	0	De-chlor,diffuser, gravel bags
350-109-75	Hydrant Flushing	East Channel	8/22/2011	11	14,762	1,932,480	0.00	7.4	0	De-chlor,diffuser, gravel bags
343-102-75	Hydrant Flushing	East Channel	8/22/2011	12	16,848	2,021,760	0.03	8.2	0	De-chlor,diffuser, gravel bags
343-101-75	Hydrant Flushing	East Channel	8/22/2011	13	18,252	2,021,760	0.05	8.1	6	De-chlor,diffuser, gravel bags
354-103-75	Hydrant Flushing	Calabazas Creek	8/23/2011	7	6,020	1,238,400	0.00	7.8	0	De-chlor,diffuser, gravel bags
351-105-74	Hydrant Flushing	East Channel	8/23/2011	5	6,050	1,742,400	0.02	7.4	0	De-chlor,diffuser, gravel bags
354-106-74	Hydrant Flushing	Calabazas Creek	8/23/2011	5	6,600	1,900,800	0.07	7.7	0	De-chlor,diffuser, gravel bags
352-105-74	Hydrant Flushing	East Channel	8/23/2011	6	7,520	1,807,200	0.02	7.6	0	De-chlor,diffuser, gravel bags
351-102-75	Hydrant Flushing	East Channel	8/23/2011	6	7,668	1,840,320	0.05	7.9	0	De-chlor,diffuser, gravel bags
355-102-75	Hydrant Flushing	Calabazas Creek	8/23/2011	6	7,668	1,840,320	0.02	8.0	0	De-chlor,diffuser, gravel bags
354-109-75	Hydrant Flushing	Calabazas Creek	8/23/2011	6	7,920	1,900,800	0.00	7.1	0	De-chlor,diffuser, gravel bags
351-104-75	Hydrant Flushing	East Channel	8/23/2011	7	8,631	1,775,520	0.03	8.1	0	De-chlor,diffuser, gravel bags
352-111-75	Hydrant Flushing	East Channel	8/23/2011	7	8,631	1,775,520	0.00	6.9	0	De-chlor,diffuser, gravel bags
351-103-75	Hydrant Flushing	East Channel	8/23/2011	8	9,680	1,742,400	0.03	8.1	0	De-chlor,diffuser, gravel bags
352-106-74	Hydrant Flushing	East Channel	8/23/2011	8	9,864	1,775,520	0.05	7.9	0	De-chlor,diffuser, gravel bags
355-105-75	Hydrant Flushing	Calabazas Creek	8/23/2011	7	10,241	2,106,720	0.03	7.9	0	De-chlor,diffuser, gravel bags
354-102-75	Hydrant Flushing	Calabazas Creek	8/23/2011	8	10,560	1,900,800	0.01	8.1	0	De-chlor,diffuser, gravel bags
352-103-75	Hydrant Flushing	East Channel	8/23/2011	9	11,097	1,775,520	0.00	7.8	0	De-chlor,diffuser, gravel bags
352-102-75	Hydrant Flushing	East Channel	8/23/2011	9	11,097	1,775,520	0.01	7.7	0	De-chlor,diffuser, gravel bags
352-104-74	Hydrant Flushing	East Channel	8/23/2011	9	11,295	1,807,200	0.03	7.7	0	De-chlor,diffuser, gravel bags
351-101-76	Hydrant Flushing	East Channel	8/23/2011	9	11,502	1,840,320	0.02	8.1	0	De-chlor,diffuser, gravel bags
355-104-74	Hydrant Flushing	Calabazas Creek	8/23/2011	8	11,544	2,077,920	0.03	8.1	0	De-chlor,diffuser, gravel bags
355-101-75	Hydrant Flushing	Calabazas Creek	8/23/2011	9	12,987	2,077,920	0.01	7.8	0	De-chlor,diffuser, gravel bags
354-104-75	Hydrant Flushing	Calabazas Creek	8/23/2011	9	13,500	2,160,000	0.04	8.2	0	De-chlor,diffuser, gravel bags
354-105-74	Hydrant Flushing	Calabazas Creek	8/23/2011	10	13,840	1,992,960	0.05	7.8	0	De-chlor,diffuser, gravel bags
355-103-75	Hydrant Flushing	Calabazas Creek	8/23/2011	10	14,240	2,050,560	0.01	7.4	0	De-chlor,diffuser, gravel bags
352-110-75	Hydrant Flushing	East Channel	8/23/2011	15	18,150	1,742,400	0.01	7.7	18	De-chlor,diffuser, gravel bags
355-109-75	Hydrant Flushing	Calabazas Creek	8/23/2011	15	21,945	2,106,720	0.04	8.1	32	De-chlor,diffuser, gravel bags
356-103-75	Hydrant Flushing	Calabazas Creek	8/25/2011	5	6,710	1,932,480	0.05	7.2	0	De-chlor,diffuser, gravel bags
356-102-75	Hydrant Flushing	Calabazas Creek	8/25/2011	6	7,800	1,872,000	0.02	7.8	0	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
357-109-75	Hydrant Flushing	Calabazas Creek	8/25/2011	7	9,541	1,962,720	0.00	7.8	0	De-chlor,diffuser, gravel bags
356-110-75	Hydrant Flushing	Calabazas Creek	8/25/2011	8	10,400	1,872,000	0.04	7.2	0	De-chlor,diffuser, gravel bags
356-105-75	Hydrant Flushing	Calabazas Creek	8/25/2011	8	10,560	1,900,800	0.03	7.7	3	De-chlor,diffuser, gravel bags
356-101-75	Hydrant Flushing	Calabazas Creek	8/25/2011	8	10,736	1,932,480	0.02	7.4	0	De-chlor,diffuser, gravel bags
324-107-75	Hydrant Flushing	Calabazas Creek	8/25/2011	8	11,072	1,992,960	0.00	8.0	0	De-chlor,diffuser, gravel bags
356-108-74	Hydrant Flushing	Calabazas Creek	8/25/2011	8	11,072	1,992,960	0.01	7.9	9	De-chlor,diffuser, gravel bags
357-101-75	Hydrant Flushing	Calabazas Creek	8/25/2011	9	12,636	2,021,760	0.00	7.6	0	De-chlor,diffuser, gravel bags
356-114-75	Hydrant Flushing	Calabazas Creek	8/25/2011	10	13,200	1,900,800	0.02	7.0	0	De-chlor,diffuser, gravel bags
357-106-74	Hydrant Flushing	Calabazas Creek	8/25/2011	10	13,630	1,962,720	0.03	6.8	0	De-chlor,diffuser, gravel bags
356-109-75	Hydrant Flushing	Calabazas Creek	8/25/2011	11	15,224	1,992,960	0.03	6.8	12	De-chlor,diffuser, gravel bags
356-107-74	Hydrant Flushing	Calabazas Creek	8/25/2011	15	20,760	1,992,960	0.01	6.9	24	De-chlor,diffuser, gravel bags
329-110-74	Hydrant Flushing	East Channel	8/29/2011	7	5,250	1,080,000	0.03	6.9	0	De-chlor,diffuser, gravel bags
336-102-75	Hydrant Flushing	Calabazas Creek	8/29/2011	5	6,710	1,932,480	0.05	6.7	0	De-chlor,diffuser, gravel bags
336-103-75	Hydrant Flushing	Calabazas Creek	8/29/2011	7	9,394	1,932,480	0.00	8.0	0	De-chlor,diffuser, gravel bags
334-103-75	Hydrant Flushing	Calabazas Creek	8/29/2011	8	10,736	1,932,480	0.05	7.4	0	De-chlor,diffuser, gravel bags
358-102-75	Hydrant Flushing	Calabazas Creek	8/29/2011	8	10,904	1,962,720	0.01	7.4	0	De-chlor,diffuser, gravel bags
358-111-75	Hydrant Flushing	East Channel	8/29/2011	9	11,880	1,900,800	0.00	7.5	0	De-chlor,diffuser, gravel bags
328-106-75	Hydrant Flushing	East Channel	8/29/2011	8	12,000	2,160,000	0.01	8.1	1	De-chlor,diffuser, gravel bags
329-102-75	Hydrant Flushing	East Channel	8/29/2011	8	12,000	2,160,000	0.05	6.5	3	De-chlor,diffuser, gravel bags
336-101-75	Hydrant Flushing	Calabazas Creek	8/29/2011	9	12,078	1,932,480	0.03	7.2	0	De-chlor,diffuser, gravel bags
358-101-74	Hydrant Flushing	Calabazas Creek	8/29/2011	9	12,987	2,077,920	0.02	8.0	33	De-chlor,diffuser, gravel bags
358-112-75	Hydrant Flushing	Calabazas Creek	8/29/2011	10	13,200	1,900,800	0.00	7.1	0	De-chlor,diffuser, gravel bags
329-112-76	Hydrant Flushing	East Channel	8/29/2011	11	13,310	1,742,400	0.01	7.1	7	De-chlor,diffuser, gravel bags
358-106-74	Hydrant Flushing	Calabazas Creek	8/29/2011	10	13,420	1,932,480	0.03	7.5	12	De-chlor,diffuser, gravel bags
358-109-75	Hydrant Flushing	Calabazas Creek	8/29/2011	11	14,300	1,872,000	0.05	8.1	0	De-chlor,diffuser, gravel bags
329-101-75	Hydrant Flushing	East Channel	8/29/2011	10	15,000	2,160,000	0.05	6.5	1	De-chlor,diffuser, gravel bags
329-103-75	Hydrant Flushing	East Channel	8/29/2011	10	15,000	2,160,000	0.03	6.8	0	De-chlor,diffuser, gravel bags
329-104-75	Hydrant Flushing	East Channel	8/29/2011	10	15,000	2,160,000	0.00	6.8	22	De-chlor,diffuser, gravel bags
454-107-74	Hydrant Flushing	Calabazas Creek	8/30/2011	4	5,280	1,900,800	0.01	8.1	3	De-chlor,diffuser, gravel bags
454-116-75	Hydrant Flushing	Calabazas Creek	8/30/2011	15	7,950	763,200	0.05	6.7	13	De-chlor,diffuser, gravel bags
328-108-75	Hydrant Flushing	East Channel	8/30/2011	6	8,424	2,021,760	0.00	7.6	0	De-chlor,diffuser, gravel bags
327-104-75	Hydrant Flushing	East Channel	8/30/2011	6	9,000	2,160,000	0.00	7.7	0	De-chlor,diffuser, gravel bags
327-101-75	Hydrant Flushing	East Channel	8/30/2011	6	9,000	2,160,000	0.05	8.1	3	De-chlor,diffuser, gravel bags
327-107-75	Hydrant Flushing	East Channel	8/30/2011	7	10,500	2,160,000	0.04	7.3	0	De-chlor,diffuser, gravel bags
323-103-75	Hydrant Flushing	East Channel	8/30/2011	8	10,520	1,900,800	0.04	7.2	27	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
323-101-74	Hydrant Flushing	East Channel	8/30/2011	8	10,560	1,900,800	0.03	7.1	3	De-chlor,diffuser, gravel bags
332-103-75	Hydrant Flushing	Calabazas Creek	8/30/2011	8	10,736	1,932,480	0.02	7.5	0	De-chlor,diffuser, gravel bags
323-102-75	Hydrant Flushing	East Channel	8/30/2011	9	11,880	1,900,800	0.01	7.0	1	De-chlor,diffuser, gravel bags
327-103-74	Hydrant Flushing	East Channel	8/30/2011	8	12,000	2,160,000	0.00	8.1	0	De-chlor,diffuser, gravel bags
327-106-75	Hydrant Flushing	East Channel	8/30/2011	8	12,000	2,160,000	0.04	6.7	0	De-chlor,diffuser, gravel bags
327-105-75	Hydrant Flushing	East Channel	8/30/2011	9	12,078	1,932,480	0.02	6.8	1	De-chlor,diffuser, gravel bags
323-107-75	Hydrant Flushing	East Channel	8/30/2011	10	13,200	1,900,800	0.04	7.6	0	De-chlor,diffuser, gravel bags
327-102-75	Hydrant Flushing	East Channel	8/30/2011	10	13,420	1,932,480	0.05	7.8	33	De-chlor,diffuser, gravel bags
323-109-75	Hydrant Flushing	East Channel	8/30/2011	11	14,058	1,840,320	0.03	7.5	1	De-chlor,diffuser, gravel bags
330-114-74	Hydrant Flushing	East Channel	8/30/2011	12	16,104	2,508,480	0.03	8.1	0	De-chlor,diffuser, gravel bags
454-103-74	Hydrant Flushing	Calabazas Creek	8/30/2011	15	19,800	1,900,800	0.00	8.0	33	De-chlor,diffuser, gravel bags
454-103-74	Hydrant Flushing	Calabazas Creek	8/30/2011	15	19,800	1,900,800	0.01	8.1	8	De-chlor,diffuser, gravel bags
358-105-75	Hydrant Flushing	Calabazas Creek	8/31/2011	6	7,116	1,707,840	0.01	7.9	3	De-chlor,diffuser, gravel bags
357-102-74	Hydrant Flushing	Calabazas Creek	8/31/2011	8	8,904	1,602,720	0.05	8.1	4	De-chlor,diffuser, gravel bags
357-105-75	Hydrant Flushing	Calabazas Creek	8/31/2011	7	8,946	1,840,320	0.02	7.8	12	De-chlor,diffuser, gravel bags
358-108-75	Hydrant Flushing	Calabazas Creek	8/31/2011	8	10,224	1,840,320	0.04	7.9	11	De-chlor,diffuser, gravel bags
357-107-74	Hydrant Flushing	Calabazas Creek	8/31/2011	8	10,400	1,872,000	0.04	7.8	0	De-chlor,diffuser, gravel bags
358-107-75	Hydrant Flushing	Calabazas Creek	8/31/2011	9	10,890	1,742,400	0.03	7.6	0	De-chlor,diffuser, gravel bags
357-103-74	Hydrant Flushing	Calabazas Creek	8/31/2011	10	11,130	1,602,720	0.05	8.0	1	De-chlor,diffuser, gravel bags
359-105-75	Hydrant Flushing	Calabazas Creek	8/31/2011	8	11,664	1,742,400	0.03	7.7	0	De-chlor,diffuser, gravel bags
358-104-75	Hydrant Flushing	Calabazas Creek	8/31/2011	9	11,700	1,872,000	0.03	7.7	3	De-chlor,diffuser, gravel bags
359-102-76	Hydrant Flushing	Calabazas Creek	8/31/2011	8	12,256	1,742,400	0.00	7.6	7	De-chlor,diffuser, gravel bags
357-108-75	Hydrant Flushing	Calabazas Creek	8/31/2011	10	12,780	1,840,320	0.05	7.7	11	De-chlor,diffuser, gravel bags
359-101-75	Hydrant Flushing	Calabazas Creek	8/31/2011	9	13,662	1,742,400	0.01	7.8	4	De-chlor,diffuser, gravel bags
357-104-74	Hydrant Flushing	Calabazas Creek	8/31/2011	11	14,300	1,872,000	0.00	7.6	0	De-chlor,diffuser, gravel bags
358-110-75	Hydrant Flushing	Calabazas Creek	8/31/2011	11	14,300	1,872,000	0.00	7.8	7	De-chlor,diffuser, gravel bags
358-103-75	Hydrant Flushing	Calabazas Creek	8/31/2011	11	14,300	1,872,000	0.05	7.8	0	De-chlor,diffuser, gravel bags
363-106-75	Hydrant Flushing	Calabazas Creek	9/1/2011	6	7,800	1,872,000	0.00	7.7	0	De-chlor,diffuser, gravel bags
362-103-75	Hydrant Flushing	Calabazas Creek	9/1/2011	7	8,134	1,673,280	0.05	7.7	12	De-chlor,diffuser, gravel bags
363-107-75	Hydrant Flushing	Calabazas Creek	9/1/2011	7	8,470	1,742,400	0.00	7.8	0	De-chlor,diffuser, gravel bags
362-104-75	Hydrant Flushing	Calabazas Creek	9/1/2011	8	10,224	1,840,320	0.05	7.5	0	De-chlor,diffuser, gravel bags
363-108-75	Hydrant Flushing	Calabazas Creek	9/1/2011	8	10,224	1,840,320	0.00	7.6	0	De-chlor,diffuser, gravel bags
363-112-75	Hydrant Flushing	Calabazas Creek	9/1/2011	8	10,400	1,872,000	0.02	8.0	0	De-chlor,diffuser, gravel bags
359-103-75	Hydrant Flushing	Calabazas Creek	9/1/2011	9	10,458	1,673,280	0.05	7.7	0	De-chlor,diffuser, gravel bags
363-104-75	Hydrant Flushing	Calabazas Creek	9/1/2011	8	10,560	1,900,800	0.01	7.5	0	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
359-104-75	Hydrant Flushing	Calabazas Creek	9/1/2011	10	11,620	1,673,280	0.05	7.8	12	De-chlor,diffuser, gravel bags
363-113-75	Hydrant Flushing	Calabazas Creek	9/1/2011	9	11,700	1,872,000	0.01	7.6	0	De-chlor,diffuser, gravel bags
363-101-75	Hydrant Flushing	Calabazas Creek	9/1/2011	9	11,880	1,900,800	0.01	7.6	0	De-chlor,diffuser, gravel bags
363-111-75	Hydrant Flushing	Calabazas Creek	9/1/2011	10	13,000	1,872,000	0.00	7.9	0	De-chlor,diffuser, gravel bags
362-102-75	Hydrant Flushing	Calabazas Creek	9/1/2011	10	13,200	1,900,800	0.04	7.4	11	De-chlor,diffuser, gravel bags
363-103-75	Hydrant Flushing	Calabazas Creek	9/1/2011	10	13,200	1,900,800	0.03	7.5	0	De-chlor,diffuser, gravel bags
363-105-75	Hydrant Flushing	Calabazas Creek	9/1/2011	10	13,840	1,992,960	0.02	7.8	0	De-chlor,diffuser, gravel bags
363-102-75	Hydrant Flushing	Calabazas Creek	9/1/2011	11	14,520	1,900,800	0.00	7.9	0	De-chlor,diffuser, gravel bags
363-110-74	Hydrant Flushing	Calabazas Creek	9/1/2011	12	16,104	1,932,480	0.00	8.0	1	De-chlor,diffuser, gravel bags
362-101-75	Hydrant Flushing	Calabazas Creek	9/1/2011	14	18,480	1,900,800	0.02	7.6	22	De-chlor,diffuser, gravel bags
354-108-74	Hydrant Flushing	East Channel	9/6/2011	5	6,390	1,840,320	0.03	8.0	0	De-chlor,diffuser, gravel bags
355-108-75	Hydrant Flushing	East Channel	9/6/2011	6	7,260	1,742,400	0.01	8.0	0	De-chlor,diffuser, gravel bags
355-106-75	Hydrant Flushing	East Channel	9/6/2011	7	8,946	1,840,320	0.00	8.1	0	De-chlor,diffuser, gravel bags
353-111-75	Hydrant Flushing	East Channel	9/6/2011	6	9,000	2,160,000	0.03	8.0	3	De-chlor,diffuser, gravel bags
356-104-75	Hydrant Flushing	East Channel	9/6/2011	9	10,125	1,620,000	0.04	7.8	0	De-chlor,diffuser, gravel bags
356-106-75	Hydrant Flushing	East Channel	9/6/2011	8	10,224	1,840,320	0.02	8.1	0	De-chlor,diffuser, gravel bags
353-106-75	Hydrant Flushing	East Channel	9/6/2011	8	10,224	1,840,320	0.01	8.2	7	De-chlor,diffuser, gravel bags
353-112-74	Hydrant Flushing	East Channel	9/6/2011	7	10,500	2,160,000	0.05	8.1	0	De-chlor,diffuser, gravel bags
354-107-74	Hydrant Flushing	East Channel	9/6/2011	8	11,072	1,992,960	0.02	8.1	0	De-chlor,diffuser, gravel bags
364-101-74	Hydrant Flushing	East Channel	9/6/2011	9	11,502	1,840,320	0.04	8.0	8	De-chlor,diffuser, gravel bags
364-102-75	Hydrant Flushing	East Channel	9/6/2011	9	11,502	1,840,320	0.02	7.0	0	De-chlor,diffuser, gravel bags
355-107-75	Hydrant Flushing	East Channel	9/6/2011	9	11,886	1,900,800	0.00	7.9	0	De-chlor,diffuser, gravel bags
363-109-75	Hydrant Flushing	East Channel	9/6/2011	10	12,780	1,840,320	0.04	7.0	14	De-chlor,diffuser, gravel bags
364-103-75	Hydrant Flushing	East Channel	9/6/2011	10	12,780	1,840,320	0.03	6.9	9	De-chlor,diffuser, gravel bags
353-108-75	Hydrant Flushing	East Channel	9/6/2011	10	13,420	1,932,480	0.04	8.0	7	De-chlor,diffuser, gravel bags
364-106-75	Hydrant Flushing	East Channel	9/6/2011	12	15,336	1,840,320	0.05	8.0	11	De-chlor,diffuser, gravel bags
353-115-75	Hydrant Flushing	East Channel	9/6/2011	14	20,202	2,077,920	0.05	8.1	3	De-chlor,diffuser, gravel bags
365-101-74	Hydrant Flushing	East Channel	9/7/2011	6	8,076	1,840,320	0.02	8.1	0	De-chlor,diffuser, gravel bags
353-117-75	Hydrant Flushing	East Channel	9/7/2011	6	8,544	2,050,560	0.02	8.0	3	De-chlor,diffuser, gravel bags
353-110-75	Hydrant Flushing	East Channel	9/7/2011	7	9,394	1,932,480	0.01	8.2	0	De-chlor,diffuser, gravel bags
353-116-75	Hydrant Flushing	East Channel	9/7/2011	7	9,968	2,050,560	0.01	8.2	0	De-chlor,diffuser, gravel bags
365-104-75	Hydrant Flushing	East Channel	9/7/2011	7	10,164	1,900,800	0.03	7.2	7	De-chlor,diffuser, gravel bags
365-104-74	Hydrant Flushing	East Channel	9/7/2011	8	10,664	1,840,320	0.03	8.2	0	De-chlor,diffuser, gravel bags
353-105-76	Hydrant Flushing	East Channel	9/7/2011	8	10,736	1,932,480	0.04	8.1	7	De-chlor,diffuser, gravel bags
364-107-75	Hydrant Flushing	East Channel	9/7/2011	8	10,736	1,932,480	0.03	8.1	0	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
364-104-75	Hydrant Flushing	East Channel	9/7/2011	8	11,072	1,992,960	0.04	7.9	0	De-chlor,diffuser, gravel bags
364-108-75	Hydrant Flushing	East Channel	9/7/2011	9	11,097	1,775,520	0.00	8.0	0	De-chlor,diffuser, gravel bags
353-107-75	Hydrant Flushing	East Channel	9/7/2011	10	13,200	1,900,800	0.03	8.3	0	De-chlor,diffuser, gravel bags
364-109-75	Hydrant Flushing	East Channel	9/7/2011	11	13,563	1,775,520	0.03	8.0	0	De-chlor,diffuser, gravel bags
365-103-74	Hydrant Flushing	East Channel	9/7/2011	9	13,572	1,900,800	0.04	7.4	3	De-chlor,diffuser, gravel bags
365-111-74	Hydrant Flushing	East Channel	9/7/2011	10	14,060	1,900,800	0.01	7.8	13	De-chlor,diffuser, gravel bags
353-102-75	Hydrant Flushing	East Channel	9/7/2011	11	14,762	1,932,480	0.02	8.3	0	De-chlor,diffuser, gravel bags
364-110-75	Hydrant Flushing	East Channel	9/7/2011	12	14,796	1,775,520	0.03	7.7	7	De-chlor,diffuser, gravel bags
364-105-75	Hydrant Flushing	East Channel	9/7/2011	12	14,796	1,775,520	0.03	8.1	0	De-chlor,diffuser, gravel bags
365-102-74	Hydrant Flushing	East Channel	9/7/2011	10	15,250	1,900,800	0.07	7.5	0	De-chlor,diffuser, gravel bags
365-108-75	Hydrant Flushing	East Channel	9/7/2011	11	15,818	1,900,800	0.04	7.8	5	De-chlor,diffuser, gravel bags
365-108-75	Hydrant Flushing	East Channel	9/7/2011	15	21,405	1,900,800	0.02	7.7	34	De-chlor,diffuser, gravel bags
352-107-75	Hydrant Flushing	Calabazas Creek	9/8/2011	6	6,678	1,602,720	0.02	7.4	7	De-chlor,diffuser, gravel bags
350-102-76	Hydrant Flushing	Calabazas Creek	9/8/2011	6	7,260	1,742,400	0.00	7.8	0	De-chlor,diffuser, gravel bags
353-114-75	Hydrant Flushing	Calabazas Creek	9/8/2011	6	8,304	1,992,960	0.01	7.8	0	De-chlor,diffuser, gravel bags
352-109-75	Hydrant Flushing	Calabazas Creek	9/8/2011	8	8,904	1,602,720	0.00	7.6	3	De-chlor,diffuser, gravel bags
252-113-75	Hydrant Flushing	Calabazas Creek	9/8/2011	7	8,946	1,840,320	0.01	7.4	0	De-chlor,diffuser, gravel bags
348-101-76	Hydrant Flushing	Calabazas Creek	9/8/2011	8	9,680	1,742,400	0.03	8.1	10	De-chlor,diffuser, gravel bags
349-106-75	Hydrant Flushing	Calabazas Creek	9/8/2011	8	9,680	1,742,400	0.02	8.1	0	De-chlor,diffuser, gravel bags
252-101-75	Hydrant Flushing	Calabazas Creek	9/8/2011	9	10,017	1,602,720	0.01	7.5	0	De-chlor,diffuser, gravel bags
353-101-75	Hydrant Flushing	Calabazas Creek	9/8/2011	8	10,224	1,840,320	0.02	8.1	0	De-chlor,diffuser, gravel bags
349-105-75	Hydrant Flushing	Calabazas Creek	9/8/2011	9	10,890	1,742,400	0.02	8.0	7	De-chlor,diffuser, gravel bags
349-109-75	Hydrant Flushing	Calabazas Creek	9/8/2011	9	10,890	1,742,400	0.00	8.1	0	De-chlor,diffuser, gravel bags
252-112-75	Hydrant Flushing	Calabazas Creek	9/8/2011	9	11,502	1,840,320	0.03	7.5	0	De-chlor,diffuser, gravel bags
353-103-75	Hydrant Flushing	Calabazas Creek	9/8/2011	9	12,078	1,932,480	0.01	8.0	0	De-chlor,diffuser, gravel bags
354-101-75	Hydrant Flushing	Calabazas Creek	9/8/2011	10	12,100	1,742,400	0.00	8.2	0	De-chlor,diffuser, gravel bags
349-101-75	Hydrant Flushing	Calabazas Creek	9/8/2011	11	12,243	1,602,720	0.02	7.8	3	De-chlor,diffuser, gravel bags
253-113-75	Hydrant Flushing	Calabazas Creek	9/8/2011	9	12,267	1,962,720	0.00	7.4	0	De-chlor,diffuser, gravel bags
252-108-75	Hydrant Flushing	Calabazas Creek	9/8/2011	10	13,630	1,962,720	0.01	7.5	0	De-chlor,diffuser, gravel bags
345-102-75	Hydrant Flushing	Calabazas Creek	9/8/2011	12	14,520	1,742,400	0.04	8.0	0	De-chlor,diffuser, gravel bags
345-101-75	Hydrant Flushing	Calabazas Creek	9/8/2011	13	15,730	1,742,400	0.00	8.0	0	De-chlor,diffuser, gravel bags
349-108-75	Hydrant Flushing	Calabazas Creek	9/8/2011	13	15,730	1,742,400	0.04	7.5	3	De-chlor,diffuser, gravel bags
366-102-75	Hydrant Flushing	East Channel	9/12/2011	5	6,710	1,932,480	0.01	7.5	0	De-chlor,diffuser, gravel bags
366-109-74	Hydrant Flushing	East Channel	9/12/2011	6	7,668	1,840,320	0.00	8.0	0	De-chlor,diffuser, gravel bags
365-107-75	Hydrant Flushing	East Channel	9/12/2011	7	8,302	1,707,840	0.00	7.3	0	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
367-112-74	Hydrant Flushing	East Channel	9/12/2011	6	8,424	2,021,760	0.01	7.8	0	De-chlor,diffuser, gravel bags
365-106-75	Hydrant Flushing	East Channel	9/12/2011	8	9,864	1,775,520	0.03	7.4	5	De-chlor,diffuser, gravel bags
366-101-75	Hydrant Flushing	East Channel	9/12/2011	8	10,736	1,932,480	0.00	7.4	11	De-chlor,diffuser, gravel bags
366-105-75	Hydrant Flushing	East Channel	9/12/2011	8	11,232	2,021,760	0.00	8.1	5	De-chlor,diffuser, gravel bags
366-112-74	Hydrant Flushing	East Channel	9/12/2011	9	11,700	1,872,000	0.00	7.8	0	De-chlor,diffuser, gravel bags
366-107-74	Hydrant Flushing	East Channel	9/12/2011	9	11,916	1,906,560	0.01	8.0	0	De-chlor,diffuser, gravel bags
367-111-74	Hydrant Flushing	East Channel	9/12/2011	9	12,636	2,021,760	0.03	7.9	0	De-chlor,diffuser, gravel bags
366-106-74	Hydrant Flushing	East Channel	9/12/2011	10	12,780	1,840,320	0.00	7.6	0	De-chlor,diffuser, gravel bags
366-110-74	Hydrant Flushing	East Channel	9/12/2011	10	13,200	1,900,800	0.01	7.8	0	De-chlor,diffuser, gravel bags
366-111-74	Hydrant Flushing	East Channel	9/12/2011	10	13,200	1,900,800	0.04	7.9	5	De-chlor,diffuser, gravel bags
367-108-75	Hydrant Flushing	East Channel	9/12/2011	10	13,420	1,932,480	0.03	8.0	0	De-chlor,diffuser, gravel bags
366-104-75	Hydrant Flushing	East Channel	9/12/2011	10	13,630	1,962,720	0.02	8.1	0	De-chlor,diffuser, gravel bags
367-107-75	Hydrant Flushing	East Channel	9/12/2011	10	14,240	2,050,560	0.04	8.0	0	De-chlor,diffuser, gravel bags
367-110-75	Hydrant Flushing	East Channel	9/12/2011	11	14,520	1,900,800	0.05	7.8	0	De-chlor,diffuser, gravel bags
366-103-75	Hydrant Flushing	East Channel	9/12/2011	11	14,762	1,932,480	0.03	7.5	0	De-chlor,diffuser, gravel bags
366-108-75	Hydrant Flushing	East Channel	9/12/2011	11	15,224	1,992,960	0.00	7.5	0	De-chlor,diffuser, gravel bags
366-113-74	Hydrant Flushing	East Channel	9/12/2011	14	19,376	1,992,960	0.00	8.2	0	De-chlor,diffuser, gravel bags
369-105-74	Hydrant Flushing	East Channel	9/13/2011	6	6,522	1,565,280	0.04	7.8	0	De-chlor,diffuser, gravel bags
367-102-75	Hydrant Flushing	East Channel	9/13/2011	11	7,040	921,600	0.00	8.0	16	De-chlor,diffuser, gravel bags
367-103-75	Hydrant Flushing	East Channel	9/13/2011	9	7,110	1,137,600	0.00	7.9	38	De-chlor,diffuser, gravel bags
370-101-75	Hydrant Flushing	East Channel	9/13/2011	7	7,791	1,602,720	0.02	7.1	12	De-chlor,diffuser, gravel bags
369-106-75	Hydrant Flushing	East Channel	9/13/2011	8	8,272	1,488,960	0.03	6.8	0	De-chlor,diffuser, gravel bags
369-101-75	Hydrant Flushing	East Channel	9/13/2011	8	8,696	1,565,280	0.03	7.0	0	De-chlor,diffuser, gravel bags
370-103-75	Hydrant Flushing	East Channel	9/13/2011	8	8,696	1,565,280	0.01	8.0	0	De-chlor,diffuser, gravel bags
370-104-75	Hydrant Flushing	East Channel	9/13/2011	8	9,296	1,673,280	0.00	8.1	0	De-chlor,diffuser, gravel bags
369-103-75	Hydrant Flushing	East Channel	9/13/2011	9	9,549	1,527,840	0.00	6.8	0	De-chlor,diffuser, gravel bags
369-107-74	Hydrant Flushing	East Channel	9/13/2011	9	9,702	1,552,320	0.04	7.4	0	De-chlor,diffuser, gravel bags
370-102-75	Hydrant Flushing	East Channel	9/13/2011	9	9,783	1,565,280	0.04	8.1	0	De-chlor,diffuser, gravel bags
369-104-75	Hydrant Flushing	East Channel	9/13/2011	10	10,610	1,527,840	0.03	7.8	0	De-chlor,diffuser, gravel bags
369-108-75	Hydrant Flushing	East Channel	9/13/2011	10	10,610	1,527,840	0.20	6.9	0	De-chlor,diffuser, gravel bags
369-102-75	Hydrant Flushing	East Channel	9/13/2011	10	10,870	1,565,280	0.00	6.8	0	De-chlor,diffuser, gravel bags
367-109-75	Hydrant Flushing	East Channel	9/13/2011	9	11,502	1,840,320	0.01	8.0	0	De-chlor,diffuser, gravel bags
367-105-75	Hydrant Flushing	East Channel	9/13/2011	9	12,267	1,962,720	0.03	7.8	5	De-chlor,diffuser, gravel bags
367-104-75	Hydrant Flushing	East Channel	9/13/2011	10	13,630	1,962,720	0.00	8.2	1	De-chlor,diffuser, gravel bags
372-106-75	Hydrant Flushing	Calabazas Creek	9/14/2011	5	6,165	1,775,520	0.02	7.8	0	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
371-107-75	Hydrant Flushing	East Channel	9/14/2011	6	6,828	1,638,720	0.03	7.8	0	De-chlor,diffuser, gravel bags
372-108-75	Hydrant Flushing	Calabazas Creek	9/14/2011	7	8,631	1,775,520	0.03	8.0	0	De-chlor,diffuser, gravel bags
371-108-75	Hydrant Flushing	East Channel	9/14/2011	8	9,104	1,638,720	0.00	8.0	0	De-chlor,diffuser, gravel bags
372-105-75	Hydrant Flushing	Calabazas Creek	9/14/2011	8	9,864	1,775,520	0.00	7.9	0	De-chlor,diffuser, gravel bags
372-109-75	Hydrant Flushing	Calabazas Creek	9/14/2011	8	9,864	1,775,520	0.05	8.0	0	De-chlor,diffuser, gravel bags
372-107-75	Hydrant Flushing	Calabazas Creek	9/14/2011	8	9,864	1,775,520	0.03	8.1	0	De-chlor,diffuser, gravel bags
371-105-75	Hydrant Flushing	East Channel	9/14/2011	9	10,017	1,602,720	0.00	7.8	0	De-chlor,diffuser, gravel bags
371-110-75	Hydrant Flushing	East Channel	9/14/2011	9	10,674	1,707,840	0.02	8.1	0	De-chlor,diffuser, gravel bags
371-106-75	Hydrant Flushing	East Channel	9/14/2011	10	11,130	1,602,720	0.01	7.9	0	De-chlor,diffuser, gravel bags
371-111-75	Hydrant Flushing	East Channel	9/14/2011	10	11,860	1,707,840	0.03	8.0	0	De-chlor,diffuser, gravel bags
372-104-75	Hydrant Flushing	Calabazas Creek	9/14/2011	10	12,330	1,775,520	0.04	8.0	0	De-chlor,diffuser, gravel bags
372-102-75	Hydrant Flushing	Calabazas Creek	9/14/2011	11	13,310	1,742,400	0.02	8.0	0	De-chlor,diffuser, gravel bags
374-101-75	Hydrant Flushing	Calabazas Creek	9/21/2011	6	7,398	1,775,520	0.00	8.1	0	De-chlor,diffuser, gravel bags
375-103-75	Hydrant Flushing	Calabazas Creek	9/21/2011	6	7,398	1,775,520	0.01	7.9	0	De-chlor,diffuser, gravel bags
350-101-75	Hydrant Flushing	Calabazas Creek	9/21/2011	7	7,966	1,638,720	0.01	8.0	0	De-chlor,diffuser, gravel bags
375-101-75	Hydrant Flushing	Calabazas Creek	9/21/2011	7	8,631	1,775,520	0.00	8.0	0	De-chlor,diffuser, gravel bags
375-102-75	Hydrant Flushing	Calabazas Creek	9/21/2011	7	8,631	1,775,520	0.01	8.0	0	De-chlor,diffuser, gravel bags
349-103-75	Hydrant Flushing	Calabazas Creek	9/21/2011	8	9,488	1,707,840	0.01	8.0	0	De-chlor,diffuser, gravel bags
374-103-75	Hydrant Flushing	Calabazas Creek	9/21/2011	8	9,864	1,775,520	0.01	7.9	0	De-chlor,diffuser, gravel bags
376-105-75	Hydrant Flushing	Calabazas Creek	9/21/2011	8	9,864	1,775,520	0.03	8.0	0	De-chlor,diffuser, gravel bags
373-109-75	Hydrant Flushing	Calabazas Creek	9/21/2011	9	10,674	1,707,840	0.02	8.0	0	De-chlor,diffuser, gravel bags
374-102-75	Hydrant Flushing	Calabazas Creek	9/21/2011	9	11,097	1,775,520	0.00	7.8	3	De-chlor,diffuser, gravel bags
374-104-75	Hydrant Flushing	Calabazas Creek	9/21/2011	9	11,097	1,775,520	0.05	8.3	4	De-chlor,diffuser, gravel bags
373-108-75	Hydrant Flushing	Calabazas Creek	9/21/2011	10	11,860	1,707,840	0.00	8.1	0	De-chlor,diffuser, gravel bags
498-105-75	Hydrant Flushing	Calabazas Creek	9/21/2011	9	11,880	1,900,800	0.04	7.2	0	De-chlor,diffuser, gravel bags
386-107-75	Hydrant Flushing	Calabazas Creek	9/22/2011	5	5,625	1,620,000	0.00	7.3	0	De-chlor,diffuser, gravel bags
386-108-75	Hydrant Flushing	Calabazas Creek	9/22/2011	5	5,750	1,656,000	0.00	7.1	2	De-chlor,diffuser, gravel bags
388-101-75	Hydrant Flushing	Calabazas Creek	9/22/2011	5	5,930	1,707,840	0.00	7.2	1	De-chlor,diffuser, gravel bags
384-103-75	Hydrant Flushing	Calabazas Creek	9/22/2011	5	5,930	1,707,840	0.02	7.8	4	De-chlor,diffuser, gravel bags
384-104-75	Hydrant Flushing	Calabazas Creek	9/22/2011	5	6,050	1,742,400	0.01	7.1	0	De-chlor,diffuser, gravel bags
386-102-75	Hydrant Flushing	Calabazas Creek	9/22/2011	6	7,116	1,707,840	0.03	7.2	1	De-chlor,diffuser, gravel bags
386-105-75	Hydrant Flushing	Calabazas Creek	9/22/2011	6	7,116	1,707,840	0.05	7.0	0	De-chlor,diffuser, gravel bags
385-101-75	Hydrant Flushing	Calabazas Creek	9/22/2011	6	7,390	1,775,520	0.01	7.3	0	De-chlor,diffuser, gravel bags
384-102-75	Hydrant Flushing	Calabazas Creek	9/22/2011	6	7,530	1,807,200	0.00	7.7	0	De-chlor,diffuser, gravel bags
388-104-75	Hydrant Flushing	Calabazas Creek	9/22/2011	7	8,050	1,656,000	0.00	7.2	4	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
388-102-75	Hydrant Flushing	Calabazas Creek	9/22/2011	7	8,134	1,673,280	0.03	7.0	1	De-chlor,diffuser, gravel bags
388-103-75	Hydrant Flushing	Calabazas Creek	9/22/2011	7	8,218	1,690,560	0.01	7.1	0	De-chlor,diffuser, gravel bags
384-101-75	Hydrant Flushing	Calabazas Creek	9/22/2011	7	8,302	1,707,840	0.03	7.9	0	De-chlor,diffuser, gravel bags
385-104-75	Hydrant Flushing	Calabazas Creek	9/22/2011	7	8,386	1,725,120	0.03	7.2	1	De-chlor,diffuser, gravel bags
386-101-75	Hydrant Flushing	Calabazas Creek	9/22/2011	7	8,708	1,791,360	0.00	7.4	0	De-chlor,diffuser, gravel bags
386-106-75	Hydrant Flushing	Calabazas Creek	9/22/2011	7	9,100	1,872,000	0.01	7.1	1	De-chlor,diffuser, gravel bags
386-109-75	Hydrant Flushing	Calabazas Creek	9/22/2011	8	9,488	1,707,840	0.01	7.0	0	De-chlor,diffuser, gravel bags
385-102-75	Hydrant Flushing	Calabazas Creek	9/22/2011	8	9,488	1,707,840	0.00	7.1	0	De-chlor,diffuser, gravel bags
383-104-75	Hydrant Flushing	Calabazas Creek	9/22/2011	8	9,584	1,725,120	0.00	7.4	1	De-chlor,diffuser, gravel bags
384-105-75	Hydrant Flushing	Calabazas Creek	9/22/2011	8	9,864	1,775,520	0.00	7.2	1	De-chlor,diffuser, gravel bags
386-103-75	Hydrant Flushing	Calabazas Creek	9/22/2011	8	9,952	1,791,360	0.00	7.1	0	De-chlor,diffuser, gravel bags
385-103-75	Hydrant Flushing	Calabazas Creek	9/22/2011	10	11,740	1,690,560	0.02	7.1	0	De-chlor,diffuser, gravel bags
384-106-75	Hydrant Flushing	Calabazas Creek	9/22/2011	10	11,860	1,707,840	0.04	7.6	0	De-chlor,diffuser, gravel bags
386-104-75	Hydrant Flushing	Calabazas Creek	9/22/2011	10	12,330	1,775,520	0.00	7.2	0	De-chlor,diffuser, gravel bags
376-110-75	Hydrant Flushing	Calabazas Creek	9/27/2011	5	5,565	1,602,720	0.01	7.3	3	De-chlor,diffuser, gravel bags
378-105-75	Hydrant Flushing	Calabazas Creek	9/27/2011	5	6,165	1,775,520	0.01	8.4	0	De-chlor,diffuser, gravel bags
377-104-75	Hydrant Flushing	Calabazas Creek	9/27/2011	5	6,165	1,775,520	0.03	7.3	0	De-chlor,diffuser, gravel bags
388-105-75	Hydrant Flushing	Calabazas Creek	9/27/2011	6	7,116	1,707,840	0.02	7.7	0	De-chlor,diffuser, gravel bags
376-109-75	Hydrant Flushing	Calabazas Creek	9/27/2011	6	7,398	1,775,520	0.00	7.1	0	De-chlor,diffuser, gravel bags
377-108-75	Hydrant Flushing	Calabazas Creek	9/27/2011	6	7,398	1,775,520	0.00	7.7	0	De-chlor,diffuser, gravel bags
376-101-75	Hydrant Flushing	Calabazas Creek	9/27/2011	7	7,791	1,602,720	0.00	8.0	0	De-chlor,diffuser, gravel bags
376-113-75	Hydrant Flushing	Calabazas Creek	9/27/2011	7	7,791	1,602,720	0.01	8.0	0	De-chlor,diffuser, gravel bags
376-106-75	Hydrant Flushing	Calabazas Creek	9/27/2011	7	7,791	1,602,720	0.03	7.8	16	De-chlor,diffuser, gravel bags
376-103-74	Hydrant Flushing	Calabazas Creek	9/27/2011	7	7,966	1,638,720	0.03	8.0	0	De-chlor,diffuser, gravel bags
377-106-75	Hydrant Flushing	Calabazas Creek	9/27/2011	7	8,631	1,775,520	0.04	7.8	0	De-chlor,diffuser, gravel bags
376-107-75	Hydrant Flushing	Calabazas Creek	9/27/2011	8	8,904	1,602,720	0.04	7.9	0	De-chlor,diffuser, gravel bags
377-107-75	Hydrant Flushing	Calabazas Creek	9/27/2011	7	8,946	1,840,320	0.03	7.9	0	De-chlor,diffuser, gravel bags
376-104-75	Hydrant Flushing	Calabazas Creek	9/27/2011	8	9,104	1,638,720	0.03	8.3	0	De-chlor,diffuser, gravel bags
376-112-75	Hydrant Flushing	Calabazas Creek	9/27/2011	8	9,104	1,638,720	0.02	8.0	0	De-chlor,diffuser, gravel bags
377-109-75	Hydrant Flushing	Calabazas Creek	9/27/2011	8	9,296	1,673,280	0.05	7.2	0	De-chlor,diffuser, gravel bags
388-106-75	Hydrant Flushing	Calabazas Creek	9/27/2011	9	9,666	1,546,560	0.03	7.8	0	De-chlor,diffuser, gravel bags
375-104-75	Hydrant Flushing	Calabazas Creek	9/27/2011	9	10,017	1,602,720	0.00	8.0	0	De-chlor,diffuser, gravel bags
376-102-75	Hydrant Flushing	Calabazas Creek	9/27/2011	9	10,017	1,602,720	0.01	6.8	0	De-chlor,diffuser, gravel bags
376-108-75	Hydrant Flushing	Calabazas Creek	9/27/2011	9	10,458	1,673,280	0.05	7.0	0	De-chlor,diffuser, gravel bags
377-103-75	Hydrant Flushing	Calabazas Creek	9/27/2011	9	10,458	1,673,280	0.00	7.9	0	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
377-110-75	Hydrant Flushing	Calabazas Creek	9/27/2011	9	11,097	1,775,520	0.00	8.1	0	De-chlor,diffuser, gravel bags
377-105-75	Hydrant Flushing	Calabazas Creek	9/27/2011	10	11,620	1,673,280	0.04	7.8	0	De-chlor,diffuser, gravel bags
376-111-75	Hydrant Flushing	Calabazas Creek	9/27/2011	11	12,518	1,638,720	0.01	8.1	0	De-chlor,diffuser, gravel bags
378-108-75	Hydrant Flushing	Calabazas Creek	9/28/2011	6	8,304	1,992,960	0.02	8.0	0	De-chlor,diffuser, gravel bags
378-109-75	Hydrant Flushing	Calabazas Creek	9/28/2011	6	8,304	1,992,960	0.00	7.9	0	De-chlor,diffuser, gravel bags
378-101-75	Hydrant Flushing	Calabazas Creek	9/28/2011	6	8,304	1,992,960	0.00	8.1	0	De-chlor,diffuser, gravel bags
373-110-75	Hydrant Flushing	Calabazas Creek	9/28/2011	8	8,904	1,602,720	0.00	8.0	3	De-chlor,diffuser, gravel bags
377-102-75	Hydrant Flushing	Calabazas Creek	9/28/2011	8	8,904	1,602,720	0.01	7.7	0	De-chlor,diffuser, gravel bags
378-106-75	Hydrant Flushing	Calabazas Creek	9/28/2011	8	8,904	1,602,720	0.02	7.7	0	De-chlor,diffuser, gravel bags
387-101-75	Hydrant Flushing	Calabazas Creek	9/28/2011	7	9,100	1,872,000	0.00	7.9	6	De-chlor,diffuser, gravel bags
383-103-75	Hydrant Flushing	Calabazas Creek	9/28/2011	7	9,394	1,932,480	0.02	7.9	2	De-chlor,diffuser, gravel bags
378-105-75	Hydrant Flushing	Calabazas Creek	9/28/2011	7	9,541	1,962,720	0.03	8.0	0	De-chlor,diffuser, gravel bags
378-107-75	Hydrant Flushing	Calabazas Creek	9/28/2011	7	9,688	1,992,960	0.01	8.1	0	De-chlor,diffuser, gravel bags
377-101-75	Hydrant Flushing	Calabazas Creek	9/28/2011	9	9,783	1,565,280	0.03	7.8	0	De-chlor,diffuser, gravel bags
387-104-75	Hydrant Flushing	Calabazas Creek	9/28/2011	7	9,828	2,021,760	0.01	7.8	4	De-chlor,diffuser, gravel bags
387-102-75	Hydrant Flushing	Calabazas Creek	9/28/2011	7	9,828	2,021,760	0.01	7.9	0	De-chlor,diffuser, gravel bags
378-107-75	Hydrant Flushing	Calabazas Creek	9/28/2011	9	10,017	1,602,720	0.03	8.2	2	De-chlor,diffuser, gravel bags
383-102-75	Hydrant Flushing	Calabazas Creek	9/28/2011	8	10,736	1,932,480	0.00	8.0	0	De-chlor,diffuser, gravel bags
378-103-75	Hydrant Flushing	Calabazas Creek	9/28/2011	9	12,267	1,962,720	0.03	8.0	0	De-chlor,diffuser, gravel bags
383-101-75	Hydrant Flushing	Calabazas Creek	9/28/2011	9	12,267	1,962,720	0.01	7.9	0	De-chlor,diffuser, gravel bags
387-107-75	Hydrant Flushing	Calabazas Creek	9/28/2011	9	12,636	2,021,760	0.00	7.9	0	De-chlor,diffuser, gravel bags
378-102-75	Hydrant Flushing	Calabazas Creek	9/28/2011	11	15,224	1,992,960	0.02	8.1	0	De-chlor,diffuser, gravel bags
394-106-75	Hydrant Flushing	East Channel	10/4/2011	4	4,744	1,707,840	0.07	7.6	6	De-chlor,diffuser, gravel bags
368-108-75	Hydrant Flushing	Calabazas Creek	10/4/2011	8	5,680	1,022,400	0.04	7.3	19	De-chlor,diffuser, gravel bags
393-111-75	Hydrant Flushing	East Channel	10/4/2011	5	5,930	1,707,840	0.05	7.9	8	De-chlor,diffuser, gravel bags
394-105-75	Hydrant Flushing	East Channel	10/4/2011	6	7,116	1,707,840	0.1	7.7	0	De-chlor,diffuser, gravel bags
394-102-75	Hydrant Flushing	East Channel	10/4/2011	6	7,260	1,742,400	0.03	7.7	6	De-chlor,diffuser, gravel bags
394-104-75	Hydrant Flushing	East Channel	10/4/2011	6	7,398	1,775,520	0.06	8.3	0	De-chlor,diffuser, gravel bags
393-106-75	Hydrant Flushing	East Channel	10/4/2011	6	7,530	1,807,200	0.02	7.8	3	De-chlor,diffuser, gravel bags
390-108-75	Hydrant Flushing	Calabazas Creek	10/4/2011	6	7,668	1,840,320	0.04	7.7	5	De-chlor,diffuser, gravel bags
390-101-75	Hydrant Flushing	Calabazas Creek	10/4/2011	7	9,100	1,872,000	0.03	7.8	3	De-chlor,diffuser, gravel bags
390-103-74	Hydrant Flushing	Calabazas Creek	10/4/2011	7	9,100	1,872,000	0	7.6	3	De-chlor,diffuser, gravel bags
394-103-74	Hydrant Flushing	East Channel	10/4/2011	7	9,240	1,900,800	0.03	7.7	0	De-chlor,diffuser, gravel bags
368-109-75	Hydrant Flushing	Calabazas Creek	10/4/2011	8	9,296	1,673,280	0.01	7.0	5	De-chlor,diffuser, gravel bags
390-105-75	Hydrant Flushing	Calabazas Creek	10/4/2011	8	9,864	1,775,520	0.01	7.6	1	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
390-106-74	Hydrant Flushing	Calabazas Creek	10/4/2011	8	10,040	1,807,200	0.02	7.8	7	De-chlor,diffuser, gravel bags
368-111-75	Hydrant Flushing	Calabazas Creek	10/4/2011	7	10,241	2,106,720	0.03	7.8	3	De-chlor,diffuser, gravel bags
394-101-75	Hydrant Flushing	East Channel	10/4/2011	9	10,890	1,742,400	0.04	8.1	0	De-chlor,diffuser, gravel bags
368-104-75	Hydrant Flushing	Calabazas Creek	10/4/2011	11	11,110	1,454,400	0	7.1	7	De-chlor,diffuser, gravel bags
390-104-74	Hydrant Flushing	Calabazas Creek	10/4/2011	9	11,700	1,872,000	0.02	7.8	0	De-chlor,diffuser, gravel bags
393-110-75	Hydrant Flushing	East Channel	10/4/2011	9	11,700	1,872,000	0.04	7.6	0	De-chlor,diffuser, gravel bags
391-105-74	Hydrant Flushing	Calabazas Creek	10/4/2011	10	13,200	1,900,800	0.01	7.6	0	De-chlor,diffuser, gravel bags
393-108-75	Hydrant Flushing	East Channel	10/4/2011	12	14,520	1,742,400	0.03	8.0	0	De-chlor,diffuser, gravel bags
368-107-75	Hydrant Flushing	Calabazas Creek	10/4/2011	11	16,093	2,106,720	0.05	7.3	0	De-chlor,diffuser, gravel bags
397-108-75	Hydrant Flushing	West Channel	10/7/2011	5	7,020	2,021,760	0.03	7.6	0	De-chlor,diffuser, gravel bags
397-103-75	Hydrant Flushing	West Channel	10/7/2011	5	7,410	2,134,080	0.18	7.7	1	De-chlor,diffuser, gravel bags
397-106-75	Hydrant Flushing	West Channel	10/7/2011	6	8,544	2,050,560	0.02	7.6	0	De-chlor,diffuser, gravel bags
397-101-75	Hydrant Flushing	West Channel	10/7/2011	6	9,000	2,160,000	0.02	7.6	7	De-chlor,diffuser, gravel bags
396-109-74	Hydrant Flushing	West Channel	10/7/2011	7	10,374	2,134,080	0	7.8	1	De-chlor,diffuser, gravel bags
397-111-74	Hydrant Flushing	West Channel	10/7/2011	7	10,388	2,136,960	0.01	7.4	0	De-chlor,diffuser, gravel bags
397-104-75	Hydrant Flushing	West Channel	10/7/2011	8	11,392	2,050,560	0.01	7.5	0	De-chlor,diffuser, gravel bags
397-107-75	Hydrant Flushing	West Channel	10/7/2011	8	11,624	2,092,320	0	7.3	4	De-chlor,diffuser, gravel bags
397-110-75	Hydrant Flushing	West Channel	10/7/2011	9	12,987	2,077,920	0.04	7.5	7	De-chlor,diffuser, gravel bags
397-102-75	Hydrant Flushing	West Channel	10/7/2011	9	13,338	2,134,080	0	7.7	4	De-chlor,diffuser, gravel bags
396-110-75	Hydrant Flushing	West Channel	10/7/2011	10	14,040	2,021,760	0	7.7	10	De-chlor,diffuser, gravel bags
397-109-75	Hydrant Flushing	West Channel	10/7/2011	10	14,040	2,021,760	0	7.5	14	De-chlor,diffuser, gravel bags
397-105-75	Hydrant Flushing	West Channel	10/7/2011	11	16,500	2,160,000	0.07	7.4	0	De-chlor,diffuser, gravel bags
398-110-75	Hydrant Flushing	West Channel	10/10/2011	5	7,215	2,077,920	0.03	7.7	6	De-chlor,diffuser, gravel bags
398-109-75	Hydrant Flushing	West Channel	10/10/2011	9	8,658	2,077,920	0.01	7.8	7	De-chlor,diffuser, gravel bags
398-101-75	Hydrant Flushing	West Channel	10/10/2011	6	9,000	2,160,000	0.01	7.4	6	De-chlor,diffuser, gravel bags
398-112-75	Hydrant Flushing	West Channel	10/10/2011	7	9,968	2,050,560	0.03	7.7	0	De-chlor,diffuser, gravel bags
398-104-75	Hydrant Flushing	West Channel	10/10/2011	8	11,544	2,077,920	0.01	7.4	7	De-chlor,diffuser, gravel bags
398-108-75	Hydrant Flushing	West Channel	10/10/2011	9	12,816	2,050,560	0.05	7.7	0	De-chlor,diffuser, gravel bags
398-107-75	Hydrant Flushing	West Channel	10/10/2011	9	13,338	2,134,080	0	7.6	0	De-chlor,diffuser, gravel bags
398-105-75	Hydrant Flushing	West Channel	10/10/2011	10	14,630	2,106,720	0.02	7.5	0	De-chlor,diffuser, gravel bags
398-107-75	Hydrant Flushing	West Channel	10/10/2011	11	15,224	1,992,960	0.03	7.5	22	De-chlor,diffuser, gravel bags
398-111-75	Hydrant Flushing	West Channel	10/10/2011	11	15,873	2,077,920	0.01	7.7	3	De-chlor,diffuser, gravel bags
398-102-75	Hydrant Flushing	West Channel	10/10/2011	12	17,316	2,077,920	0.02	7.4	15	De-chlor,diffuser, gravel bags
398-106-75	Hydrant Flushing	West Channel	10/10/2011	12	17,556	2,106,720	0.03	7.5	12	De-chlor,diffuser, gravel bags
403-104-75	Hydrant Flushing	West Channel	10/11/2011	6	8,544	2,050,560	0.01	7.4	7	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
405-103-75	Hydrant Flushing	West Channel	10/11/2011	8	9,296	1,673,280	0	8.0	20	De-chlor,diffuser, gravel bags
399-101-75	Hydrant Flushing	West Channel	10/11/2011	7	9,828	2,021,760	0.03	7.4	12	De-chlor,diffuser, gravel bags
395-107-75	Hydrant Flushing	West Channel	10/11/2011	9	10,247	1,638,720	0.02	7.7	15	De-chlor,diffuser, gravel bags
396-104-75	Hydrant Flushing	West Channel	10/11/2011	8	11,072	1,992,960	0.01	7.5	7	De-chlor,diffuser, gravel bags
403-102-75	Hydrant Flushing	West Channel	10/11/2011	8	11,392	2,050,560	0.02	7.3	0	De-chlor,diffuser, gravel bags
395-103-75	Hydrant Flushing	West Channel	10/11/2011	8	11,392	2,050,560	0.02	7.5	0	De-chlor,diffuser, gravel bags
395-108-75	Hydrant Flushing	West Channel	10/11/2011	10	11,620	1,673,280	0.01	7.9	0	De-chlor,diffuser, gravel bags
395-109-75	Hydrant Flushing	West Channel	10/11/2011	11	12,518	1,638,720	0.03	8.0	0	De-chlor,diffuser, gravel bags
403-101-75	Hydrant Flushing	West Channel	10/11/2011	9	12,636	2,021,760	0	7.4	18	De-chlor,diffuser, gravel bags
396-107-75	Hydrant Flushing	West Channel	10/11/2011	9	12,636	2,021,760	0	7.4	0	De-chlor,diffuser, gravel bags
406-109-75	Hydrant Flushing	West Channel	10/11/2011	12	13,944	1,673,280	0.02	7.9	7	De-chlor,diffuser, gravel bags
405-104-75	Hydrant Flushing	West Channel	10/11/2011	12	14,232	1,707,840	0.02	7.9	25	De-chlor,diffuser, gravel bags
406-102-74	Hydrant Flushing	West Channel	10/11/2011	12	14,232	1,707,840	0.01	7.6	14	De-chlor,diffuser, gravel bags
395-106-74	Hydrant Flushing	West Channel	10/11/2011	10	14,240	2,050,560	0.03	7.8	12	De-chlor,diffuser, gravel bags
405-101-75	Hydrant Flushing	West Channel	10/11/2011	13	15,418	1,707,840	0	7.9	12	De-chlor,diffuser, gravel bags
403-103-75	Hydrant Flushing	West Channel	10/11/2011	11	15,664	2,050,560	0	7.2	0	De-chlor,diffuser, gravel bags
396-105-75	Hydrant Flushing	West Channel	10/11/2011	11	15,664	2,050,560	0.03	7.4	3	De-chlor,diffuser, gravel bags
406-108-75	Hydrant Flushing	West Channel	10/11/2011	14	16,268	1,673,280	0.03	8.1	42	De-chlor,diffuser, gravel bags
406-101-74	Hydrant Flushing	West Channel	10/11/2011	14	16,604	1,707,840	0.03	7.7	26	De-chlor,diffuser, gravel bags
406-118-75	Hydrant Flushing	West Channel	10/11/2011	15	17,790	1,707,840	0.01	7.7	18	De-chlor,diffuser, gravel bags
406-110-75	Hydrant Flushing	West Channel	10/12/2011	6	7,116	1,707,840	0.01	8.1	9	De-chlor,diffuser, gravel bags
406-107-75	Hydrant Flushing	West Channel	10/12/2011	6	7,116	1,707,840	0.02	8.0	1	De-chlor,diffuser, gravel bags
406-105-75	Hydrant Flushing	West Channel	10/12/2011	6	7,116	1,673,280	0.01	8.0	0	De-chlor,diffuser, gravel bags
406-115-75	Hydrant Flushing	West Channel	10/12/2011	7	8,302	1,707,840	0.04	7.8	7	De-chlor,diffuser, gravel bags
406-106-75	Hydrant Flushing	West Channel	10/12/2011	7	8,302	1,707,840	0.03	7.9	26	De-chlor,diffuser, gravel bags
406-116-75	Hydrant Flushing	West Channel	10/12/2011	8	9,488	1,707,840	0.02	7.6	7	De-chlor,diffuser, gravel bags
406-113-75	Hydrant Flushing	West Channel	10/12/2011	8	9,488	1,707,840	0.01	8.0	3	De-chlor,diffuser, gravel bags
406-111-75	Hydrant Flushing	West Channel	10/12/2011	8	9,488	1,707,840	0.01	8.1	23	De-chlor,diffuser, gravel bags
406-112-75	Hydrant Flushing	West Channel	10/12/2011	8	9,488	1,707,840	0.04	8.0	6	De-chlor,diffuser, gravel bags
406-114-75	Hydrant Flushing	West Channel	10/12/2011	11	13,046	1,707,840	0.02	8.0	6	De-chlor,diffuser, gravel bags
454-109-75	Hydrant Flushing	Calabazas Creek	10/12/2011	10	14,430	2,077,920	0.02	8.0	12	De-chlor,diffuser, gravel bags
407-107-75	Hydrant Flushing	West Channel	10/13/2011	6	7,260	1,742,400	0	8.1	17	De-chlor,diffuser, gravel bags
407-105-74	Hydrant Flushing	West Channel	10/13/2011	6	7,260	1,742,400	0	7.8	0	De-chlor,diffuser, gravel bags
407-107-75	Hydrant Flushing	West Channel	10/13/2011	6	7,260	1,742,400	0	8.1	17	De-chlor,diffuser, gravel bags
407-105-74	Hydrant Flushing	West Channel	10/13/2011	6	7,260	1,742,400	0	7.8	0	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
406-404-75	Hydrant Flushing	West Channel	10/13/2011	7	8,302	1,707,840	0.02	8.0	3	De-chlor,diffuser, gravel bags
407-102-75	Hydrant Flushing	West Channel	10/13/2011	7	8,302	1,707,840	0.01	7.8	0	De-chlor,diffuser, gravel bags
406-404-75	Hydrant Flushing	West Channel	10/13/2011	7	8,302	1,707,840	0.02	8.0	3	De-chlor,diffuser, gravel bags
407-102-75	Hydrant Flushing	West Channel	10/13/2011	7	8,302	1,707,840	0.01	7.8	0	De-chlor,diffuser, gravel bags
407-101-75	Hydrant Flushing	West Channel	10/13/2011	7	8,470	1,742,400	0.03	7.9	2	De-chlor,diffuser, gravel bags
407-104-74	Hydrant Flushing	West Channel	10/13/2011	7	8,470	1,742,400	0.01	7.6	12	De-chlor,diffuser, gravel bags
407-101-75	Hydrant Flushing	West Channel	10/13/2011	7	8,470	1,742,400	0.03	7.9	2	De-chlor,diffuser, gravel bags
407-104-74	Hydrant Flushing	West Channel	10/13/2011	7	8,470	1,742,400	0.01	7.6	12	De-chlor,diffuser, gravel bags
409-102-75	Hydrant Flushing	East Channel	10/13/2011	8	8,696	1,565,280	0	7.5	8	De-chlor,diffuser, gravel bags
408-111-75	Hydrant Flushing	West Channel	10/13/2011	7	8,946	1,840,320	0.03	7.6	0	De-chlor,diffuser, gravel bags
407-103-75	Hydrant Flushing	West Channel	10/13/2011	8	9,680	1,742,400	0	7.8	0	De-chlor,diffuser, gravel bags
407-103-75	Hydrant Flushing	West Channel	10/13/2011	8	9,680	1,742,400	0	7.8	0	De-chlor,diffuser, gravel bags
407-106-74	Hydrant Flushing	West Channel	10/13/2011	8	9,864	1,775,520	0.01	7.7	3	De-chlor,diffuser, gravel bags
407-106-74	Hydrant Flushing	West Channel	10/13/2011	8	9,864	1,775,520	0.01	7.7	3	De-chlor,diffuser, gravel bags
409-103-74	Hydrant Flushing	East Channel	10/13/2011	8	10,224	1,840,320	0	7.8	0	De-chlor,diffuser, gravel bags
409-101-75	Hydrant Flushing	East Channel	10/13/2011	9	10,242	1,638,720	0.02	7.4	0	De-chlor,diffuser, gravel bags
408-106-75	Hydrant Flushing	West Channel	10/13/2011	8	10,560	1,900,800	0.03	7.8	6	De-chlor,diffuser, gravel bags
408-106-75	Hydrant Flushing	West Channel	10/13/2011	8	10,560	1,900,800	0.03	7.8	6	De-chlor,diffuser, gravel bags
406-119-75	Hydrant Flushing	West Channel	10/13/2011	9	10,674	1,707,840	0	8.1	0	De-chlor,diffuser, gravel bags
406-119-75	Hydrant Flushing	West Channel	10/13/2011	9	10,674	1,707,840	0	8.1	0	De-chlor,diffuser, gravel bags
408-102-74	Hydrant Flushing	West Channel	10/13/2011	9	11,295	1,807,200	0.02	7.0	0	De-chlor,diffuser, gravel bags
408-102-74	Hydrant Flushing	West Channel	10/13/2011	9	11,295	1,807,200	0.02	7.0	0	De-chlor,diffuser, gravel bags
409-104-74	Hydrant Flushing	East Channel	10/13/2011	9	11,700	1,872,000	0.02	7.6	0	De-chlor,diffuser, gravel bags
408-107-75	Hydrant Flushing	West Channel	10/13/2011	7	92,110	1,900,800	0.01	7.7	12	De-chlor,diffuser, gravel bags
408-107-75	Hydrant Flushing	West Channel	10/13/2011	7	92,110	1,900,800	0.01	7.7	12	De-chlor,diffuser, gravel bags
410-104-75	Hydrant Flushing	East Channel	10/17/2011	6	7,398	1,775,520	0.01	7.6	7	De-chlor,diffuser, gravel bags
409-106-74	Hydrant Flushing	East Channel	10/17/2011	6	7,668	1,840,320	0.03	7.5	3	De-chlor,diffuser, gravel bags
410-108-74	Hydrant Flushing	East Channel	10/17/2011	7	9,394	1,932,480	0.01	7.6	0	De-chlor,diffuser, gravel bags
409-110-75	Hydrant Flushing	East Channel	10/17/2011	8	9,488	1,707,840	0	7.5	2	De-chlor,diffuser, gravel bags
409-107-74	Hydrant Flushing	East Channel	10/17/2011	8	10,224	1,840,320	0.03	7.4	0	De-chlor,diffuser, gravel bags
410-107-74	Hydrant Flushing	East Channel	10/17/2011	8	10,736	1,932,480	0	7.8	0	De-chlor,diffuser, gravel bags
410-106-74	Hydrant Flushing	East Channel	10/17/2011	8	10,736	1,932,480	0.01	7.4	3	De-chlor,diffuser, gravel bags
410-105-74	Hydrant Flushing	East Channel	10/17/2011	8	10,904	1,962,720	0	7.5	3	De-chlor,diffuser, gravel bags
409-105-74	Hydrant Flushing	East Channel	10/17/2011	9	11,502	1,840,320	0.05	7.4	0	De-chlor,diffuser, gravel bags
409-108-74	Hydrant Flushing	East Channel	10/17/2011	9	11,502	1,840,320	0.01	7.5	2	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
410-109-74	Hydrant Flushing	East Channel	10/17/2011	9	11,502	1,840,320	0.02	7.6	8	De-chlor,diffuser, gravel bags
410-103-75	Hydrant Flushing	East Channel	10/17/2011	9	11,502	1,840,320	0.02	7.5	2	De-chlor,diffuser, gravel bags
410-102-74	Hydrant Flushing	East Channel	10/17/2011	9	11,502	1,840,320	0.03	7.4	0	De-chlor,diffuser, gravel bags
410-101-74	Hydrant Flushing	East Channel	10/17/2011	9	11,502	1,840,320	0.02	7.6	0	De-chlor,diffuser, gravel bags
409-109-75	Hydrant Flushing	East Channel	10/17/2011	9	11,700	1,872,000	0.04	7.5	17	De-chlor,diffuser, gravel bags
352-102-75	Hydrant Flushing	East Channel	10/17/2011	10	12,100	1,742,400	0.01	7.5	2	De-chlor,diffuser, gravel bags
371-104-74	Hydrant Flushing	East Channel	10/19/2011	3	3,834	1,840,320	0	7.5	0	De-chlor,diffuser, gravel bags
371-103-75	Hydrant Flushing	East Channel	10/19/2011	6	7,530	1,807,200	0.02	7.7	2	De-chlor,diffuser, gravel bags
373-101-75	Hydrant Flushing	Calabazas Creek	10/19/2011	6	8,052	1,932,480	0.03	7.5	3	De-chlor,diffuser, gravel bags
373-106-75	Hydrant Flushing	Calabazas Creek	10/19/2011	7	8,470	1,742,400	0	7.5	2	De-chlor,diffuser, gravel bags
371-101-75	Hydrant Flushing	East Channel	10/19/2011	7	8,946	1,840,320	0.03	7.5	0	De-chlor,diffuser, gravel bags
373-107-75	Hydrant Flushing	Calabazas Creek	10/19/2011	7	9,240	1,900,800	0.02	7.6	1	De-chlor,diffuser, gravel bags
373-105-75	Hydrant Flushing	Calabazas Creek	10/19/2011	7	9,541	1,962,720	0.01	7.6	0	De-chlor,diffuser, gravel bags
373-103-75	Hydrant Flushing	Calabazas Creek	10/19/2011	7	9,541	1,962,720	0.02	7.6	10	De-chlor,diffuser, gravel bags
365-105-74	Hydrant Flushing	West Channel	10/19/2011	7	9,828	2,021,760	0.01	7.5	14	De-chlor,diffuser, gravel bags
371-109-74	Hydrant Flushing	East Channel	10/19/2011	8	10,040	1,807,200	0.01	7.6	1	De-chlor,diffuser, gravel bags
372-103-75	Hydrant Flushing	Calabazas Creek	10/19/2011	8	10,224	1,840,320	0.01	7.6	3	De-chlor,diffuser, gravel bags
373-102-75	Hydrant Flushing	Calabazas Creek	10/19/2011	8	10,736	1,932,480	0.01	7.5	3	De-chlor,diffuser, gravel bags
372-101-75	Hydrant Flushing	Calabazas Creek	10/19/2011	9	11,502	1,840,320	0.01	7.2	3	De-chlor,diffuser, gravel bags
373-104-75	Hydrant Flushing	Calabazas Creek	10/19/2011	9	12,267	1,962,720	0.02	7.7	0	De-chlor,diffuser, gravel bags
365-110-74	Hydrant Flushing	West Channel	10/19/2011	9	12,456	1,992,960	0.02	7.5	0	De-chlor,diffuser, gravel bags
371-102-75	Hydrant Flushing	East Channel	10/19/2011	10	12,780	1,840,320	0	7.5	0	De-chlor,diffuser, gravel bags
368-107-74	Hydrant Flushing	East Channel	10/25/2011	5	4,450	1,281,600	0.01	7.5	19	De-chlor,diffuser, gravel bags
368-105-75	Hydrant Flushing	East Channel	10/25/2011	9	8,010	1,281,600	0.03	7.6	0	De-chlor,diffuser, gravel bags
368-106-75	Hydrant Flushing	East Channel	10/25/2011	9	8,010	1,281,600	0	7.5	16	De-chlor,diffuser, gravel bags
389-108-75	Hydrant Flushing	Calabazas Creek	10/25/2011	6	8,178	1,962,720	0.01	7.9	0	De-chlor,diffuser, gravel bags
404-105-75	Hydrant Flushing	West Channel	10/25/2011	6	8,658	2,077,920	0	7.5	0	De-chlor,diffuser, gravel bags
367-106-75	Hydrant Flushing	West Channel	10/25/2011	6	8,778	2,106,720	0.04	7.6	14	De-chlor,diffuser, gravel bags
367-101-75	Hydrant Flushing	West Channel	10/25/2011	6	8,778	2,106,720	0	7.6	0	De-chlor,diffuser, gravel bags
404-102-75	Hydrant Flushing	West Channel	10/25/2011	6	8,892	2,134,080	0.01	7.5	0	De-chlor,diffuser, gravel bags
389-104-75	Hydrant Flushing	East Channel	10/25/2011	7	9,100	1,872,000	0	7.9	0	De-chlor,diffuser, gravel bags
389-107-75	Hydrant Flushing	Calabazas Creek	10/25/2011	7	9,541	1,962,720	0	7.8	0	De-chlor,diffuser, gravel bags
404-103-75	Hydrant Flushing	West Channel	10/25/2011	7	10,374	2,134,080	0.02	7.6	0	De-chlor,diffuser, gravel bags
389-105-75	Hydrant Flushing	East Channel	10/25/2011	8	10,400	1,872,000	0.02	8.0	0	De-chlor,diffuser, gravel bags
404-101-75	Hydrant Flushing	West Channel	10/25/2011	7	10,500	2,160,000	0.04	7.5	0	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
404-104-75	Hydrant Flushing	West Channel	10/25/2011	8	11,464	2,063,520	0.01	7.4	0	De-chlor,diffuser, gravel bags
385-106-75	Hydrant Flushing	Calabazas Creek	11/7/2011	5	6,710	1,932,480	0	7.8	11	De-chlor,diffuser, gravel bags
391-104-75	Hydrant Flushing	East Channel	11/7/2011	7	6,860	1,411,200	0	7.6	13	De-chlor,diffuser, gravel bags
389-111-75	Hydrant Flushing	Calabazas Creek	11/7/2011	6	7,800	1,872,000	0.03	7.8	0	De-chlor,diffuser, gravel bags
411-107-74	Hydrant Flushing	East Channel	11/7/2011	6	7,800	1,872,000	0.02	7.7	5	De-chlor,diffuser, gravel bags
385-107-75	Hydrant Flushing	Calabazas Creek	11/7/2011	6	8,052	1,932,480	0	6.8	25	De-chlor,diffuser, gravel bags
411-110-74	Hydrant Flushing	East Channel	11/7/2011	7	9,240	1,900,800	0.02	8.1	0	De-chlor,diffuser, gravel bags
411-106-74	Hydrant Flushing	East Channel	11/7/2011	7	9,240	1,900,800	0	7.8	0	De-chlor,diffuser, gravel bags
389-110-75	Hydrant Flushing	Calabazas Creek	11/7/2011	7	9,394	1,932,480	0	7.7	0	De-chlor,diffuser, gravel bags
411-103-75	Hydrant Flushing	East Channel	11/7/2011	8	9,864	1,775,520	0.01	7.6	0	De-chlor,diffuser, gravel bags
389-106-75	Hydrant Flushing	Calabazas Creek	11/7/2011	8	10,400	1,872,000	0	7.8	0	De-chlor,diffuser, gravel bags
411-102-74	Hydrant Flushing	East Channel	11/7/2011	8	10,560	1,900,800	0.01	7.8	0	De-chlor,diffuser, gravel bags
411-101-74	Hydrant Flushing	East Channel	11/7/2011	8	10,560	1,900,800	0	7.7	3	De-chlor,diffuser, gravel bags
385-105-75	Hydrant Flushing	Calabazas Creek	11/7/2011	8	10,736	1,932,480	0.03	7.7	0	De-chlor,diffuser, gravel bags
411-109-74	Hydrant Flushing	East Channel	11/7/2011	8	10,736	1,932,480	0.03	7.8	0	De-chlor,diffuser, gravel bags
388-107-74	Hydrant Flushing	Calabazas Creek	11/7/2011	8	11,072	1,992,960	0.03	7.4	0	De-chlor,diffuser, gravel bags
389-109-75	Hydrant Flushing	Calabazas Creek	11/7/2011	9	11,295	1,807,200	0	7.7	0	De-chlor,diffuser, gravel bags
385-108-75	Hydrant Flushing	Calabazas Creek	11/7/2011	8	12,267	1,962,720	0.03	7.3	6	De-chlor,diffuser, gravel bags
389-102-75	Hydrant Flushing	East Channel	11/7/2011	9	12,267	1,962,720	0.01	7.6	0	De-chlor,diffuser, gravel bags
389-101-75	Hydrant Flushing	East Channel	11/7/2011	9	12,267	1,962,720	0.02	7.7	0	De-chlor,diffuser, gravel bags
425-104-75	Hydrant Flushing	Calabazas Creek	11/8/2011	8	5,680	1,022,400	0.02	8.3	0	De-chlor,diffuser, gravel bags
424-102-75	Hydrant Flushing	Calabazas Creek	11/8/2011	5	7,020	2,021,760	0	8.1	8	De-chlor,diffuser, gravel bags
425-102-74	Hydrant Flushing	Calabazas Creek	11/8/2011	5	7,215	2,077,920	0.03	8.0	0	De-chlor,diffuser, gravel bags
424-103-75	Hydrant Flushing	Calabazas Creek	11/8/2011	6	8,424	2,021,760	0.01	8.4	8	De-chlor,diffuser, gravel bags
426-104-75	Hydrant Flushing	Calabazas Creek	11/8/2011	7	9,968	2,050,560	0.05	8.0	0	De-chlor,diffuser, gravel bags
426-102-75	Hydrant Flushing	Calabazas Creek	11/8/2011	7	10,101	2,077,920	0.03	7.7	24	De-chlor,diffuser, gravel bags
425-101-74	Hydrant Flushing	Calabazas Creek	11/8/2011	7	10,101	2,077,920	0.01	8.1	0	De-chlor,diffuser, gravel bags
424-107-75	Hydrant Flushing	Calabazas Creek	11/8/2011	7	10,101	2,077,920	0	8.1	0	De-chlor,diffuser, gravel bags
426-107-75	Hydrant Flushing	Calabazas Creek	11/8/2011	8	10,736	1,932,480	0.02	7.8	6	De-chlor,diffuser, gravel bags
424-104-75	Hydrant Flushing	Calabazas Creek	11/8/2011	8	11,232	2,021,760	0.01	8.0	11	De-chlor,diffuser, gravel bags
424-105-75	Hydrant Flushing	Calabazas Creek	11/8/2011	8	11,392	2,050,560	0.02	8.0	0	De-chlor,diffuser, gravel bags
425-103-74	Hydrant Flushing	Calabazas Creek	11/8/2011	8	11,544	2,077,920	0.03	8.0	0	De-chlor,diffuser, gravel bags
424-101-75	Hydrant Flushing	Calabazas Creek	11/8/2011	9	12,636	2,021,760	0.03	8.3	6	De-chlor,diffuser, gravel bags
426-106-75	Hydrant Flushing	Calabazas Creek	11/8/2011	9	12,987	2,077,920	0.05	8.1	2	De-chlor,diffuser, gravel bags
426-103-75	Hydrant Flushing	Calabazas Creek	11/8/2011	9	12,987	2,077,920	0	8.4	0	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
424-106-75	Hydrant Flushing	Calabazas Creek	11/8/2011	9	12,987	2,077,920	0.01	8.4	0	De-chlor,diffuser, gravel bags
426-105-75	Hydrant Flushing	Calabazas Creek	11/8/2011	13	18,759	2,077,920	0.02	8.1	18	De-chlor,diffuser, gravel bags
417-102-75	Hydrant Flushing	Calabazas Creek	11/9/2011	4	5,576	1,992,960	0.04	8.3	0	De-chlor,diffuser, gravel bags
417-103-75	Hydrant Flushing	Calabazas Creek	11/9/2011	6	8,304	1,992,960	0.01	8.1	0	De-chlor,diffuser, gravel bags
423-108-75	Hydrant Flushing	Calabazas Creek	11/9/2011	6	8,778	2,106,720	0.03	8.0	16	De-chlor,diffuser, gravel bags
423-109-75	Hydrant Flushing	Calabazas Creek	11/9/2011	6	8,778	2,106,720	0.01	8.1	12	De-chlor,diffuser, gravel bags
423-104-75	Hydrant Flushing	Calabazas Creek	11/9/2011	7	9,828	2,021,760	0.01	8.1	8	De-chlor,diffuser, gravel bags
423-102-74	Hydrant Flushing	Calabazas Creek	11/9/2011	7	10,101	2,077,920	0.03	8.0	16	De-chlor,diffuser, gravel bags
423-107-76	Hydrant Flushing	Calabazas Creek	11/9/2011	7	10,374	2,134,080	0.03	7.9	12	De-chlor,diffuser, gravel bags
417-105-75	Hydrant Flushing	Calabazas Creek	11/9/2011	8	11,072	1,992,960	0	8.4	0	De-chlor,diffuser, gravel bags
417-104-75	Hydrant Flushing	Calabazas Creek	11/9/2011	8	11,072	1,992,960	0.01	8.2	0	De-chlor,diffuser, gravel bags
417-101-75	Hydrant Flushing	Calabazas Creek	11/9/2011	8	11,072	1,992,960	0.03	8.0	0	De-chlor,diffuser, gravel bags
418-103-75	Hydrant Flushing	Calabazas Creek	11/9/2011	8	11,392	2,050,560	0.01	7.9	0	De-chlor,diffuser, gravel bags
417-111-75	Hydrant Flushing	Calabazas Creek	11/9/2011	8	11,544	2,077,920	0.01	8.1	0	De-chlor,diffuser, gravel bags
417-106-75	Hydrant Flushing	Calabazas Creek	11/9/2011	9	12,456	1,992,960	0.02	8.0	0	De-chlor,diffuser, gravel bags
418-102-75	Hydrant Flushing	Calabazas Creek	11/9/2011	9	12,816	2,050,560	0	7.8	0	De-chlor,diffuser, gravel bags
423-103-74	Hydrant Flushing	Calabazas Creek	11/9/2011	9	12,987	2,077,920	0.01	8.1	26	De-chlor,diffuser, gravel bags
423-101-74	Hydrant Flushing	Calabazas Creek	11/9/2011	9	12,987	2,077,920	0.04	8.1	12	De-chlor,diffuser, gravel bags
417-113-75	Hydrant Flushing	Calabazas Creek	11/9/2011	9	12,987	2,077,920	0.01	8.1	0	De-chlor,diffuser, gravel bags
417-109-75	Hydrant Flushing	Calabazas Creek	11/9/2011	9	12,987	2,077,920	0.02	8.0	0	De-chlor,diffuser, gravel bags
417-108-75	Hydrant Flushing	Calabazas Creek	11/9/2011	9	12,987	2,077,920	0.03	8.1	0	De-chlor,diffuser, gravel bags
418-101-75	Hydrant Flushing	Calabazas Creek	11/9/2011	10	14,240	2,050,560	0.03	8.0	0	De-chlor,diffuser, gravel bags
423-105-75	Hydrant Flushing	Calabazas Creek	11/9/2011	10	14,820	2,134,080	0.02	8.0	6	De-chlor,diffuser, gravel bags
423-106-75	Hydrant Flushing	Calabazas Creek	11/9/2011	11	15,873	2,077,920	0	8.0	13	De-chlor,diffuser, gravel bags
418-104-75	Hydrant Flushing	Calabazas Creek	11/9/2011	11	15,873	2,077,920	0.03	8.0	0	De-chlor,diffuser, gravel bags
413-101-75	Hydrant Flushing	Calabazas Creek	11/10/2011	5	6,815	1,962,720	0.03	7.8	8	De-chlor,diffuser, gravel bags
427-107-74	Hydrant Flushing	Calabazas Creek	11/10/2011	5	7,020	2,021,760	0	8.1	7	De-chlor,diffuser, gravel bags
428-103-76	Hydrant Flushing	Calabazas Creek	11/10/2011	5	7,021	2,021,760	0.02	8.4	0	De-chlor,diffuser, gravel bags
427-108-74	Hydrant Flushing	Calabazas Creek	11/10/2011	6	8,424	2,021,760	0.02	8.2	3	De-chlor,diffuser, gravel bags
417-107-75	Hydrant Flushing	Calabazas Creek	11/10/2011	6	8,658	2,077,920	0.01	7.9	6	De-chlor,diffuser, gravel bags
411-105-75	Hydrant Flushing	Calabazas Creek	11/10/2011	7	9,541	1,968,480	0.02	7.8	12	De-chlor,diffuser, gravel bags
428-102-74	Hydrant Flushing	Calabazas Creek	11/10/2011	7	9,828	2,021,760	0.01	8.3	8	De-chlor,diffuser, gravel bags
417-112-75	Hydrant Flushing	Calabazas Creek	11/10/2011	7	9,968	2,050,560	0.01	8.0	0	De-chlor,diffuser, gravel bags
411-104-74	Hydrant Flushing	Calabazas Creek	11/10/2011	8	10,904	1,962,720	0.01	7.7	16	De-chlor,diffuser, gravel bags
416-101-75	Hydrant Flushing	Calabazas Creek	11/10/2011	8	10,904	1,962,720	0.01	7.7	11	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
416-102-75	Hydrant Flushing	Calabazas Creek	11/10/2011	8	10,904	1,962,720	0	7.8	0	De-chlor,diffuser, gravel bags
416-103-74	Hydrant Flushing	Calabazas Creek	11/10/2011	8	10,904	1,962,720	0.03	7.8	0	De-chlor,diffuser, gravel bags
427-106-75	Hydrant Flushing	Calabazas Creek	11/10/2011	8	11,232	2,021,760	0.03	8.2	9	De-chlor,diffuser, gravel bags
428-101-75	Hydrant Flushing	Calabazas Creek	11/10/2011	8	11,232	2,021,760	0.03	8.1	6	De-chlor,diffuser, gravel bags
417-114-75	Hydrant Flushing	Calabazas Creek	11/10/2011	8	11,392	2,050,560	0	7.9	3	De-chlor,diffuser, gravel bags
427-105-74	Hydrant Flushing	Calabazas Creek	11/10/2011	9	12,456	1,992,960	0.02	7.7	0	De-chlor,diffuser, gravel bags
417-110-75	Hydrant Flushing	Calabazas Creek	11/10/2011	9	12,816	2,050,560	0	8.0	12	De-chlor,diffuser, gravel bags
417-107-75	Hydrant Flushing	Calabazas Creek	11/10/2011	10	14,430	2,077,920	0.03	7.9	3	De-chlor,diffuser, gravel bags
430-102-74	Hydrant Flushing	East Channel	11/14/2011	4	5,536	1,992,960	0.04	8.0	0	De-chlor,diffuser, gravel bags
429-109-75	Hydrant Flushing	East Channel	11/14/2011	5	7,020	2,021,760	0.03	8.0	0	De-chlor,diffuser, gravel bags
429-110-75	Hydrant Flushing	East Channel	11/14/2011	6	8,178	1,962,720	0.01	7.8	0	De-chlor,diffuser, gravel bags
429-112-75	Hydrant Flushing	East Channel	11/14/2011	6	8,178	1,962,720	0.02	8.0	0	De-chlor,diffuser, gravel bags
430-101-75	Hydrant Flushing	East Channel	11/14/2011	6	8,304	1,992,960	0.01	7.9	0	De-chlor,diffuser, gravel bags
430-109-74	Hydrant Flushing	East Channel	11/14/2011	6	8,424	2,021,760	0.01	7.9	0	De-chlor,diffuser, gravel bags
429-106-75	Hydrant Flushing	East Channel	11/14/2011	7	9,541	1,818,720	0.05	7.8	0	De-chlor,diffuser, gravel bags
430-104-75	Hydrant Flushing	East Channel	11/14/2011	7	9,688	1,992,960	0.02	7.9	0	De-chlor,diffuser, gravel bags
430-108-75	Hydrant Flushing	East Channel	11/14/2011	7	9,688	1,992,960	0	8.0	0	De-chlor,diffuser, gravel bags
429-108-75	Hydrant Flushing	East Channel	11/14/2011	7	9,828	2,021,760	0.02	8.0	3	De-chlor,diffuser, gravel bags
429-113-75	Hydrant Flushing	East Channel	11/14/2011	7	9,828	2,021,760	0.02	7.8	3	De-chlor,diffuser, gravel bags
428-104-74	Hydrant Flushing	Calabazas Creek	11/14/2011	8	10,736	1,932,480	0.02	8.1	3	De-chlor,diffuser, gravel bags
428-105-74	Hydrant Flushing	Calabazas Creek	11/14/2011	8	10,736	1,932,480	0.01	8.4	4	De-chlor,diffuser, gravel bags
429-105-75	Hydrant Flushing	East Channel	11/14/2011	8	10,904	1,962,720	0.05	7.8	0	De-chlor,diffuser, gravel bags
429-103-75	Hydrant Flushing	East Channel	11/14/2011	8	11,072	1,992,960	0.03	7.9	6	De-chlor,diffuser, gravel bags
430-105-75	Hydrant Flushing	East Channel	11/14/2011	8	11,072	1,992,960	0.03	8.1	0	De-chlor,diffuser, gravel bags
430-101-74	Hydrant Flushing	East Channel	11/14/2011	8	11,072	1,992,960	0.05	8.0	0	De-chlor,diffuser, gravel bags
429-107-75	Hydrant Flushing	East Channel	11/14/2011	8	11,232	2,021,760	0.03	8.3	23	De-chlor,diffuser, gravel bags
429-101-75	Hydrant Flushing	East Channel	11/14/2011	8	11,232	2,021,760	0.05	8.0	0	De-chlor,diffuser, gravel bags
430-107-74	Hydrant Flushing	East Channel	11/14/2011	9	12,267	1,962,720	0.01	8.0	0	De-chlor,diffuser, gravel bags
429-111-75	Hydrant Flushing	East Channel	11/14/2011	9	12,456	1,992,960	0.04	7.9	12	De-chlor,diffuser, gravel bags
429-104-75	Hydrant Flushing	East Channel	11/14/2011	9	12,456	1,992,960	0	8.0	0	De-chlor,diffuser, gravel bags
429-102-76	Hydrant Flushing	East Channel	11/14/2011	9	12,676	2,021,760	0.02	7.9	9	De-chlor,diffuser, gravel bags
446-107-75	Hydrant Flushing	West Channel	11/15/2011	5	6,275	1,807,200	0.04	7.6	6	De-chlor,diffuser, gravel bags
396-102-75	Hydrant Flushing	West Channel	11/15/2011	6	6,972	1,673,280	0.02	8.2	1	De-chlor,diffuser, gravel bags
390-107-75	Hydrant Flushing	West Channel	11/15/2011	6	7,260	1,742,400	0.03	7.6	0	De-chlor,diffuser, gravel bags
393-109-75	Hydrant Flushing	East Channel	11/15/2011	8	7,360	1,324,800	0.02	7.6	9	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
393-102-75	Hydrant Flushing	East Channel	11/15/2011	6	7,668	1,840,320	0.02	7.8	0	De-chlor,diffuser, gravel bags
389-103-75	Hydrant Flushing	East Channel	11/15/2011	7	8,134	1,673,280	0.01	7.7	0	De-chlor,diffuser, gravel bags
390-102-75	Hydrant Flushing	East Channel	11/15/2011	7	8,302	1,707,840	0.01	7.7	0	De-chlor,diffuser, gravel bags
393-101-75	Hydrant Flushing	East Channel	11/15/2011	7	8,946	1,840,320	0.01	7.7	3	De-chlor,diffuser, gravel bags
393-103-75	Hydrant Flushing	East Channel	11/15/2011	7	8,946	1,840,320	0.02	7.7	3	De-chlor,diffuser, gravel bags
393-105-75	Hydrant Flushing	East Channel	11/15/2011	9	11,502	1,840,320	0.01	6.7	6	De-chlor,diffuser, gravel bags
393-107-75	Hydrant Flushing	West Channel	11/15/2011	9	11,502	1,840,320	0.01	7.5	7	De-chlor,diffuser, gravel bags
393-104-75	Hydrant Flushing	East Channel	11/15/2011	11	14,058	1,840,320	0.05	7.6	20	De-chlor,diffuser, gravel bags
431-101-74	Hydrant Flushing	West Channel	11/21/2011	6	8,304	1,992,960	0.01	7.5	0	De-chlor,diffuser, gravel bags
431-111-74	Hydrant Flushing	East Channel	11/21/2011	6	8,304	1,992,960	0	7.6	0	De-chlor,diffuser, gravel bags
431-104-75	Hydrant Flushing	East Channel	11/21/2011	7	8,470	1,742,400	0	7.8	0	De-chlor,diffuser, gravel bags
431-109-74	Hydrant Flushing	East Channel	11/21/2011	6	8,544	2,050,560	0.05	7.7	0	De-chlor,diffuser, gravel bags
394-107-75	Hydrant Flushing	West Channel	11/21/2011	6	8,778	2,106,720	0	7.9	2	De-chlor,diffuser, gravel bags
431-103-74	Hydrant Flushing	East Channel	11/21/2011	7	9,541	1,962,720	0.02	7.5	0	De-chlor,diffuser, gravel bags
431-106-74	Hydrant Flushing	East Channel	11/21/2011	7	10,094	2,076,480	0	7.5	0	De-chlor,diffuser, gravel bags
395-102-75	Hydrant Flushing	West Channel	11/21/2011	7	10,241	2,106,720	0.04	7.7	7	De-chlor,diffuser, gravel bags
396-106-75	Hydrant Flushing	West Channel	11/21/2011	7	10,241	2,106,720	0.03	7.8	6	De-chlor,diffuser, gravel bags
431-107-75	Hydrant Flushing	East Channel	11/21/2011	8	10,736	1,932,480	0.01	7.5	0	De-chlor,diffuser, gravel bags
431-108-74	Hydrant Flushing	East Channel	11/21/2011	8	10,736	1,932,480	0	7.6	0	De-chlor,diffuser, gravel bags
396-108-75	Hydrant Flushing	West Channel	11/21/2011	8	11,392	2,050,560	0.02	7.5	4	De-chlor,diffuser, gravel bags
396-103-75	Hydrant Flushing	West Channel	11/21/2011	8	11,544	2,077,920	0.03	7.8	12	De-chlor,diffuser, gravel bags
396-101-75	Hydrant Flushing	West Channel	11/21/2011	8	11,704	2,106,720	0.01	7.4	4	De-chlor,diffuser, gravel bags
396-104-75	Hydrant Flushing	West Channel	11/21/2011	8	11,704	2,106,720	0.02	7.6	0	De-chlor,diffuser, gravel bags
431-110-75	Hydrant Flushing	East Channel	11/21/2011	9	11,880	1,900,800	0.03	7.7	9	De-chlor,diffuser, gravel bags
431-102-74	Hydrant Flushing	East Channel	11/21/2011	9	12,816	2,050,560	0.04	7.8	0	De-chlor,diffuser, gravel bags
431-105-74	Hydrant Flushing	East Channel	11/21/2011	9	12,816	2,050,560	0.01	7.6	0	De-chlor,diffuser, gravel bags
394-108-75	Hydrant Flushing	West Channel	11/21/2011	9	13,167	2,106,720	0.01	7.7	6	De-chlor,diffuser, gravel bags
395-101-76	Hydrant Flushing	West Channel	11/21/2011	9	13,167	2,106,720	0.01	7.6	0	De-chlor,diffuser, gravel bags
395-104-75	Hydrant Flushing	West Channel	11/21/2011	9	13,167	2,106,720	0.03	7.8	12	De-chlor,diffuser, gravel bags
395-105-74	Hydrant Flushing	West Channel	11/21/2011	11	16,093	2,106,720	0.02	7.6	6	De-chlor,diffuser, gravel bags
406-103-75	Hydrant Flushing	West Channel	11/28/2011	5	5,930	1,707,840	0.04	7.8	3	De-chlor,diffuser, gravel bags
432-102-74	Hydrant Flushing	West Channel	11/28/2011	6	7,920	1,900,800	0.05	8.1	21	De-chlor,diffuser, gravel bags
432-111-74	Hydrant Flushing	West Channel	11/28/2011	6	7,920	1,900,800	0.02	7.6	0	De-chlor,diffuser, gravel bags
430-106-75	Hydrant Flushing	West Channel	11/28/2011	6	8,304	1,992,960	0.01	7.7	3	De-chlor,diffuser, gravel bags
432-108-75	Hydrant Flushing	West Channel	11/28/2011	7	8,470	1,742,400	0.01	7.9	0	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
432-107-74	Hydrant Flushing	West Channel	11/28/2011	7	9,240	1,900,800	0	7.7	0	De-chlor,diffuser, gravel bags
432-103-74	Hydrant Flushing	West Channel	11/28/2011	7	9,394	1,932,480	0.01	8.1	12	De-chlor,diffuser, gravel bags
406-117-75	Hydrant Flushing	West Channel	11/28/2011	8	9,488	1,707,840	0.01	7.8	0	De-chlor,diffuser, gravel bags
430-103-75	Hydrant Flushing	West Channel	11/28/2011	7	9,688	1,992,960	0.05	7.8	1	De-chlor,diffuser, gravel bags
432-104-75	Hydrant Flushing	West Channel	11/28/2011	8	10,736	1,932,480	0.03	7.7	6	De-chlor,diffuser, gravel bags
432-102-75	Hydrant Flushing	West Channel	11/28/2011	8	10,736	1,932,480	0.05	8.0	0	De-chlor,diffuser, gravel bags
408-101-75	Hydrant Flushing	West Channel	11/28/2011	8	11,072	1,992,960	0	7.6	0	De-chlor,diffuser, gravel bags
430-110-75	Hydrant Flushing	West Channel	11/28/2011	8	11,072	1,992,960	0.04	7.7	6	De-chlor,diffuser, gravel bags
432-106-74	Hydrant Flushing	West Channel	11/28/2011	11	11,072	1,992,960	0.04	7.8	13	De-chlor,diffuser, gravel bags
432-101-75	Hydrant Flushing	West Channel	11/28/2011	9	11,880	1,900,800	0.03	8.1	17	De-chlor,diffuser, gravel bags
432-110-74	Hydrant Flushing	West Channel	11/28/2011	9	11,880	1,900,800	0.01	7.4	0	De-chlor,diffuser, gravel bags
432-105-74	Hydrant Flushing	West Channel	11/28/2011	10	13,840	1,992,960	0.01	7.7	3	De-chlor,diffuser, gravel bags
432-109-74	Hydrant Flushing	West Channel	11/28/2011	11	14,520	1,900,800	0.02	7.6	1	De-chlor,diffuser, gravel bags
408-105-76	Hydrant Flushing	West Channel	11/29/2011	5	6,500	1,872,000	0.03	7.4	0	De-chlor,diffuser, gravel bags
412-105-75	Hydrant Flushing	East Channel	11/29/2011	5	6,920	1,992,960	0.04	7.8	0	De-chlor,diffuser, gravel bags
411-108-75	Hydrant Flushing	West Channel	11/29/2011	6	8,178	1,962,720	0.02	7.7	2	De-chlor,diffuser, gravel bags
414-101-75	Hydrant Flushing	Calabazas Creek	11/29/2011	6	8,238	1,977,120	0.01	7.8	1	De-chlor,diffuser, gravel bags
427-102-75	Hydrant Flushing	Calabazas Creek	11/29/2011	6	8,304	1,992,960	0.01	7.8	0	De-chlor,diffuser, gravel bags
412-101-74	Hydrant Flushing	East Channel	11/29/2011	6	8,892	2,134,080	0.02	7.6	7	De-chlor,diffuser, gravel bags
408-109-76	Hydrant Flushing	West Channel	11/29/2011	7	9,100	1,872,000	0.01	7.5	3	De-chlor,diffuser, gravel bags
408-108-75	Hydrant Flushing	West Channel	11/29/2011	7	9,100	1,872,000	0.03	7.6	7	De-chlor,diffuser, gravel bags
408-110-75	Hydrant Flushing	West Channel	11/29/2011	7	9,100	1,872,000	0	7.5	0	De-chlor,diffuser, gravel bags
408-104-75	Hydrant Flushing	West Channel	11/29/2011	7	9,100	1,872,000	0.01	7.4	6	De-chlor,diffuser, gravel bags
427-103-74	Hydrant Flushing	Calabazas Creek	11/29/2011	7	9,968	2,050,560	0.02	7.6	0	De-chlor,diffuser, gravel bags
405-102-75	Hydrant Flushing	West Channel	11/29/2011	7	10,500	2,160,000	0.01	7.6	11	De-chlor,diffuser, gravel bags
414-102-75	Hydrant Flushing	Calabazas Creek	11/29/2011	8	10,984	1,977,120	0.02	7.7	0	De-chlor,diffuser, gravel bags
412-103-75	Hydrant Flushing	East Channel	11/29/2011	8	11,072	1,992,960	0	7.7	0	De-chlor,diffuser, gravel bags
427-104-74	Hydrant Flushing	Calabazas Creek	11/29/2011	8	11,392	2,050,560	0.03	7.5	1	De-chlor,diffuser, gravel bags
408-103-75	Hydrant Flushing	West Channel	11/29/2011	9	11,700	1,872,000	0.01	7.3	0	De-chlor,diffuser, gravel bags
412-102-74	Hydrant Flushing	East Channel	11/29/2011	8	11,856	2,134,080	0.04	7.7	3	De-chlor,diffuser, gravel bags
414-103-75	Hydrant Flushing	Calabazas Creek	11/29/2011	9	12,357	1,977,120	0.03	7.8	0	De-chlor,diffuser, gravel bags
427-101-74	Hydrant Flushing	Calabazas Creek	11/29/2011	9	12,456	1,992,960	0.05	7.8	0	De-chlor,diffuser, gravel bags
412-104-75	Hydrant Flushing	East Channel	11/29/2011	11	15,224	1,992,960	0.02	7.8	0	De-chlor,diffuser, gravel bags
416-105-75	Hydrant Flushing	Calabazas Creek	12/1/2011	6	8,544	2,050,560	0.00	7.7	6	De-chlor,diffuser, gravel bags
416-107-75	Hydrant Flushing	Calabazas Creek	12/1/2011	7	9,968	2,050,560	0.05	7.7	2	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
416-109-75	Hydrant Flushing	Calabazas Creek	12/1/2011	7	9,968	2,050,560	0.03	7.8	3	De-chlor,diffuser, gravel bags
426-101-76	Hydrant Flushing	Calabazas Creek	12/1/2011	7	9,968	2,050,560	0.01	7.7	0	De-chlor,diffuser, gravel bags
425-106-75	Hydrant Flushing	Calabazas Creek	12/1/2011	7	10,101	2,077,920	0.02	8.2	1	De-chlor,diffuser, gravel bags
416-104-75	Hydrant Flushing	Calabazas Creek	12/1/2011	8	11,392	2,050,560	0.02	7.6	0	De-chlor,diffuser, gravel bags
416-106-75	Hydrant Flushing	Calabazas Creek	12/1/2011	8	11,392	2,050,560	0.03	7.8	12	De-chlor,diffuser, gravel bags
416-108-75	Hydrant Flushing	Calabazas Creek	12/1/2011	9	12,816	2,050,560	0.04	7.9	0	De-chlor,diffuser, gravel bags
424-110-75	Hydrant Flushing	Calabazas Creek	12/1/2011	9	12,987	2,077,920	0.01	8.1	0	De-chlor,diffuser, gravel bags
425-105-75	Hydrant Flushing	Calabazas Creek	12/1/2011	9	12,987	2,077,920	0.00	8.3	2	De-chlor,diffuser, gravel bags
424-112-75	Hydrant Flushing	Calabazas Creek	12/1/2011	9	13,167	2,106,720	0.04	8.0	6	De-chlor,diffuser, gravel bags
424-111-75	Hydrant Flushing	Calabazas Creek	12/1/2011	10	14,430	2,077,920	0.03	8.2	23	De-chlor,diffuser, gravel bags
425-107-75	Hydrant Flushing	Calabazas Creek	12/1/2011	10	14,630	2,106,720	0.00	8.2	3	De-chlor,diffuser, gravel bags
433-107-75	Hydrant Flushing	East Channel	12/6/2011	8	10,400	1,872,000	0.03	8.2	3	De-chlor,diffuser, gravel bags
433-101-75	Hydrant Flushing	East Channel	12/6/2011	9	11,700	1,872,000	0.01	8.1	2	De-chlor,diffuser, gravel bags
433-110-75	Hydrant Flushing	East Channel	12/6/2011	9	11,700	1,872,000	0.02	8.0	1	De-chlor,diffuser, gravel bags
433-109-75	Hydrant Flushing	East Channel	12/6/2011	10	13,000	1,872,000	0.05	7.9	3	De-chlor,diffuser, gravel bags
448-107-75	Hydrant Flushing	East Channel	12/7/2011	4	5,200	1,872,000	0.10	7.2	0	De-chlor,diffuser, gravel bags
436-103-75	Hydrant Flushing	Calabazas Creek	12/7/2011	5	6,390	1,840,320	0.04	8.0	6	De-chlor,diffuser, gravel bags
434-103-75	Hydrant Flushing	Calabazas Creek	12/7/2011	5	6,500	1,872,000	0.08	7.9	9	De-chlor,diffuser, gravel bags
445-102-75	Hydrant Flushing	West Channel	12/7/2011	5	6,500	1,872,000	0.05	7.7	18	De-chlor,diffuser, gravel bags
434-106-75	Hydrant Flushing	Calabazas Creek	12/7/2011	6	7,530	1,807,200	0.03	8.0	1	De-chlor,diffuser, gravel bags
436-101-75	Hydrant Flushing	Calabazas Creek	12/7/2011	6	7,530	1,807,200	0.12	8.2	3	De-chlor,diffuser, gravel bags
446-104-75	Hydrant Flushing	West Channel	12/7/2011	6	7,530	1,807,200	0.10	7.7	15	De-chlor,diffuser, gravel bags
434-107-75	Hydrant Flushing	Calabazas Creek	12/7/2011	6	7,668	1,840,320	0.07	7.2	1	De-chlor,diffuser, gravel bags
446-103-75	Hydrant Flushing	West Channel	12/7/2011	6	7,800	1,872,000	0.09	7.7	0	De-chlor,diffuser, gravel bags
434-101-75	Hydrant Flushing	Calabazas Creek	12/7/2011	7	8,785	1,807,200	0.00	8.0	1	De-chlor,diffuser, gravel bags
435-101-75	Hydrant Flushing	Calabazas Creek	12/7/2011	7	8,785	1,807,200	0.08	7.2	8	De-chlor,diffuser, gravel bags
434-104-75	Hydrant Flushing	Calabazas Creek	12/7/2011	7	8,946	1,840,320	0.06	7.9	0	De-chlor,diffuser, gravel bags
445-103-75	Hydrant Flushing	West Channel	12/7/2011	7	9,100	1,872,000	0.03	7.9	3	De-chlor,diffuser, gravel bags
448-108-75	Hydrant Flushing	East Channel	12/7/2011	7	9,100	1,872,000	0.09	7.9	2	De-chlor,diffuser, gravel bags
436-102-75	Hydrant Flushing	Calabazas Creek	12/7/2011	8	10,312	1,856,160	0.09	7.7	6	De-chlor,diffuser, gravel bags
434-102-75	Hydrant Flushing	Calabazas Creek	12/7/2011	8	10,400	1,872,000	0.02	7.8	0	De-chlor,diffuser, gravel bags
445-101-75	Hydrant Flushing	West Channel	12/7/2011	8	10,560	1,900,800	0.10	7.8	7	De-chlor,diffuser, gravel bags
434-108-75	Hydrant Flushing	Calabazas Creek	12/7/2011	9	11,295	1,807,200	0.11	7.7	10	De-chlor,diffuser, gravel bags
435-105-75	Hydrant Flushing	East Channel	12/7/2011	9	11,295	1,807,200	0.06	7.9	0	De-chlor,diffuser, gravel bags
434-105-75	Hydrant Flushing	Calabazas Creek	12/7/2011	10	12,330	1,775,520	0.09	7.6	0	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
446-102-75	Hydrant Flushing	West Channel	12/7/2011	10	12,780	1,840,320	0.06	7.6	0	De-chlor,diffuser, gravel bags
448-109-75	Hydrant Flushing	East Channel	12/7/2011	10	13,420	1,932,480	0.10	8.2	0	De-chlor,diffuser, gravel bags
452-111-75	Hydrant Flushing	East Channel	12/22/2011	6	8,778	2,106,720	0.04	7.8	4	De-chlor,diffuser, gravel bags
452-110-75	Hydrant Flushing	East Channel	12/22/2011	6	8,832	2,119,680	0.01	7.8	0	De-chlor,diffuser, gravel bags
452-108-75	Hydrant Flushing	East Channel	12/22/2011	7	9,828	2,021,760	0.02	8.0	3	De-chlor,diffuser, gravel bags
452-115-75	Hydrant Flushing	East Channel	12/22/2011	7	9,828	2,021,760	0.00	8.1	0	De-chlor,diffuser, gravel bags
452-112-75	Hydrant Flushing	East Channel	12/22/2011	7	9,968	2,050,560	0.02	7.5	0	De-chlor,diffuser, gravel bags
452-109-75	Hydrant Flushing	East Channel	12/22/2011	8	11,704	2,106,720	0.02	7.6	0	De-chlor,diffuser, gravel bags
452-117-75	Hydrant Flushing	East Channel	12/22/2011	9	13,419	2,147,040	0.03	8.3	2	De-chlor,diffuser, gravel bags
452-116-75	Hydrant Flushing	East Channel	12/22/2011	10	14,630	2,106,720	0.02	7.9	1	De-chlor,diffuser, gravel bags
452-113-75	Hydrant Flushing	East Channel	12/22/2011	12	16,848	2,021,760	0.00	8.1	0	De-chlor,diffuser, gravel bags
452-114-75	Hydrant Flushing	East Channel	12/22/2011	14	19,936	2,050,560	0.01	7.6	2	De-chlor,diffuser, gravel bags
449-104-74	Hydrant Flushing	East Channel	1/3/2012	5	7,020	2,021,760	0.05	7.7	9	De-chlor,diffuser, gravel bags
449-108-74	Hydrant Flushing	East Channel	1/3/2012	6	8,424	2,021,760	0.02	7.9	11	De-chlor,diffuser, gravel bags
449-105-74	Hydrant Flushing	East Channel	1/3/2012	8	11,232	2,021,760	0.04	7.9	3	De-chlor,diffuser, gravel bags
449-106-75	Hydrant Flushing	East Channel	1/3/2012	8	11,232	2,021,760	0.05	7.7	4	De-chlor,diffuser, gravel bags
449-110-74	Hydrant Flushing	East Channel	1/3/2012	8	11,232	2,021,760	0.03	7.8	7	De-chlor,diffuser, gravel bags
449-109-74	Hydrant Flushing	East Channel	1/3/2012	9	12,816	2,050,560	0.03	7.9	7	De-chlor,diffuser, gravel bags
449-107-74	Hydrant Flushing	East Channel	1/3/2012	9	12,987	2,077,920	0.03	7.9	9	De-chlor,diffuser, gravel bags
450-105-74	Hydrant Flushing	East Channel	1/3/2012	10	14,040	2,021,760	0.04	7.8	0	De-chlor,diffuser, gravel bags
449-111-75	Hydrant Flushing	East Channel	1/3/2012	12	14,520	1,742,400	0.02	7.7	0	De-chlor,diffuser, gravel bags
193-103-75	Hydrant Flushing	East Channel	1/3/2012	15	19,500	1,872,000	0.05	7.7	0	De-chlor,diffuser, gravel bags
193-103-75	Hydrant Flushing	East Channel	1/3/2012	15	19,500	1,872,000	0.02	7.7	0	De-chlor,diffuser, gravel bags
451-114-75	Hydrant Flushing	East Channel	1/4/2012	5	7,120	2,050,560	0.00	7.7	0	De-chlor,diffuser, gravel bags
450-102-74	Hydrant Flushing	East Channel	1/4/2012	7	9,828	2,021,760	0.03	7.8	4	De-chlor,diffuser, gravel bags
450-111-74	Hydrant Flushing	East Channel	1/4/2012	7	9,968	2,050,560	0.02	7.7	7	De-chlor,diffuser, gravel bags
450-101-74	Hydrant Flushing	East Channel	1/4/2012	7	9,968	2,050,560	0.03	7.7	0	De-chlor,diffuser, gravel bags
450-108-74	Hydrant Flushing	East Channel	1/4/2012	7	10,094	2,076,480	0.01	7.9	0	De-chlor,diffuser, gravel bags
450-106-75	Hydrant Flushing	East Channel	1/4/2012	8	11,072	1,992,960	0.03	7.1	3	De-chlor,diffuser, gravel bags
450-104-74	Hydrant Flushing	East Channel	1/4/2012	8	11,232	2,021,760	0.02	7.4	0	De-chlor,diffuser, gravel bags
450-107-75	Hydrant Flushing	East Channel	1/4/2012	8	11,392	2,050,560	0.01	7.8	3	De-chlor,diffuser, gravel bags
450-109-74	Hydrant Flushing	East Channel	1/4/2012	9	12,546	2,007,360	0.02	7.7	3	De-chlor,diffuser, gravel bags
450-110-75	Hydrant Flushing	East Channel	1/4/2012	9	12,636	2,021,760	0.01	7.8	8	De-chlor,diffuser, gravel bags
450-107-74	Hydrant Flushing	East Channel	1/4/2012	9	12,978	2,076,480	0.04	7.7	0	De-chlor,diffuser, gravel bags
450-103-74	Hydrant Flushing	East Channel	1/4/2012	10	14,040	2,021,760	0.01	7.9	0	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
451-102-74	Hydrant Flushing	East Channel	1/5/2012	5	7,020	2,021,760	0.02	7.7	7	De-chlor,diffuser, gravel bags
451-106-74	Hydrant Flushing	East Channel	1/5/2012	6	8,424	2,021,760	0.03	8.4	3	De-chlor,diffuser, gravel bags
451-105-74	Hydrant Flushing	East Channel	1/5/2012	8	8,424	2,021,760	0.04	7.7	15	De-chlor,diffuser, gravel bags
451-101-74	Hydrant Flushing	East Channel	1/5/2012	7	9,828	2,021,760	0.01	7.9	0	De-chlor,diffuser, gravel bags
452-103-75	Hydrant Flushing	East Channel	1/5/2012	7	9,828	2,021,760	0.03	7.8	0	De-chlor,diffuser, gravel bags
453-104-74	Hydrant Flushing	Calabazas Creek	1/5/2012	7	9,968	2,050,560	0.02	7.8	4	De-chlor,diffuser, gravel bags
451-112-75	Hydrant Flushing	East Channel	1/5/2012	8	10,560	1,900,800	0.01	7.8	4	De-chlor,diffuser, gravel bags
452-104-74	Hydrant Flushing	East Channel	1/5/2012	8	11,072	1,992,960	0.01	7.7	12	De-chlor,diffuser, gravel bags
451-103-74	Hydrant Flushing	East Channel	1/5/2012	8	11,232	2,021,760	0.02	7.7	0	De-chlor,diffuser, gravel bags
452-101-75	Hydrant Flushing	East Channel	1/5/2012	8	11,392	2,050,560	0.04	7.8	3	De-chlor,diffuser, gravel bags
453-101-75	Hydrant Flushing	Calabazas Creek	1/5/2012	8	11,392	2,050,560	0.03	8.3	23	De-chlor,diffuser, gravel bags
453-107-74	Hydrant Flushing	Calabazas Creek	1/5/2012	8	11,392	2,050,560	0.00	7.7	0	De-chlor,diffuser, gravel bags
452-105-75	Hydrant Flushing	East Channel	1/5/2012	9	12,636	2,021,760	0.04	7.7	2	De-chlor,diffuser, gravel bags
453-102-74	Hydrant Flushing	Calabazas Creek	1/5/2012	9	12,816	2,050,560	0.01	8.1	7	De-chlor,diffuser, gravel bags
453-106-74	Hydrant Flushing	Calabazas Creek	1/5/2012	9	12,816	2,050,560	0.01	7.7	13	De-chlor,diffuser, gravel bags
453-105-74	Hydrant Flushing	Calabazas Creek	1/5/2012	9	12,816	2,050,560	0.00	7.8	2	De-chlor,diffuser, gravel bags
453-103-74	Hydrant Flushing	Calabazas Creek	1/5/2012	10	14,240	2,050,560	0.00	8.0	13	De-chlor,diffuser, gravel bags
451-104-74	Hydrant Flushing	East Channel	1/5/2012	11	15,444	2,021,760	0.03	7.8	3	De-chlor,diffuser, gravel bags
452-102-75	Hydrant Flushing	East Channel	1/5/2012	12	16,848	2,021,760	0.02	7.7	35	De-chlor,diffuser, gravel bags
454-107-74	Hydrant Flushing	Calabazas Creek	1/19/2012	6	8,778	2,106,720	0.01	7.7	3	De-chlor,diffuser, gravel bags
454-109-74	Hydrant Flushing	Calabazas Creek	1/19/2012	6	8,778	2,106,720	0.03	7.7	0	De-chlor,diffuser, gravel bags
454-101-74	Hydrant Flushing	Calabazas Creek	1/19/2012	8	11,704	2,106,720	0.03	7.8	17	De-chlor,diffuser, gravel bags
454-108-74	Hydrant Flushing	Calabazas Creek	1/19/2012	8	11,704	2,106,720	0.02	7.8	5	De-chlor,diffuser, gravel bags
454-110-74	Hydrant Flushing	Calabazas Creek	1/19/2012	8	11,704	2,106,720	0.04	7.8	23	De-chlor,diffuser, gravel bags
454-113-74	Hydrant Flushing	Calabazas Creek	1/19/2012	10	14,630	2,106,720	0.02	7.7	3	De-chlor,diffuser, gravel bags
455-110-75	Hydrant Flushing	Calabazas Creek	2/2/2012	5	6,920	1,992,960	0.01	8.0	0	De-chlor,diffuser, gravel bags
454-111-74	Hydrant Flushing	Calabazas Creek	2/2/2012	5	7,215	2,077,920	0.02	8.2	0	De-chlor,diffuser, gravel bags
454-113-74	Hydrant Flushing	Calabazas Creek	2/2/2012	5	7,215	2,077,920	0.16	8.0	0	De-chlor,diffuser, gravel bags
455-104-74	Hydrant Flushing	Calabazas Creek	2/2/2012	5	7,215	2,077,920	0.02	8.1	0	De-chlor,diffuser, gravel bags
455-112-75	Hydrant Flushing	Calabazas Creek	2/2/2012	5	7,215	2,077,920	0.04	8.3	0	De-chlor,diffuser, gravel bags
454-103-74	Hydrant Flushing	Calabazas Creek	2/2/2012	5	7,315	2,106,720	0.06	8.2	0	De-chlor,diffuser, gravel bags
455-101-75	Hydrant Flushing	Calabazas Creek	2/2/2012	5	7,500	2,160,000	0.02	8.3	0	De-chlor,diffuser, gravel bags
454-115-75	Hydrant Flushing	Calabazas Creek	2/2/2012	7	8,302	1,707,840	0.00	9.8	1	De-chlor,diffuser, gravel bags
455-105-74	Hydrant Flushing	Calabazas Creek	2/2/2012	7	10,374	2,134,080	0.25	8.2	0	De-chlor,diffuser, gravel bags
454-107-74	Hydrant Flushing	Calabazas Creek	2/2/2012	8	11,392	2,050,560	0.01	8.0	0	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
454-108-74	Hydrant Flushing	Calabazas Creek	2/2/2012	8	11,544	2,077,920	0.01	7.2	0	De-chlor,diffuser, gravel bags
455-102-75	Hydrant Flushing	Calabazas Creek	2/2/2012	8	11,704	2,106,720	0.02	8.0	0	De-chlor,diffuser, gravel bags
455-106-74	Hydrant Flushing	Calabazas Creek	2/2/2012	8	11,856	2,134,080	0.02	8.1	0	De-chlor,diffuser, gravel bags
455-114-75	Hydrant Flushing	Calabazas Creek	2/2/2012	10	12,330	1,775,520	0.04	8.2	0	De-chlor,diffuser, gravel bags
454-112-74	Hydrant Flushing	Calabazas Creek	2/2/2012	10	13,200	1,900,800	0.04	8.7	0	De-chlor,diffuser, gravel bags
454-114-75	Hydrant Flushing	Calabazas Creek	2/2/2012	10	13,420	1,932,480	0.06	8.1	0	De-chlor,diffuser, gravel bags
454-116-75	Hydrant Flushing	Calabazas Creek	2/2/2012	10	13,840	1,992,960	0.05	7.2	0	De-chlor,diffuser, gravel bags
455-103-75	Hydrant Flushing	Calabazas Creek	2/2/2012	10	14,240	2,050,560	0.02	8.2	0	De-chlor,diffuser, gravel bags
454-109-74	Hydrant Flushing	Calabazas Creek	2/2/2012	10	14,430	2,077,920	0.02	7.2	8	De-chlor,diffuser, gravel bags
454-110-74	Hydrant Flushing	Calabazas Creek	2/2/2012	10	14,430	2,077,920	0.19	7.2	0	De-chlor,diffuser, gravel bags
454-105-74	Hydrant Flushing	Calabazas Creek	2/2/2012	10	14,430	2,077,920	0.05	8.0	5	De-chlor,diffuser, gravel bags
454-101-74	Hydrant Flushing	Calabazas Creek	2/2/2012	10	14,430	2,077,920	0.02	8.1	0	De-chlor,diffuser, gravel bags
454-104-74	Hydrant Flushing	Calabazas Creek	2/2/2012	10	14,430	2,077,920	0.06	8.3	0	De-chlor,diffuser, gravel bags
455-109-75	Hydrant Flushing	Calabazas Creek	2/2/2012	10	14,430	2,077,920	0.25	8.0	0	De-chlor,diffuser, gravel bags
455-113-75	Hydrant Flushing	Calabazas Creek	2/2/2012	10	14,430	2,077,920	0.02	8.0	0	De-chlor,diffuser, gravel bags
454-102-74	Hydrant Flushing	Calabazas Creek	2/2/2012	10	14,630	2,106,720	0.06	8.1	11	De-chlor,diffuser, gravel bags
455-111-75	Hydrant Flushing	Calabazas Creek	2/2/2012	10	14,630	2,106,720	0.05	8.1	0	De-chlor,diffuser, gravel bags
455-108-74	Hydrant Flushing	Calabazas Creek	2/2/2012	10	14,820	2,134,080	0.02	8.1	0	De-chlor,diffuser, gravel bags
455-107-74	Hydrant Flushing	Calabazas Creek	2/2/2012	10	14,820	2,134,080	0.01	8.0	0	De-chlor,diffuser, gravel bags
454-106-74	Hydrant Flushing	Calabazas Creek	2/2/2012	15	21,645	2,077,920	0.08	8.0	0	De-chlor,diffuser, gravel bags
456-101-74	Hydrant Flushing	East Channel	2/6/2012	6	8,892	2,134,080	0.03	9.2	3	De-chlor,diffuser, gravel bags
456-103-75	Hydrant Flushing	East Channel	2/6/2012	7	10,101	2,077,920	0.08	8.3	0	De-chlor,diffuser, gravel bags
457-106-75	Hydrant Flushing	Calabazas Creek	2/6/2012	7	10,374	2,134,080	0.05	7.6	0	De-chlor,diffuser, gravel bags
457-103-75	Hydrant Flushing	Calabazas Creek	2/6/2012	8	11,856	2,134,080	0.18	7.7	0	De-chlor,diffuser, gravel bags
463-105-74	Hydrant Flushing	Calabazas Creek	2/6/2012	8	12,000	2,160,000	0.08	8.3	0	De-chlor,diffuser, gravel bags
458-105-74	Hydrant Flushing	Calabazas Creek	2/6/2012	11	16,500	2,160,000	0.08	7.8	0	De-chlor,diffuser, gravel bags
463-101-74	Hydrant Flushing	Calabazas Creek	2/6/2012	11	16,500	2,160,000	0.03	8.0	0	De-chlor,diffuser, gravel bags
457-104-75	Hydrant Flushing	Calabazas Creek	2/6/2012	12	17,784	2,134,080	0.15	7.6	0	De-chlor,diffuser, gravel bags
463-102-74	Hydrant Flushing	Calabazas Creek	2/6/2012	12	18,000	2,160,000	0.01	8.1	1	De-chlor,diffuser, gravel bags
456-102-75	Hydrant Flushing	East Channel	2/6/2012	13	19,266	2,134,080	0.05	8.7	0	De-chlor,diffuser, gravel bags
457-101-75	Hydrant Flushing	Calabazas Creek	2/6/2012	13	19,266	2,134,080	0.16	7.8	0	De-chlor,diffuser, gravel bags
457-107-75	Hydrant Flushing	Calabazas Creek	2/6/2012	13	19,266	2,134,080	0.07	7.4	0	De-chlor,diffuser, gravel bags
458-104-74	Hydrant Flushing	Calabazas Creek	2/6/2012	13	19,266	2,134,080	0.07	7.9	0	De-chlor,diffuser, gravel bags
458-101-74	Hydrant Flushing	Calabazas Creek	2/6/2012	14	21,000	2,160,000	0.02	7.8	1	De-chlor,diffuser, gravel bags
458-103-74	Hydrant Flushing	Calabazas Creek	2/6/2012	15	22,230	2,134,080	0.04	7.8	0	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
463-104-74	Hydrant Flushing	Calabazas Creek	2/6/2012	17	24,531	2,077,920	0.07	8.2	0	De-chlor,diffuser, gravel bags
457-108-75	Hydrant Flushing	Calabazas Creek	2/6/2012	17	25,194	2,134,080	0.07	7.6	0	De-chlor,diffuser, gravel bags
457-109-75	Hydrant Flushing	Calabazas Creek	2/6/2012	17	25,194	2,134,080	0.06	7.6	0	De-chlor,diffuser, gravel bags
463-103-74	Hydrant Flushing	Calabazas Creek	2/6/2012	17	25,500	2,160,000	0.06	7.8	0	De-chlor,diffuser, gravel bags
457-105-75	Hydrant Flushing	Calabazas Creek	2/6/2012	18	26,334	2,106,720	0.15	7.6	0	De-chlor,diffuser, gravel bags
457-102-76	Hydrant Flushing	Calabazas Creek	2/6/2012	19	27,797	2,106,720	0.08	7.6	0	De-chlor,diffuser, gravel bags
456-104-74	Hydrant Flushing	Calabazas Creek	2/6/2012	19	28,500	2,160,000	0.43	8.1	0	De-chlor,diffuser, gravel bags
458-102-74	Hydrant Flushing	Calabazas Creek	2/6/2012	22	33,000	2,160,000	0.04	7.8	0	De-chlor,diffuser, gravel bags
465-101-74	Hydrant Flushing	Calabazas Creek	2/7/2012	6	9,000	2,160,000	0.01	8.2	0	De-chlor,diffuser, gravel bags
466-104-74	Hydrant Flushing	East Channel	2/7/2012	6	9,000	2,160,000	0.05	7.9	0	De-chlor,diffuser, gravel bags
464-103-74	Hydrant Flushing	Calabazas Creek	2/7/2012	7	10,437	2,147,040	0.06	8.2	0	De-chlor,diffuser, gravel bags
466-105-74	Hydrant Flushing	East Channel	2/7/2012	7	10,500	2,160,000	0.05	8.1	0	De-chlor,diffuser, gravel bags
466-102-74	Hydrant Flushing	East Channel	2/7/2012	8	11,856	2,134,080	0.08	8.3	0	De-chlor,diffuser, gravel bags
465-106-74	Hydrant Flushing	East Channel	2/7/2012	8	11,928	2,147,040	0.04	8.4	0	De-chlor,diffuser, gravel bags
464-109-74	Hydrant Flushing	Calabazas Creek	2/7/2012	9	13,338	2,134,080	0.05	8.4	0	De-chlor,diffuser, gravel bags
464-107-74	Hydrant Flushing	Calabazas Creek	2/7/2012	11	16,401	2,147,040	0.11	8.2	0	De-chlor,diffuser, gravel bags
464-111-74	Hydrant Flushing	Calabazas Creek	2/7/2012	11	16,500	2,160,000	0.04	8.2	0	De-chlor,diffuser, gravel bags
465-102-74	Hydrant Flushing	East Channel	2/7/2012	11	16,599	2,172,960	0.10	8.3	1	De-chlor,diffuser, gravel bags
466-106-74	Hydrant Flushing	East Channel	2/7/2012	12	17,784	2,134,080	0.03	8.2	0	De-chlor,diffuser, gravel bags
466-107-74	Hydrant Flushing	East Channel	2/7/2012	12	17,784	2,134,080	0.01	8.0	0	De-chlor,diffuser, gravel bags
465-103-74	Hydrant Flushing	East Channel	2/7/2012	12	18,000	2,160,000	0.04	8.2	0	De-chlor,diffuser, gravel bags
464-108-74	Hydrant Flushing	Calabazas Creek	2/7/2012	13	19,500	2,160,000	0.01	7.8	0	De-chlor,diffuser, gravel bags
466-103-74	Hydrant Flushing	East Channel	2/7/2012	14	21,000	2,160,000	0.09	8.1	0	De-chlor,diffuser, gravel bags
464-105-74	Hydrant Flushing	Calabazas Creek	2/7/2012	15	22,500	2,160,000	0.01	8.1	0	De-chlor,diffuser, gravel bags
464-102-75	Hydrant Flushing	Calabazas Creek	2/7/2012	15	22,500	2,160,000	0.07	8.1	0	De-chlor,diffuser, gravel bags
465-105-74	Hydrant Flushing	East Channel	2/7/2012	15	22,500	2,160,000	0.02	8.4	0	De-chlor,diffuser, gravel bags
466-101-74	Hydrant Flushing	East Channel	2/7/2012	16	23,712	2,134,080	0.07	8.5	0	De-chlor,diffuser, gravel bags
464-110-74	Hydrant Flushing	Calabazas Creek	2/7/2012	16	24,000	2,160,000	0.06	8.3	0	De-chlor,diffuser, gravel bags
464-101-75	Hydrant Flushing	Calabazas Creek	2/7/2012	18	26,676	2,134,080	0.03	8.1	0	De-chlor,diffuser, gravel bags
465-104-74	Hydrant Flushing	Calabazas Creek	2/7/2012	18	26,676	2,134,080	0.12	8.4	0	De-chlor,diffuser, gravel bags
464-106-74	Hydrant Flushing	Calabazas Creek	2/7/2012	18	27,000	2,160,000	0.08	8.5	0	De-chlor,diffuser, gravel bags
468-103-74	Hydrant Flushing	West Channel	2/8/2012	7	7,609	1,565,280	0.09	7.9	0	De-chlor,diffuser, gravel bags
467-106-74	Hydrant Flushing	East Channel	2/8/2012	6	8,892	2,134,080	0.03	8.1	0	De-chlor,diffuser, gravel bags
467-102-74	Hydrant Flushing	East Channel	2/8/2012	7	10,374	2,134,080	0.05	8.1	0	De-chlor,diffuser, gravel bags
467-101-74	Hydrant Flushing	East Channel	2/8/2012	8	11,544	2,077,920	0.03	8.0	0	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
467-104-74	Hydrant Flushing	East Channel	2/8/2012	8	11,704	2,106,720	0.05	8.2	1	De-chlor,diffuser, gravel bags
467-108-74	Hydrant Flushing	East Channel	2/8/2012	9	12,816	2,050,560	0.05	8.1	0	De-chlor,diffuser, gravel bags
467-107-74	Hydrant Flushing	East Channel	2/8/2012	11	16,500	2,160,000	0.01	8.0	0	De-chlor,diffuser, gravel bags
468-107-75	Hydrant Flushing	West Channel	2/8/2012	12	17,088	2,050,560	0.07	8.1	0	De-chlor,diffuser, gravel bags
468-104-74	Hydrant Flushing	West Channel	2/8/2012	12	17,556	2,106,720	0.07	8.0	0	De-chlor,diffuser, gravel bags
468-106-75	Hydrant Flushing	West Channel	2/8/2012	13	18,252	2,021,760	0.04	7.9	0	De-chlor,diffuser, gravel bags
468-101-74	Hydrant Flushing	Calabazas Creek	2/8/2012	13	19,266	2,134,080	0.27	8.1	0	De-chlor,diffuser, gravel bags
467-105-74	Hydrant Flushing	East Channel	2/8/2012	14	20,482	2,106,720	0.06	8.0	0	De-chlor,diffuser, gravel bags
467-110-75	Hydrant Flushing	East Channel	2/8/2012	14	20,874	2,147,040	0.03	8.2	0	De-chlor,diffuser, gravel bags
468-102-75	Hydrant Flushing	Calabazas Creek	2/8/2012	15	21,645	2,077,920	0.03	8.1	0	De-chlor,diffuser, gravel bags
467-103-74	Hydrant Flushing	East Channel	2/8/2012	16	23,408	2,106,720	0.07	7.9	0	De-chlor,diffuser, gravel bags
467-109-75	Hydrant Flushing	East Channel	2/8/2012	18	25,632	2,050,560	0.06	8.1	0	De-chlor,diffuser, gravel bags
468-105-75	Hydrant Flushing	West Channel	2/8/2012	22	30,888	2,021,760	0.05	8.0	0	De-chlor,diffuser, gravel bags
435-107-75	Hydrant Flushing	West Channel	2/13/2012	6	7,860	1,886,400	0.05	8.1	0	De-chlor,diffuser, gravel bags
446-109-75	Hydrant Flushing	West Channel	2/13/2012	7	8,785	1,807,200	0.05	7.8	0	De-chlor,diffuser, gravel bags
435-103-75	Hydrant Flushing	West Channel	2/13/2012	7	8,946	1,840,320	0.03	7.8	0	De-chlor,diffuser, gravel bags
446-107-75	Hydrant Flushing	West Channel	2/13/2012	8	10,040	1,807,200	0.03	7.3	1	De-chlor,diffuser, gravel bags
452-107-75	Hydrant Flushing	East Channel	2/13/2012	7	10,241	2,106,720	0.19	8.6	0	De-chlor,diffuser, gravel bags
435-106-75	Hydrant Flushing	West Channel	2/13/2012	9	10,242	1,638,720	0.04	8.0	0	De-chlor,diffuser, gravel bags
446-111-75	Hydrant Flushing	West Channel	2/13/2012	8	10,736	1,932,480	0.06	6.0	0	De-chlor,diffuser, gravel bags
446-101-75	Hydrant Flushing	West Channel	2/13/2012	11	14,300	1,872,000	0.04	8.3	1	De-chlor,diffuser, gravel bags
450-101-74	Hydrant Flushing	East Channel	2/13/2012	10	14,430	2,077,920	0.09	7.9	1	De-chlor,diffuser, gravel bags
452-106-75	Hydrant Flushing	East Channel	2/13/2012	11	16,093	2,106,720	0.13	8.0	0	De-chlor,diffuser, gravel bags
435-104-75	Hydrant Flushing	West Channel	2/13/2012	13	16,900	1,872,000	0.04	7.9	0	De-chlor,diffuser, gravel bags
435-102-75	Hydrant Flushing	West Channel	2/13/2012	15	19,170	1,840,320	0.06	8.2	0	De-chlor,diffuser, gravel bags
447-102-75	Hydrant Flushing	West Channel	2/14/2012	4	5,280	1,900,800	0.12	7.9	1	De-chlor,diffuser, gravel bags
448-106-75	Hydrant Flushing	West Channel	2/14/2012	4	5,368	1,932,480	0.21	7.9	0	De-chlor,diffuser, gravel bags
448-105-75	Hydrant Flushing	West Channel	2/14/2012	4	5,448	1,961,280	0.06	7.9	0	De-chlor,diffuser, gravel bags
447-104-75	Hydrant Flushing	West Channel	2/14/2012	5	6,600	1,900,800	0.09	7.8	0	De-chlor,diffuser, gravel bags
447-109-75	Hydrant Flushing	West Channel	2/14/2012	5	6,600	1,900,800	0.07	7.8	0	De-chlor,diffuser, gravel bags
446-108-75	Hydrant Flushing	West Channel	2/14/2012	6	7,530	1,807,200	0.04	7.7	0	De-chlor,diffuser, gravel bags
446-112-75	Hydrant Flushing	West Channel	2/14/2012	6	7,668	1,840,320	0.04	7.3	0	De-chlor,diffuser, gravel bags
447-108-75	Hydrant Flushing	West Channel	2/14/2012	7	9,240	1,900,800	0.08	8.0	0	De-chlor,diffuser, gravel bags
448-104-75	Hydrant Flushing	West Channel	2/14/2012	7	10,241	2,106,720	0.04	8.0	1	De-chlor,diffuser, gravel bags
446-105-75	Hydrant Flushing	West Channel	2/14/2012	8	10,400	1,872,000	0.06	8.0	0	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
446-110-75	Hydrant Flushing	West Channel	2/14/2012	8	10,400	1,872,000	0.03	7.2	0	De-chlor,diffuser, gravel bags
447-101-75	Hydrant Flushing	West Channel	2/14/2012	8	10,400	1,872,000	0.03	8.0	0	De-chlor,diffuser, gravel bags
448-112-75	Hydrant Flushing	West Channel	2/14/2012	8	10,560	1,900,800	0.05	8.1	0	De-chlor,diffuser, gravel bags
448-110-75	Hydrant Flushing	West Channel	2/14/2012	8	10,760	1,932,480	0.06	8.0	0	De-chlor,diffuser, gravel bags
448-102-75	Hydrant Flushing	West Channel	2/14/2012	8	11,072	1,992,960	0.04	8.3	0	De-chlor,diffuser, gravel bags
446-106-75	Hydrant Flushing	West Channel	2/14/2012	9	11,700	1,872,000	0.01	7.7	0	De-chlor,diffuser, gravel bags
447-107-75	Hydrant Flushing	West Channel	2/14/2012	9	11,700	1,872,000	0.07	8.0	0	De-chlor,diffuser, gravel bags
448-111-75	Hydrant Flushing	West Channel	2/14/2012	9	11,880	1,900,800	0.06	7.8	0	De-chlor,diffuser, gravel bags
447-103-75	Hydrant Flushing	West Channel	2/14/2012	11	14,520	1,900,800	0.04	7.9	0	De-chlor,diffuser, gravel bags
448-103-75	Hydrant Flushing	West Channel	2/14/2012	11	15,224	1,992,960	0.03	8.0	0	De-chlor,diffuser, gravel bags
448-101-75	Hydrant Flushing	West Channel	2/14/2012	13	18,252	2,021,760	0.03	8.1	0	De-chlor,diffuser, gravel bags
433-105-75	Hydrant Flushing	West Channel	2/15/2012	4	5,280	1,900,800	0.06	8.0	0	De-chlor,diffuser, gravel bags
449-101-74	Hydrant Flushing	West Channel	2/15/2012	4	5,536	1,992,960	0.06	7.6	0	De-chlor,diffuser, gravel bags
433-108-75	Hydrant Flushing	West Channel	2/15/2012	5	6,600	1,900,800	0.09	7.8	0	De-chlor,diffuser, gravel bags
433-102-75	Hydrant Flushing	West Channel	2/15/2012	6	8,052	1,932,480	0.08	7.9	0	De-chlor,diffuser, gravel bags
433-106-75	Hydrant Flushing	West Channel	2/15/2012	7	9,240	1,900,800	0.07	8.1	0	De-chlor,diffuser, gravel bags
449-102-75	Hydrant Flushing	West Channel	2/15/2012	7	9,240	1,900,800	0.05	7.5	0	De-chlor,diffuser, gravel bags
433-111-75	Hydrant Flushing	West Channel	2/15/2012	7	9,394	1,932,480	0.02	7.7	0	De-chlor,diffuser, gravel bags
449-103-75	Hydrant Flushing	West Channel	2/15/2012	7	9,394	1,932,480	0.07	7.9	0	De-chlor,diffuser, gravel bags
449-112-74	Hydrant Flushing	West Channel	2/15/2012	7	9,828	2,021,760	0.01	8.0	0	De-chlor,diffuser, gravel bags
449-111-74	Hydrant Flushing	West Channel	2/15/2012	8	9,864	1,775,520	0.09	8.0	0	De-chlor,diffuser, gravel bags
433-103-75	Hydrant Flushing	West Channel	2/15/2012	8	10,560	1,900,800	0.08	7.6	0	De-chlor,diffuser, gravel bags
433-104-75	Hydrant Flushing	West Channel	2/15/2012	11	14,520	1,900,800	0.06	7.8	0	De-chlor,diffuser, gravel bags
471-103-75	Hydrant Flushing	West Channel	2/22/2012	4	5,772	2,077,920	0.01	8.1	0	De-chlor,diffuser, gravel bags
471-108-74	Hydrant Flushing	West Channel	2/22/2012	4	5,772	2,077,920	0.06	8.1	0	De-chlor,diffuser, gravel bags
469-103-75	Hydrant Flushing	West Channel	2/22/2012	4	5,852	2,106,720	0.07	8.0	0	De-chlor,diffuser, gravel bags
469-106-75	Hydrant Flushing	West Channel	2/22/2012	4	5,852	2,106,720	0.04	8.1	0	De-chlor,diffuser, gravel bags
470-102-74	Hydrant Flushing	West Channel	2/22/2012	4	5,964	2,147,040	0.05	8.0	0	De-chlor,diffuser, gravel bags
469-102-74	Hydrant Flushing	West Channel	2/22/2012	5	7,120	2,050,560	0.11	8.0	0	De-chlor,diffuser, gravel bags
469-105-75	Hydrant Flushing	West Channel	2/22/2012	5	7,215	2,077,920	0.06	7.8	0	De-chlor,diffuser, gravel bags
469-104-75	Hydrant Flushing	West Channel	2/22/2012	5	7,455	2,147,040	0.06	7.8	0	De-chlor,diffuser, gravel bags
470-103-74	Hydrant Flushing	West Channel	2/22/2012	5	7,455	2,147,040	0.06	8.0	0	De-chlor,diffuser, gravel bags
469-101-74	Hydrant Flushing	West Channel	2/22/2012	6	8,544	2,050,560	0.09	7.6	0	De-chlor,diffuser, gravel bags
471-109-75	Hydrant Flushing	West Channel	2/22/2012	6	8,544	2,050,560	0.04	7.9	0	De-chlor,diffuser, gravel bags
470-104-74	Hydrant Flushing	West Channel	2/22/2012	6	8,658	2,077,920	0.07	8.1	0	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
471-104-75	Hydrant Flushing	West Channel	2/22/2012	6	8,658	2,077,920	0.04	8.2	1	De-chlor,diffuser, gravel bags
469-107-75	Hydrant Flushing	West Channel	2/22/2012	6	8,778	2,106,720	0.07	7.8	0	De-chlor,diffuser, gravel bags
471-102-74	Hydrant Flushing	West Channel	2/22/2012	6	8,892	2,134,080	0.02	8.0	0	De-chlor,diffuser, gravel bags
471-101-74	Hydrant Flushing	West Channel	2/22/2012	7	10,241	2,106,720	0.05	8.1	0	De-chlor,diffuser, gravel bags
471-107-74	Hydrant Flushing	West Channel	2/22/2012	7	10,241	2,106,720	0.02	8.3	0	De-chlor,diffuser, gravel bags
471-106-74	Hydrant Flushing	West Channel	2/22/2012	7	10,374	2,134,080	0.02	8.1	0	De-chlor,diffuser, gravel bags
470-101-74	Hydrant Flushing	West Channel	2/22/2012	7	10,437	2,147,040	0.03	8.2	0	De-chlor,diffuser, gravel bags
471-105-74	Hydrant Flushing	West Channel	2/22/2012	9	13,167	2,106,720	0.03	8.2	0	De-chlor,diffuser, gravel bags
472-111-75	Hydrant Flushing	West Channel	2/23/2012	4	5,536	1,992,960	0.02	8.3	0	De-chlor,diffuser, gravel bags
472-112-75	Hydrant Flushing	West Channel	2/23/2012	4	5,656	2,036,160	0.08	8.4	0	De-chlor,diffuser, gravel bags
473-106-75	Hydrant Flushing	West Channel	2/23/2012	4	5,656	2,036,160	0.06	8.5	0	De-chlor,diffuser, gravel bags
472-106-75	Hydrant Flushing	West Channel	2/23/2012	4	5,696	2,050,560	0.15	8.3	0	De-chlor,diffuser, gravel bags
472-103-75	Hydrant Flushing	West Channel	2/23/2012	4	5,772	2,077,920	0.04	7.9	0	De-chlor,diffuser, gravel bags
473-101-75	Hydrant Flushing	West Channel	2/23/2012	5	6,920	1,992,960	0.05	8.0	0	De-chlor,diffuser, gravel bags
473-104-75	Hydrant Flushing	West Channel	2/23/2012	5	6,970	2,007,360	0.03	8.2	0	De-chlor,diffuser, gravel bags
473-105-75	Hydrant Flushing	West Channel	2/23/2012	4	7,020	2,021,760	0.04	8.0	0	De-chlor,diffuser, gravel bags
473-107-75	Hydrant Flushing	West Channel	2/23/2012	5	7,020	2,021,760	0.05	8.2	0	De-chlor,diffuser, gravel bags
472-101-75	Hydrant Flushing	West Channel	2/23/2012	5	7,120	2,050,560	0.05	8.0	0	De-chlor,diffuser, gravel bags
472-104-75	Hydrant Flushing	West Channel	2/23/2012	6	8,424	2,021,760	0.11	6.0	0	De-chlor,diffuser, gravel bags
472-110-75	Hydrant Flushing	West Channel	2/23/2012	6	8,424	2,021,760	0.05	8.0	0	De-chlor,diffuser, gravel bags
473-103-75	Hydrant Flushing	West Channel	2/23/2012	6	8,424	2,021,760	0.05	8.3	0	De-chlor,diffuser, gravel bags
472-105-75	Hydrant Flushing	West Channel	2/23/2012	6	8,544	2,050,560	0.09	8.1	0	De-chlor,diffuser, gravel bags
472-109-75	Hydrant Flushing	West Channel	2/23/2012	6	8,544	2,050,560	0.13	8.2	0	De-chlor,diffuser, gravel bags
472-102-75	Hydrant Flushing	West Channel	2/23/2012	6	8,658	2,077,920	0.04	8.1	0	De-chlor,diffuser, gravel bags
472-107-75	Hydrant Flushing	West Channel	2/23/2012	8	11,232	2,021,760	0.07	7.9	1	De-chlor,diffuser, gravel bags
473-102-75	Hydrant Flushing	West Channel	2/23/2012	8	11,232	2,021,760	0.06	8.1	0	De-chlor,diffuser, gravel bags
474-104-75	Hydrant Flushing	West Channel	2/27/2012	4	5,368	1,932,480	0.08	7.9	0	De-chlor,diffuser, gravel bags
474-111-75	Hydrant Flushing	West Channel	2/27/2012	4	5,452	1,962,720	0.11	8.1	1	De-chlor,diffuser, gravel bags
473-111-75	Hydrant Flushing	West Channel	2/27/2012	4	5,616	2,021,760	0.06	8.1	0	De-chlor,diffuser, gravel bags
474-107-75	Hydrant Flushing	West Channel	2/27/2012	4	5,656	2,036,160	0.07	8.0	0	De-chlor,diffuser, gravel bags
474-109-75	Hydrant Flushing	West Channel	2/27/2012	5	6,815	1,962,720	0.09	8.0	0	De-chlor,diffuser, gravel bags
473-109-75	Hydrant Flushing	West Channel	2/27/2012	6	8,304	1,992,960	0.05	8.0	0	De-chlor,diffuser, gravel bags
474-108-75	Hydrant Flushing	West Channel	2/27/2012	6	8,364	2,007,360	0.06	8.0	0	De-chlor,diffuser, gravel bags
474-110-75	Hydrant Flushing	West Channel	2/27/2012	6	8,364	2,007,360	0.06	8.0	2	De-chlor,diffuser, gravel bags
473-112-75	Hydrant Flushing	West Channel	2/27/2012	6	8,424	2,021,760	0.06	8.0	0	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
474-105-75	Hydrant Flushing	West Channel	2/27/2012	7	9,688	1,992,960	0.05	7.9	0	De-chlor,diffuser, gravel bags
473-108-75	Hydrant Flushing	West Channel	2/27/2012	7	10,101	2,077,920	0.06	8.0	0	De-chlor,diffuser, gravel bags
474-106-75	Hydrant Flushing	West Channel	2/27/2012	8	10,904	1,962,720	0.08	8.0	0	De-chlor,diffuser, gravel bags
473-110-75	Hydrant Flushing	West Channel	2/27/2012	8	11,232	2,021,760	0.05	8.1	0	De-chlor,diffuser, gravel bags
474-103-75	Hydrant Flushing	East Channel	2/28/2012	6	7,920	1,900,800	0.13	8.0	0	De-chlor,diffuser, gravel bags
475-101-75	Hydrant Flushing	East Channel	2/28/2012	6	7,920	1,900,800	0.06	7.9	1	De-chlor,diffuser, gravel bags
474-113-75	Hydrant Flushing	East Channel	2/28/2012	7	9,541	1,962,720	0.05	8.2	0	De-chlor,diffuser, gravel bags
475-102-75	Hydrant Flushing	West Channel	2/28/2012	7	9,541	1,962,720	0.05	8.0	0	De-chlor,diffuser, gravel bags
475-105-75	Hydrant Flushing	West Channel	2/28/2012	7	9,688	1,992,960	0.05	8.2	0	De-chlor,diffuser, gravel bags
474-102-75	Hydrant Flushing	East Channel	2/28/2012	8	10,560	1,900,800	0.06	8.0	3	De-chlor,diffuser, gravel bags
475-104-75	Hydrant Flushing	West Channel	2/28/2012	8	10,904	1,962,720	0.08	7.9	0	De-chlor,diffuser, gravel bags
475-106-75	Hydrant Flushing	West Channel	2/28/2012	8	11,072	1,992,960	0.06	7.9	0	De-chlor,diffuser, gravel bags
404-102-75	Hydrant Flushing	West Channel	2/28/2012	7	11,620	2,390,400	0.06	8.3	0	De-chlor,diffuser, gravel bags
474-114-75	Hydrant Flushing	East Channel	2/28/2012	9	11,790	1,886,400	0.05	8.1	2	De-chlor,diffuser, gravel bags
474-101-75	Hydrant Flushing	East Channel	2/28/2012	9	11,880	1,900,800	0.09	8.0	2	De-chlor,diffuser, gravel bags
475-107-75	Hydrant Flushing	West Channel	2/28/2012	9	11,988	1,918,080	0.07	6.0	0	De-chlor,diffuser, gravel bags
474-112-75	Hydrant Flushing	East Channel	2/28/2012	10	13,200	1,900,800	0.09	8.0	0	De-chlor,diffuser, gravel bags
475-108-75	Hydrant Flushing	West Channel	2/28/2012	11	15,224	1,992,960	0.05	8.1	0	De-chlor,diffuser, gravel bags
475-103-75	Hydrant Flushing	West Channel	2/28/2012	12	16,224	1,946,880	0.07	8.1	0	De-chlor,diffuser, gravel bags
487-103-75	Hydrant Flushing	West Channel	2/29/2012	6	8,304	1,992,960	0.07	8.0	0	De-chlor,diffuser, gravel bags
486-103-75	Hydrant Flushing	West Channel	2/29/2012	6	8,424	2,021,760	0.08	7.9	0	De-chlor,diffuser, gravel bags
488-102-75	Hydrant Flushing	West Channel	2/29/2012	6	8,424	2,021,760	0.08	8.1	0	De-chlor,diffuser, gravel bags
486-103-75	Hydrant Flushing	West Channel	2/29/2012	7	9,464	1,946,880	0.09	8.0	1	De-chlor,diffuser, gravel bags
488-103-75	Hydrant Flushing	West Channel	2/29/2012	7	9,828	2,021,760	0.09	8.3	1	De-chlor,diffuser, gravel bags
488-105-75	Hydrant Flushing	West Channel	2/29/2012	7	9,828	2,021,760	0.06	7.9	0	De-chlor,diffuser, gravel bags
488-108-75	Hydrant Flushing	West Channel	2/29/2012	9	9,968	2,050,560	0.09	8.4	0	De-chlor,diffuser, gravel bags
488-107-75	Hydrant Flushing	West Channel	2/29/2012	7	10,241	2,106,720	0.09	8.2	0	De-chlor,diffuser, gravel bags
476-102-75	Hydrant Flushing	West Channel	2/29/2012	8	10,656	1,918,080	0.06	8.0	0	De-chlor,diffuser, gravel bags
476-101-75	Hydrant Flushing	West Channel	2/29/2012	8	10,736	1,932,480	0.05	7.9	0	De-chlor,diffuser, gravel bags
486-102-75	Hydrant Flushing	West Channel	2/29/2012	8	11,072	1,992,960	0.09	7.9	0	De-chlor,diffuser, gravel bags
487-106-75	Hydrant Flushing	West Channel	2/29/2012	8	11,072	1,992,960	0.08	8.1	0	De-chlor,diffuser, gravel bags
487-105-75	Hydrant Flushing	West Channel	2/29/2012	8	11,072	1,992,960	0.06	8.0	0	De-chlor,diffuser, gravel bags
488-104-75	Hydrant Flushing	West Channel	2/29/2012	8	11,544	2,077,920	0.07	8.0	0	De-chlor,diffuser, gravel bags
487-104-75	Hydrant Flushing	West Channel	2/29/2012	9	12,267	1,962,720	0.07	8.0	0	De-chlor,diffuser, gravel bags
487-102-75	Hydrant Flushing	West Channel	2/29/2012	7	12,456	1,992,960	0.07	7.9	0	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
487-101-75	Hydrant Flushing	West Channel	2/29/2012	9	12,456	1,992,960	0.06	8.1	0	De-chlor,diffuser, gravel bags
486-104-75	Hydrant Flushing	West Channel	2/29/2012	10	13,420	1,932,480	0.06	8.0	0	De-chlor,diffuser, gravel bags
488-106-75	Hydrant Flushing	West Channel	2/29/2012	10	14,820	2,134,080	0.08	8.0	0	De-chlor,diffuser, gravel bags
488-101-75	Hydrant Flushing	West Channel	2/29/2012	11	15,873	2,077,920	0.07	7.9	0	De-chlor,diffuser, gravel bags
488-109-75	Hydrant Flushing	West Channel	2/29/2012	11	15,873	2,077,920	0.05	8.0	0	De-chlor,diffuser, gravel bags
489-107-75	Hydrant Flushing	West Channel	3/1/2012	5	7,020	2,021,760	0.07	7.9	0	De-chlor,diffuser, gravel bags
489-106-75	Hydrant Flushing	West Channel	3/1/2012	6	8,544	2,050,560	0.08	7.7	0	De-chlor,diffuser, gravel bags
489-103-75	Hydrant Flushing	West Channel	3/1/2012	6	8,658	2,077,920	0.11	8.0	1	De-chlor,diffuser, gravel bags
489-108-75	Hydrant Flushing	West Channel	3/1/2012	7	10,101	2,077,920	0.07	8.0	0	De-chlor,diffuser, gravel bags
490-110-75	Hydrant Flushing	East Channel	3/1/2012	7	10,101	2,077,920	0.07	8.0	0	De-chlor,diffuser, gravel bags
489-105-75	Hydrant Flushing	West Channel	3/1/2012	8	11,376	2,047,680	0.08	8.1	0	De-chlor,diffuser, gravel bags
489-109-75	Hydrant Flushing	West Channel	3/1/2012	8	11,392	2,050,560	0.08	8.1	0	De-chlor,diffuser, gravel bags
489-102-75	Hydrant Flushing	West Channel	3/1/2012	8	11,464	2,063,520	0.09	8.0	0	De-chlor,diffuser, gravel bags
489-101-75	Hydrant Flushing	West Channel	3/1/2012	9	12,816	2,050,560	0.08	7.8	0	De-chlor,diffuser, gravel bags
489-110-75	Hydrant Flushing	West Channel	3/1/2012	9	12,816	2,050,560	0.09	8.1	0	De-chlor,diffuser, gravel bags
490-101-75	Hydrant Flushing	East Channel	3/1/2012	9	12,816	2,050,560	0.06	8.0	1	De-chlor,diffuser, gravel bags
490-104-74	Hydrant Flushing	East Channel	3/1/2012	9	12,816	2,050,560	0.07	8.0	0	De-chlor,diffuser, gravel bags
490-111-75	Hydrant Flushing	East Channel	3/1/2012	9	13,167	2,106,720	0.08	8.1	0	De-chlor,diffuser, gravel bags
489-104-75	Hydrant Flushing	West Channel	3/1/2012	9	13,338	2,134,080	0.09	8.0	0	De-chlor,diffuser, gravel bags
489-111-75	Hydrant Flushing	West Channel	3/1/2012	11	15,664	2,050,560	0.13	7.9	0	De-chlor,diffuser, gravel bags
490-103-75	Hydrant Flushing	East Channel	3/1/2012	12	16,728	2,007,360	0.08	7.9	0	De-chlor,diffuser, gravel bags
490-102-75	Hydrant Flushing	East Channel	3/1/2012	12	16,848	2,021,760	0.07	8.1	0	De-chlor,diffuser, gravel bags
490-112-75	Hydrant Flushing	West Channel	3/1/2012	12	17,316	2,077,920	0.08	8.1	0	De-chlor,diffuser, gravel bags
491-103-75	Hydrant Flushing	East Channel	3/8/2012	6	8,832	2,119,680	0.06	8.0	0	De-chlor,diffuser, gravel bags
491-110-75	Hydrant Flushing	East Channel	3/8/2012	6	8,946	2,147,040	0.04	8.2	0	De-chlor,diffuser, gravel bags
490-106-74	Hydrant Flushing	East Channel	3/8/2012	7	10,101	2,077,920	0.05	8.4	0	De-chlor,diffuser, gravel bags
490-109-74	Hydrant Flushing	East Channel	3/8/2012	7	10,374	2,134,080	0.05	8.1	0	De-chlor,diffuser, gravel bags
490-107-74	Hydrant Flushing	East Channel	3/8/2012	8	11,704	2,106,720	0.05	8.2	0	De-chlor,diffuser, gravel bags
491-101-74	Hydrant Flushing	East Channel	3/8/2012	8	11,856	2,134,080	0.05	8.1	0	De-chlor,diffuser, gravel bags
491-111-75	Hydrant Flushing	East Channel	3/8/2012	8	12,000	2,160,000	0.05	8.0	0	De-chlor,diffuser, gravel bags
490-105-74	Hydrant Flushing	East Channel	3/8/2012	9	12,816	2,050,560	0.03	8.2	0	De-chlor,diffuser, gravel bags
491-104-75	Hydrant Flushing	East Channel	3/8/2012	9	13,077	2,092,320	0.05	8.2	0	De-chlor,diffuser, gravel bags
490-108-74	Hydrant Flushing	East Channel	3/8/2012	9	13,338	2,134,080	0.06	8.2	0	De-chlor,diffuser, gravel bags
491-105-75	Hydrant Flushing	East Channel	3/8/2012	9	13,419	2,147,040	0.05	8.1	0	De-chlor,diffuser, gravel bags
491-102-75	Hydrant Flushing	East Channel	3/8/2012	12	14,510	2,106,720	0.06	8.2	0	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
491-109-75	Hydrant Flushing	East Channel	3/8/2012	11	16,500	2,160,000	0.04	8.3	0	De-chlor,diffuser, gravel bags
491-112-75	Hydrant Flushing	East Channel	3/15/2012	6	8,778	2,106,720	0.07	8.3	0	De-chlor,diffuser, gravel bags
492-103-75	Hydrant Flushing	East Channel	3/15/2012	8	12,000	2,160,000	0.05	8.1	0	De-chlor,diffuser, gravel bags
492-101-75	Hydrant Flushing	East Channel	3/15/2012	9	13,419	2,147,040	0.05	8.0	0	De-chlor,diffuser, gravel bags
491-107-76	Hydrant Flushing	East Channel	3/15/2012	9	13,500	2,160,000	0.04	8.2	0	De-chlor,diffuser, gravel bags
491-113-75	Hydrant Flushing	East Channel	3/15/2012	11	16,093	2,106,720	0.04	8.5	0	De-chlor,diffuser, gravel bags
491-106-76	Hydrant Flushing	East Channel	3/15/2012	11	16,401	2,147,040	0.04	8.4	0	De-chlor,diffuser, gravel bags
491-108-75	Hydrant Flushing	East Channel	3/15/2012	12	17,892	2,147,040	0.06	8.6	0	De-chlor,diffuser, gravel bags
492-104-75	Hydrant Flushing	East Channel	3/15/2012	12	17,892	2,147,040	0.03	8.2	0	De-chlor,diffuser, gravel bags
492-102-75	Hydrant Flushing	East Channel	3/15/2012	12	17,892	2,147,040	0.06	8.1	0	De-chlor,diffuser, gravel bags
493-106-75	Hydrant Flushing	East Channel	3/20/2012	6	8,544	2,050,560	0.06	8.2	0	De-chlor,diffuser, gravel bags
495-104-74	Hydrant Flushing	East Channel	3/20/2012	6	9,000	2,160,000	0.06	8.0	0	De-chlor,diffuser, gravel bags
495-101-74	Hydrant Flushing	East Channel	3/20/2012	6	9,000	2,160,000	0.06	8.0	0	De-chlor,diffuser, gravel bags
495-105-74	Hydrant Flushing	East Channel	3/20/2012	7	10,500	2,160,000	0.04	8.2	0	De-chlor,diffuser, gravel bags
495-106-74	Hydrant Flushing	East Channel	3/20/2012	8	11,776	2,119,680	0.06	8.1	0	De-chlor,diffuser, gravel bags
494-105-74	Hydrant Flushing	East Channel	3/20/2012	8	12,000	2,160,000	0.05	8.0	0	De-chlor,diffuser, gravel bags
495-103-74	Hydrant Flushing	East Channel	3/20/2012	8	12,072	2,172,960	0.05	8.1	0	De-chlor,diffuser, gravel bags
493-107-75	Hydrant Flushing	East Channel	3/20/2012	9	12,897	2,063,520	0.06	8.2	0	De-chlor,diffuser, gravel bags
493-105-75	Hydrant Flushing	East Channel	3/20/2012	9	12,987	2,077,920	0.05	8.1	0	De-chlor,diffuser, gravel bags
493-108-75	Hydrant Flushing	East Channel	3/20/2012	9	12,987	2,077,920	0.05	8.1	0	De-chlor,diffuser, gravel bags
492-104-75	Hydrant Flushing	East Channel	3/20/2012	9	13,167	2,106,720	0.07	7.6	0	De-chlor,diffuser, gravel bags
495-102-74	Hydrant Flushing	East Channel	3/20/2012	9	13,338	2,134,080	0.05	8.2	0	De-chlor,diffuser, gravel bags
494-102-74	Hydrant Flushing	East Channel	3/20/2012	9	13,581	2,172,960	0.06	8.0	0	De-chlor,diffuser, gravel bags
493-104-74	Hydrant Flushing	East Channel	3/20/2012	11	16,302	2,134,080	0.05	8.0	1	De-chlor,diffuser, gravel bags
493-103-74	Hydrant Flushing	East Channel	3/20/2012	11	16,302	2,134,080	0.06	8.3	0	De-chlor,diffuser, gravel bags
494-103-74	Hydrant Flushing	East Channel	3/20/2012	11	16,599	2,172,960	0.07	7.9	0	De-chlor,diffuser, gravel bags
492-106-75	Hydrant Flushing	East Channel	3/20/2012	13	19,019	2,106,720	0.02	8.3	0	De-chlor,diffuser, gravel bags
494-101-74	Hydrant Flushing	East Channel	3/20/2012	13	19,383	2,147,040	0.06	8.1	1	De-chlor,diffuser, gravel bags
494-104-74	Hydrant Flushing	East Channel	3/20/2012	13	19,617	2,172,960	0.05	8.2	0	De-chlor,diffuser, gravel bags
493-102-74	Hydrant Flushing	East Channel	3/20/2012	14	20,748	2,134,080	0.05	8.2	1	De-chlor,diffuser, gravel bags
496-105-74	Hydrant Flushing	Calabazas Creek	3/21/2012	7	10,437	2,147,040	0.07	8.2	0	De-chlor,diffuser, gravel bags
498-103-74	Hydrant Flushing	Calabazas Creek	3/21/2012	8	11,624	2,092,320	0.06	8.1	0	De-chlor,diffuser, gravel bags
496-104-74	Hydrant Flushing	Calabazas Creek	3/21/2012	8	12,000	2,160,000	0.07	8.3	1	De-chlor,diffuser, gravel bags
498-101-74	Hydrant Flushing	Calabazas Creek	3/21/2012	9	13,419	2,147,040	0.07	8.2	0	De-chlor,diffuser, gravel bags
498-102-74	Hydrant Flushing	Calabazas Creek	3/21/2012	9	13,500	2,160,000	0.07	8.1	0	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
497-102-74	Hydrant Flushing	Calabazas Creek	3/21/2012	11	15,873	2,077,920	0.08	8.0	0	De-chlor,diffuser, gravel bags
503-102-74	Hydrant Flushing	Calabazas Creek	3/21/2012	11	16,401	2,147,040	0.05	8.2	0	De-chlor,diffuser, gravel bags
496-106-74	Hydrant Flushing	Calabazas Creek	3/21/2012	11	16,599	2,172,960	0.09	8.1	0	De-chlor,diffuser, gravel bags
497-104-74	Hydrant Flushing	Calabazas Creek	3/21/2012	11	16,599	2,172,960	0.07	8.0	0	De-chlor,diffuser, gravel bags
496-102-74	Hydrant Flushing	Calabazas Creek	3/21/2012	12	17,892	2,147,040	0.07	7.9	0	De-chlor,diffuser, gravel bags
496-107-75	Hydrant Flushing	Calabazas Creek	3/21/2012	13	18,252	2,021,760	0.05	8.0	0	De-chlor,diffuser, gravel bags
498-104-74	Hydrant Flushing	Calabazas Creek	3/21/2012	13	19,383	2,147,040	0.06	8.3	1	De-chlor,diffuser, gravel bags
503-103-74	Hydrant Flushing	Calabazas Creek	3/21/2012	13	19,383	2,147,040	0.07	8.2	0	De-chlor,diffuser, gravel bags
496-103-74	Hydrant Flushing	Calabazas Creek	3/21/2012	13	19,500	2,160,000	0.05	8.0	1	De-chlor,diffuser, gravel bags
497-101-74	Hydrant Flushing	Calabazas Creek	3/21/2012	13	19,617	2,172,960	0.07	8.1	0	De-chlor,diffuser, gravel bags
496-101-74	Hydrant Flushing	Calabazas Creek	3/21/2012	14	21,000	2,160,000	0.06	8.1	1	De-chlor,diffuser, gravel bags
497-103-74	Hydrant Flushing	Calabazas Creek	3/21/2012	14	21,000	2,160,000	0.05	8.1	0	De-chlor,diffuser, gravel bags
503-101-74	Hydrant Flushing	Calabazas Creek	3/21/2012	15	22,500	2,160,000	0.08	8.1	0	De-chlor,diffuser, gravel bags
505-106-74	Hydrant Flushing	East Channel	3/27/2012	8	11,928	2,147,040	0.06	8.0	0	De-chlor,diffuser, gravel bags
505-102-74	Hydrant Flushing	East Channel	3/27/2012	8	12,072	2,172,960	0.05	8.2	0	De-chlor,diffuser, gravel bags
504-103-74	Hydrant Flushing	Calabazas Creek	3/27/2012	9	13,500	2,160,000	0.05	8.0	0	De-chlor,diffuser, gravel bags
505-105-74	Hydrant Flushing	East Channel	3/27/2012	10	15,000	2,160,000	0.07	8.2	0	De-chlor,diffuser, gravel bags
504-102-74	Hydrant Flushing	Calabazas Creek	3/27/2012	10	15,090	2,172,960	0.06	8.2	0	De-chlor,diffuser, gravel bags
505-103-74	Hydrant Flushing	East Channel	3/27/2012	8	15,152	2,187,360	0.06	8.1	0	De-chlor,diffuser, gravel bags
505-104-74	Hydrant Flushing	East Channel	3/27/2012	12	18,000	2,160,000	0.07	8.2	0	De-chlor,diffuser, gravel bags
505-101-74	Hydrant Flushing	East Channel	3/27/2012	12	18,000	2,160,000	0.06	8.0	0	De-chlor,diffuser, gravel bags
504-104-74	Hydrant Flushing	Calabazas Creek	3/27/2012	12	18,108	2,172,960	0.07	8.0	0	De-chlor,diffuser, gravel bags
504-105-74	Hydrant Flushing	Calabazas Creek	3/27/2012	12	18,228	2,187,360	0.06	8.1	0	De-chlor,diffuser, gravel bags
504-101-74	Hydrant Flushing	Calabazas Creek	3/27/2012	14	21,126	2,172,960	0.06	8.1	0	De-chlor,diffuser, gravel bags
507-104-74	Hydrant Flushing	Calabazas Creek	3/28/2012	7	10,780	2,217,600	0.02	8.7	0	De-chlor,diffuser, gravel bags
507-103-74	Hydrant Flushing	Calabazas Creek	3/28/2012	8	12,320	2,217,600	0.00	8.7	0	De-chlor,diffuser, gravel bags
508-104-74	Hydrant Flushing	Calabazas Creek	3/28/2012	8	12,440	2,239,200	0.11	8.1	0	De-chlor,diffuser, gravel bags
507-101-74	Hydrant Flushing	Calabazas Creek	3/28/2012	8	12,600	2,268,000	0.08	8.1	0	De-chlor,diffuser, gravel bags
507-105-74h	Hydrant Flushing	Calabazas Creek	3/28/2012	9	14,175	2,268,000	0.08	8.3	0	De-chlor,diffuser, gravel bags
506-106-74	Hydrant Flushing	Calabazas Creek	3/28/2012	10	15,550	2,239,200	0.02	8.0	0	De-chlor,diffuser, gravel bags
506-103-74	Hydrant Flushing	Calabazas Creek	3/28/2012	10	15,900	2,289,600	0.06	8.6	1	De-chlor,diffuser, gravel bags
506-101-74	Hydrant Flushing	Calabazas Creek	3/28/2012	10	15,900	2,289,600	0.03	8.1	0	De-chlor,diffuser, gravel bags
506-102-74	Hydrant Flushing	Calabazas Creek	3/28/2012	12	19,080	2,289,600	0.05	8.5	0	De-chlor,diffuser, gravel bags
529-101-75	Hydrant Flushing	East Channel	3/28/2012	15	22,500	2,160,000	0.06	8.7	0	De-chlor,diffuser, gravel bags
529-101-75	Hydrant Flushing	East Channel	3/28/2012	15	22,500	2,160,000	0.03	8.7	0	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
529-101-75	Hydrant Flushing	East Channel	3/28/2012	15	22,500	2,160,000	0.05	8.7	0	De-chlor,diffuser, gravel bags
529-101-75	Hydrant Flushing	East Channel	3/28/2012	15	22,500	2,160,000	0.02	8.4	0	De-chlor,diffuser, gravel bags
496-103-74	Hydrant Flushing	Calabazas Creek	3/28/2012	15	22,500	2,160,000	0.03	8.2	0	De-chlor,diffuser, gravel bags
496-103-74	Hydrant Flushing	Calabazas Creek	3/28/2012	15	22,500	2,160,000	0.04	8.1	0	De-chlor,diffuser, gravel bags
508-105-74	Hydrant Flushing	Calabazas Creek	3/28/2012	15	22,800	2,188,800	0.08	8.0	0	De-chlor,diffuser, gravel bags
506-104-74	Hydrant Flushing	Calabazas Creek	3/28/2012	15	23,100	2,217,600	0.16	8.1	0	De-chlor,diffuser, gravel bags
506-105-74	Hydrant Flushing	Calabazas Creek	3/28/2012	15	23,100	2,217,600	0.01	8.1	0	De-chlor,diffuser, gravel bags
507-102-74	Hydrant Flushing	Calabazas Creek	3/28/2012	15	23,325	2,239,200	0.10	8.7	0	De-chlor,diffuser, gravel bags
511-103-75	Hydrant Flushing	East Channel	4/5/2012	5	7,700	2,217,600	0.02	8.1	0	De-chlor,diffuser, gravel bags
511-104-75	Hydrant Flushing	East Channel	4/5/2012	5	7,700	2,217,600	0.04	8.4	16	De-chlor,diffuser, gravel bags
508-103-75	Hydrant Flushing	East Channel	4/5/2012	6	9,000	2,160,000	0.02	8.1	0	De-chlor,diffuser, gravel bags
508-102-75	Hydrant Flushing	East Channel	4/5/2012	7	10,640	2,188,800	0.01	8.1	3	De-chlor,diffuser, gravel bags
511-102-75	Hydrant Flushing	East Channel	4/5/2012	7	10,780	2,217,600	0.01	8.7	3	De-chlor,diffuser, gravel bags
509-104-75	Hydrant Flushing	East Channel	4/5/2012	7	10,885	2,239,200	0.04	8.1	0	De-chlor,diffuser, gravel bags
508-106-75	Hydrant Flushing	East Channel	4/5/2012	8	12,320	2,217,600	0.04	8.0	0	De-chlor,diffuser, gravel bags
509-108-75	Hydrant Flushing	East Channel	4/5/2012	8	12,400	2,232,000	0.07	8.3	0	De-chlor,diffuser, gravel bags
509-109-75	Hydrant Flushing	East Channel	4/5/2012	8	12,600	2,268,000	0.08	8.3	2	De-chlor,diffuser, gravel bags
511-105-75	Hydrant Flushing	East Channel	4/5/2012	10	14,650	2,109,600	0.02	8.6	11	De-chlor,diffuser, gravel bags
511-101-75	Hydrant Flushing	East Channel	4/5/2012	10	15,550	2,239,200	0.03	8.2	0	De-chlor,diffuser, gravel bags
508-107-75	Hydrant Flushing	East Channel	4/5/2012	10	15,750	2,268,000	0.04	8.5	0	De-chlor,diffuser, gravel bags
509-101-75	Hydrant Flushing	East Channel	4/5/2012	10	15,900	2,289,600	0.02	8.1	0	De-chlor,diffuser, gravel bags
511-108-75	Hydrant Flushing	East Channel	4/5/2012	15	21,075	2,023,200	0.01	8.4	0	De-chlor,diffuser, gravel bags
508-108-75	Hydrant Flushing	East Channel	4/5/2012	15	23,100	2,217,600	0.04	8.1	0	De-chlor,diffuser, gravel bags
511-106-75	Hydrant Flushing	East Channel	4/5/2012	15	23,100	2,217,600	0.02	8.3	5	De-chlor,diffuser, gravel bags
508-101-75	Hydrant Flushing	East Channel	4/5/2012	15	23,325	2,239,200	0.08	8.4	0	De-chlor,diffuser, gravel bags
509-103-75	Hydrant Flushing	East Channel	4/5/2012	15	23,325	2,239,200	0.05	8.7	19	De-chlor,diffuser, gravel bags
511-107-75	Hydrant Flushing	East Channel	4/5/2012	15	23,325	2,239,200	0.05	8.4	0	De-chlor,diffuser, gravel bags
512-104-75	Hydrant Flushing	East Channel	4/9/2012	5	7,500	2,160,000	0.09	8.0	0	De-chlor,diffuser, gravel bags
509-105-75	Hydrant Flushing	East Channel	4/9/2012	5	7,775	2,239,200	0.11	7.8	20	De-chlor,diffuser, gravel bags
512-101-75	Hydrant Flushing	East Channel	4/9/2012	6	9,240	2,217,600	0.02	8.7	1	De-chlor,diffuser, gravel bags
509-106-75	Hydrant Flushing	East Channel	4/9/2012	7	10,640	2,188,800	0.00	8.5	0	De-chlor,diffuser, gravel bags
514-102-75	Hydrant Flushing	West Channel	4/9/2012	8	11,560	2,080,800	0.05	8.5	0	De-chlor,diffuser, gravel bags
510-103-75	Hydrant Flushing	East Channel	4/9/2012	8	12,160	2,188,800	0.02	8.0	1	De-chlor,diffuser, gravel bags
509-107-75	Hydrant Flushing	East Channel	4/9/2012	8	12,320	2,217,600	0.02	7.9	0	De-chlor,diffuser, gravel bags
512-102-75	Hydrant Flushing	East Channel	4/9/2012	8	12,320	2,217,600	0.05	8.1	4	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
514-101-75	Hydrant Flushing	West Channel	4/9/2012	10	14,800	2,131,200	0.06	8.0	1	De-chlor,diffuser, gravel bags
511-109-75	Hydrant Flushing	East Channel	4/9/2012	10	15,400	2,217,600	0.00	8.0	0	De-chlor,diffuser, gravel bags
513-101-75	Hydrant Flushing	West Channel	4/9/2012	10	15,400	2,217,600	0.06	8.7	0	De-chlor,diffuser, gravel bags
509-102-75	Hydrant Flushing	East Channel	4/9/2012	15	22,500	2,160,000	0.03	8.1	7	De-chlor,diffuser, gravel bags
510-102-75	Hydrant Flushing	East Channel	4/9/2012	15	22,800	2,188,800	0.05	7.9	4	De-chlor,diffuser, gravel bags
512-103-75	Hydrant Flushing	East Channel	4/9/2012	15	22,800	2,188,800	0.02	8.5	0	De-chlor,diffuser, gravel bags
513-102-75	Hydrant Flushing	West Channel	4/9/2012	15	22,800	2,188,800	0.18	8.3	0	De-chlor,diffuser, gravel bags
528-103-75	Hydrant Flushing	East Channel	4/11/2012	5	7,225	2,080,800	0.05	8.3	0	De-chlor,diffuser, gravel bags
529-105-75	Hydrant Flushing	East Channel	4/11/2012	6	9,120	2,188,800	0.04	7.8	0	De-chlor,diffuser, gravel bags
528-102-75	Hydrant Flushing	East Channel	4/11/2012	7	10,255	2,109,600	0.03	8.7	1	De-chlor,diffuser, gravel bags
529-103-75	Hydrant Flushing	East Channel	4/11/2012	7	10,500	2,160,000	0.02	8.2	0	De-chlor,diffuser, gravel bags
529-107-75	Hydrant Flushing	East Channel	4/11/2012	8	12,000	2,160,000	0.01	8.7	0	De-chlor,diffuser, gravel bags
529-106-75	Hydrant Flushing	East Channel	4/11/2012	10	15,200	2,188,800	0.05	8.1	0	De-chlor,diffuser, gravel bags
529-101-74	Hydrant Flushing	East Channel	4/11/2012	10	15,400	2,217,600	0.01	7.8	0	De-chlor,diffuser, gravel bags
528-101-75	Hydrant Flushing	East Channel	4/11/2012	15	21,975	2,109,600	0.07	7.9	7	De-chlor,diffuser, gravel bags
529-104-75	Hydrant Flushing	East Channel	4/11/2012	15	23,100	2,217,600	0.07	8.3	0	De-chlor,diffuser, gravel bags
545-101-75	Hydrant Flushing	Calabazas Creek	5/1/2012	5	7,775	2,239,200	0.09	8.3	27	De-chlor,diffuser, gravel bags
533-104-75	Hydrant Flushing	East Channel	5/1/2012	5	7,950	2,289,600	0.03	8.3	3	De-chlor,diffuser, gravel bags
543-102-75	Hydrant Flushing	Calabazas Creek	5/1/2012	5	7,950	2,289,600	0.24	8.1	20	De-chlor,diffuser, gravel bags
549-102-75	Hydrant Flushing	East Channel	5/1/2012	7	10,885	2,239,200	0.05	8.2	3	De-chlor,diffuser, gravel bags
533-102-75	Hydrant Flushing	East Channel	5/1/2012	7	11,130	2,289,600	0.00	8.1	10	De-chlor,diffuser, gravel bags
536-103-75	Hydrant Flushing	Calabazas Creek	5/1/2012	8	12,440	2,239,200	0.04	8.7	52	De-chlor,diffuser, gravel bags
535-102-75	Hydrant Flushing	Calabazas Creek	5/1/2012	8	12,440	2,239,200	0.04	8.5	2	De-chlor,diffuser, gravel bags
544-101-75	Hydrant Flushing	Calabazas Creek	5/1/2012	8	12,440	2,239,200	0.07	8.3	38	De-chlor,diffuser, gravel bags
549-104-75	Hydrant Flushing	East Channel	5/1/2012	8	12,440	2,239,200	0.00	8.4	9	De-chlor,diffuser, gravel bags
533-103-75	Hydrant Flushing	East Channel	5/1/2012	8	12,624	2,272,320	0.03	8.0	0	De-chlor,diffuser, gravel bags
535-101-75	Hydrant Flushing	Calabazas Creek	5/1/2012	10	15,550	2,239,200	0.15	8.0	3	De-chlor,diffuser, gravel bags
545-102-75	Hydrant Flushing	Calabazas Creek	5/1/2012	10	15,550	2,239,200	0.09	8.2	36	De-chlor,diffuser, gravel bags
549-101-76	Hydrant Flushing	Calabazas Creek	5/1/2012	10	15,550	2,239,200	0.07	8.2	5	De-chlor,diffuser, gravel bags
533-101-75	Hydrant Flushing	East Channel	5/1/2012	10	15,750	2,268,000	0.05	8.0	85	De-chlor,diffuser, gravel bags
544-102-75	Hydrant Flushing	Calabazas Creek	5/1/2012	10	15,750	2,268,000	0.21	8.3	26	De-chlor,diffuser, gravel bags
549-103-75	Hydrant Flushing	East Channel	5/1/2012	10	15,750	2,268,000	0.04	8.4	8	De-chlor,diffuser, gravel bags
545-104-75	Hydrant Flushing	Calabazas Creek	5/1/2012	12	18,660	2,268,000	0.04	8.2	32	De-chlor,diffuser, gravel bags
545-105-75	Hydrant Flushing	Calabazas Creek	5/1/2012	15	23,100	2,217,600	0.02	8.2	2	De-chlor,diffuser, gravel bags
545-103-75	Hydrant Flushing	Calabazas Creek	5/1/2012	15	23,325	2,239,200	0.05	8.5	11	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
533-109-75	Hydrant Flushing	East Channel	5/1/2012	15	23,625	2,268,000	0.03	8.7	10	De-chlor,diffuser, gravel bags
533-100-75	Hydrant Flushing	East Channel	5/1/2012	15	23,850	2,289,600	0.01	8.3	27	De-chlor,diffuser, gravel bags
543-101-75	Hydrant Flushing	Calabazas Creek	5/1/2012	15	23,850	2,289,600	0.06	8.1	30	De-chlor,diffuser, gravel bags
550-105-75	Hydrant Flushing	West Channel	5/8/2012	5	7,600	2,188,800	0.01	8.2	7	De-chlor,diffuser, gravel bags
551-104-75	Hydrant Flushing	West Channel	5/8/2012	5	7,950	2,289,600	0.02	8.4	0	De-chlor,diffuser, gravel bags
551-105-75	Hydrant Flushing	West Channel	5/8/2012	5	7,950	2,289,600	0.14	8.1	1	De-chlor,diffuser, gravel bags
550-106-75	Hydrant Flushing	West Channel	5/8/2012	6	9,330	2,239,200	0.16	8.6	4	De-chlor,diffuser, gravel bags
570-101-75	Hydrant Flushing	West Channel	5/8/2012	6	9,450	2,268,000	0.03	8.2	2	De-chlor,diffuser, gravel bags
571-101-75	Hydrant Flushing	West Channel	5/8/2012	7	11,025	2,268,000	0.05	8.5	0	De-chlor,diffuser, gravel bags
571-105-75	Hydrant Flushing	West Channel	5/8/2012	8	12,000	2,160,000	0.08	8.3	2	De-chlor,diffuser, gravel bags
550-104-75	Hydrant Flushing	West Channel	5/8/2012	8	12,160	2,188,800	0.03	7.9	13	De-chlor,diffuser, gravel bags
549-111-75	Hydrant Flushing	West Channel	5/8/2012	8	12,600	2,268,000	0.00	8.1	19	De-chlor,diffuser, gravel bags
570-102-75	Hydrant Flushing	West Channel	5/8/2012	8	12,600	2,268,000	0.02	8.3	4	De-chlor,diffuser, gravel bags
571-103-75	Hydrant Flushing	West Channel	5/8/2012	10	15,000	2,160,000	0.06	8.7	5	De-chlor,diffuser, gravel bags
550-109-75	Hydrant Flushing	West Channel	5/8/2012	10	15,550	2,239,200	0.02	8.1	7	De-chlor,diffuser, gravel bags
550-102-75	Hydrant Flushing	West Channel	5/8/2012	10	15,550	2,239,200	0.04	8.1	29	De-chlor,diffuser, gravel bags
572-101-75	Hydrant Flushing	West Channel	5/8/2012	10	15,550	2,239,200	0.12	8.1	5	De-chlor,diffuser, gravel bags
570-103-75	Hydrant Flushing	West Channel	5/8/2012	10	15,750	2,268,000	0.08	8.6	7	De-chlor,diffuser, gravel bags
550-107-75	Hydrant Flushing	West Channel	5/8/2012	10	15,750	2,268,000	0.02	8.7	4	De-chlor,diffuser, gravel bags
550-103-75	Hydrant Flushing	West Channel	5/8/2012	10	15,900	2,289,600	0.10	8.3	5	De-chlor,diffuser, gravel bags
551-106-75	Hydrant Flushing	West Channel	5/8/2012	10	15,900	2,289,600	0.05	8.6	0	De-chlor,diffuser, gravel bags
571-102-75	Hydrant Flushing	West Channel	5/8/2012	10	15,900	2,289,600	0.03	8.7	0	De-chlor,diffuser, gravel bags
551-103-75	Hydrant Flushing	West Channel	5/8/2012	15	23,325	2,239,200	0.05	8.3	2	De-chlor,diffuser, gravel bags
571-104-75	Hydrant Flushing	West Channel	5/8/2012	15	23,325	2,239,200	0.08	8.7	28	De-chlor,diffuser, gravel bags
549-110-75	Hydrant Flushing	West Channel	5/8/2012	15	23,850	2,289,600	0.06	8.2	0	De-chlor,diffuser, gravel bags
538-102-75	Hydrant Flushing	Calabazas Creek	5/12/2012	5	7,500	2,160,000	0.01	8.2	16	De-chlor,diffuser, gravel bags
538-101-75	Hydrant Flushing	Calabazas Creek	5/12/2012	5	7,775	2,239,200	0.05	8.0	19	De-chlor,diffuser, gravel bags
537-109-75	Hydrant Flushing	Calabazas Creek	5/12/2012	5	7,776	2,239,200	0.12	8.1	7	De-chlor,diffuser, gravel bags
537-110-75	Hydrant Flushing	Calabazas Creek	5/12/2012	6	9,330	2,239,200	0.04	8.4	23	De-chlor,diffuser, gravel bags
533-108-75	Hydrant Flushing	East Channel	5/12/2012	8	12,160	2,188,800	0.02	8.7	3	De-chlor,diffuser, gravel bags
534-107-75	Hydrant Flushing	Calabazas Creek	5/12/2012	8	12,440	2,239,200	0.00	8.3	0	De-chlor,diffuser, gravel bags
537-108-75	Hydrant Flushing	Calabazas Creek	5/12/2012	8	12,440	2,239,200	0.04	8.6	7	De-chlor,diffuser, gravel bags
533-112-75	Hydrant Flushing	East Channel	5/12/2012	10	15,200	2,188,800	0.01	8.3	3	De-chlor,diffuser, gravel bags
536-109-75	Hydrant Flushing	Calabazas Creek	5/12/2012	10	15,400	2,217,600	0.01	8.7	2	De-chlor,diffuser, gravel bags
536-102-75	Hydrant Flushing	Calabazas Creek	5/12/2012	10	15,550	2,239,200	0.31	8.2	3	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
537-101-75	Hydrant Flushing	Calabazas Creek	5/12/2012	10	15,550	2,239,200	0.03	8.7	8	De-chlor,diffuser, gravel bags
533-111-75	Hydrant Flushing	East Channel	5/12/2012	15	21,075	2,023,200	0.02	8.7	2	De-chlor,diffuser, gravel bags
534-109-75	Hydrant Flushing	Calabazas Creek	5/12/2012	15	23,100	2,217,600	0.01	8.7	1	De-chlor,diffuser, gravel bags
534-106-75	Hydrant Flushing	Calabazas Creek	5/12/2012	15	23,325	2,239,200	0.02	8.7	5	De-chlor,diffuser, gravel bags
534-108-75	Hydrant Flushing	Calabazas Creek	5/12/2012	15	23,325	2,239,200	0.04	7.7	6	De-chlor,diffuser, gravel bags
535-107-75	Hydrant Flushing	Calabazas Creek	5/12/2012	15	23,325	2,239,200	0.05	8.2	5	De-chlor,diffuser, gravel bags
535-109-75	Hydrant Flushing	Calabazas Creek	5/12/2012	15	23,325	2,239,200	0.03	8.6	6	De-chlor,diffuser, gravel bags
535-110-75	Hydrant Flushing	Calabazas Creek	5/12/2012	15	23,325	2,239,200	0.07	8.4	18	De-chlor,diffuser, gravel bags
535-111-75	Hydrant Flushing	Calabazas Creek	5/12/2012	15	23,325	2,239,200	0.02	8.4	5	De-chlor,diffuser, gravel bags
536-108-75	Hydrant Flushing	Calabazas Creek	5/12/2012	15	23,325	2,239,200	0.01	8.7	3	De-chlor,diffuser, gravel bags
535-108-75	Hydrant Flushing	Calabazas Creek	5/12/2012	15	23,625	2,268,000	0.07	8.7	1	De-chlor,diffuser, gravel bags
536-107-75	Hydrant Flushing	Calabazas Creek	5/12/2012	15	23,850	2,289,600	0.01	8.2	3	De-chlor,diffuser, gravel bags
536-101-75	Hydrant Flushing	Calabazas Creek	5/12/2012	15	23,850	2,289,600	0.06	7.8	6	De-chlor,diffuser, gravel bags
534-105-75	Hydrant Flushing	East Channel	5/13/2012	5	7,700	2,217,600	0.15	8.5	5	De-chlor,diffuser, gravel bags
533-113-75	Hydrant Flushing	East Channel	5/13/2012	5	7,775	2,239,200	0.11	8.1	5	De-chlor,diffuser, gravel bags
533-107-75	Hydrant Flushing	East Channel	5/13/2012	7	10,885	2,239,200	0.00	8.1	5	De-chlor,diffuser, gravel bags
533-106-75	Hydrant Flushing	East Channel	5/13/2012	8	12,160	2,188,800	0.02	8.5	0	De-chlor,diffuser, gravel bags
537-103-75	Hydrant Flushing	Calabazas Creek	5/13/2012	8	12,320	2,217,600	0.01	8.1	6	De-chlor,diffuser, gravel bags
536-105-75	Hydrant Flushing	Calabazas Creek	5/13/2012	10	15,200	2,188,800	0.05	8.7	16	De-chlor,diffuser, gravel bags
537-102-75	Hydrant Flushing	Calabazas Creek	5/13/2012	10	15,550	2,239,200	0.05	8.1	6	De-chlor,diffuser, gravel bags
535-105-75	Hydrant Flushing	Calabazas Creek	5/13/2012	10	15,550	2,239,200	0.05	8.5	1	De-chlor,diffuser, gravel bags
536-106-75	Hydrant Flushing	Calabazas Creek	5/13/2012	10	15,750	2,268,000	0.12	8.1	6	De-chlor,diffuser, gravel bags
535-106-75	Hydrant Flushing	East Channel	5/13/2012	10	15,750	2,268,000	0.00	8.7	9	De-chlor,diffuser, gravel bags
537-107-75	Hydrant Flushing	Calabazas Creek	5/13/2012	15	22,500	2,160,000	0.04	8.0	5	De-chlor,diffuser, gravel bags
536-104-75	Hydrant Flushing	Calabazas Creek	5/13/2012	15	22,800	2,188,800	0.05	8.5	1	De-chlor,diffuser, gravel bags
535-112-75	Hydrant Flushing	East Channel	5/13/2012	15	22,800	2,188,800	0.02	8.5	9	De-chlor,diffuser, gravel bags
537-104-75	Hydrant Flushing	Calabazas Creek	5/13/2012	15	23,100	2,217,600	0.05	8.7	15	De-chlor,diffuser, gravel bags
537-105-75	Hydrant Flushing	Calabazas Creek	5/13/2012	15	23,100	2,217,600	0.14	8.7	0	De-chlor,diffuser, gravel bags
537-106-75	Hydrant Flushing	Calabazas Creek	5/13/2012	15	23,100	2,217,600	0.05	8.1	2	De-chlor,diffuser, gravel bags
534-102-75	Hydrant Flushing	East Channel	5/13/2012	15	23,100	2,217,600	0.20	8.7	0	De-chlor,diffuser, gravel bags
534-103-75	Hydrant Flushing	East Channel	5/13/2012	15	23,100	2,217,600	0.25	8.7	3	De-chlor,diffuser, gravel bags
534-104-75	Hydrant Flushing	East Channel	5/13/2012	15	23,100	2,217,600	0.11	8.5	3	De-chlor,diffuser, gravel bags
535-103-75	Hydrant Flushing	Calabazas Creek	5/13/2012	15	23,325	2,239,200	0.03	8.7	15	De-chlor,diffuser, gravel bags
535-104-75	Hydrant Flushing	Calabazas Creek	5/13/2012	15	23,625	2,268,000	0.05	8.5	15	De-chlor,diffuser, gravel bags
534-101-75	Hydrant Flushing	East Channel	5/13/2012	15	23,625	2,268,000	0.02	8.5	11	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
549-108-75	Hydrant Flushing	West Channel	5/14/2012	7	10,885	2,239,200	0.06	7.9	0	De-chlor,diffuser, gravel bags
532-103-75	Hydrant Flushing	West Channel	5/14/2012	8	12,160	2,188,800	0.03	8.7	1	De-chlor,diffuser, gravel bags
551-102-75	Hydrant Flushing	West Channel	5/14/2012	8	12,320	2,217,600	0.03	8.0	0	De-chlor,diffuser, gravel bags
549-106-75	Hydrant Flushing	West Channel	5/14/2012	10	15,200	2,188,800	0.01	8.2	0	De-chlor,diffuser, gravel bags
549-107-75	Hydrant Flushing	West Channel	5/14/2012	10	15,200	2,188,800	0.02	8.7	1	De-chlor,diffuser, gravel bags
572-106-75	Hydrant Flushing	West Channel	5/14/2012	10	15,400	2,217,600	0.06	8.3	41	De-chlor,diffuser, gravel bags
572-107-75	Hydrant Flushing	West Channel	5/14/2012	10	15,400	2,217,600	0.06	8.7	2	De-chlor,diffuser, gravel bags
532-102-75	Hydrant Flushing	West Channel	5/14/2012	10	15,550	2,239,200	0.05	8.7	2	De-chlor,diffuser, gravel bags
550-101-75	Hydrant Flushing	West Channel	5/14/2012	10	15,550	2,239,200	0.02	8.0	6	De-chlor,diffuser, gravel bags
572-103-75	Hydrant Flushing	West Channel	5/14/2012	10	15,750	2,268,000	0.02	8.2	4	De-chlor,diffuser, gravel bags
572-104-75	Hydrant Flushing	West Channel	5/14/2012	10	15,750	2,268,000	0.06	8.2	11	De-chlor,diffuser, gravel bags
572-105-75	Hydrant Flushing	West Channel	5/14/2012	15	22,500	2,160,000	0.05	8.0	15	De-chlor,diffuser, gravel bags
532-104-75	Hydrant Flushing	West Channel	5/14/2012	15	23,100	2,217,600	0.01	8.7	0	De-chlor,diffuser, gravel bags
549-105-75	Hydrant Flushing	West Channel	5/14/2012	15	23,325	2,239,200	0.09	8.7	9	De-chlor,diffuser, gravel bags
549-109-75	Hydrant Flushing	West Channel	5/14/2012	15	23,325	2,239,200	0.03	8.4	1	De-chlor,diffuser, gravel bags
551-101-75	Hydrant Flushing	West Channel	5/14/2012	15	23,325	2,239,200	0.04	8.7	4	De-chlor,diffuser, gravel bags
578-102-75	Hydrant Flushing	East Channel	5/15/2012	5	7,775	2,239,200	0.11	8.7	10	De-chlor,diffuser, gravel bags
577-109-75	Hydrant Flushing	Calabazas Creek	5/15/2012	5	7,875	2,268,000	0.02	8.5	0	De-chlor,diffuser, gravel bags
573-101-75	Hydrant Flushing	East Channel	5/15/2012	7	11,130	2,289,600	0.07	8.6	2	De-chlor,diffuser, gravel bags
583-103-75	Hydrant Flushing	Calabazas Creek	5/15/2012	8	12,320	2,217,600	0.04	8.3	10	De-chlor,diffuser, gravel bags
577-107-75	Hydrant Flushing	Calabazas Creek	5/15/2012	8	12,440	2,239,200	0.07	8.2	19	De-chlor,diffuser, gravel bags
578-104-75	Hydrant Flushing	East Channel	5/15/2012	8	12,600	2,268,000	0.18	8.7	30	De-chlor,diffuser, gravel bags
583-105-75	Hydrant Flushing	Calabazas Creek	5/15/2012	10	15,200	2,188,800	0.07	8.5	47	De-chlor,diffuser, gravel bags
573-106-75	Hydrant Flushing	East Channel	5/15/2012	10	15,400	2,217,600	0.06	8.5	6	De-chlor,diffuser, gravel bags
578-101-75	Hydrant Flushing	East Channel	5/15/2012	10	15,550	2,239,200	0.05	8.3	9	De-chlor,diffuser, gravel bags
578-103-75	Hydrant Flushing	East Channel	5/15/2012	10	15,750	2,268,000	0.01	8.4	22	De-chlor,diffuser, gravel bags
583-102-75	Hydrant Flushing	Calabazas Creek	5/15/2012	10	15,750	2,268,000	0.07	8.7	21	De-chlor,diffuser, gravel bags
577-108-75	Hydrant Flushing	Calabazas Creek	5/15/2012	10	15,750	2,268,000	0.09	8.7	17	De-chlor,diffuser, gravel bags
583-106-75	Hydrant Flushing	Calabazas Creek	5/15/2012	12	18,240	2,188,800	0.04	8.7	24	De-chlor,diffuser, gravel bags
573-105-75	Hydrant Flushing	East Channel	5/15/2012	15	23,100	2,217,600	0.03	8.7	2	De-chlor,diffuser, gravel bags
578-106-75	Hydrant Flushing	Calabazas Creek	5/15/2012	15	23,100	2,217,600	0.06	8.5	8	De-chlor,diffuser, gravel bags
577-110-75	Hydrant Flushing	Calabazas Creek	5/15/2012	15	23,100	2,217,600	0.03	8.5	0	De-chlor,diffuser, gravel bags
583-104-75	Hydrant Flushing	Calabazas Creek	5/15/2012	15	23,325	2,239,200	0.10	8.7	40	De-chlor,diffuser, gravel bags
578-105-75	Hydrant Flushing	Calabazas Creek	5/15/2012	15	23,625	2,268,000	0.02	8.6	0	De-chlor,diffuser, gravel bags
583-101-75	Hydrant Flushing	Calabazas Creek	5/15/2012	15	23,850	2,217,600	0.11	8.1	12	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
112-402-75	Hydrant Flushing	East Channel	5/17/2012	7	3,990	820,800	0.58	8.0	38	De-chlor,diffuser, gravel bags
112-401-75	Hydrant Flushing	East Channel	5/17/2012	8	4,720	849,600	0.71	7.3	44	De-chlor,diffuser, gravel bags
113-402-75	Hydrant Flushing	East Channel	5/21/2012	8	4,200	756,000	0.14	7.8	19	De-chlor,diffuser, gravel bags
113-403-75	Hydrant Flushing	East Channel	5/21/2012	10	5,250	756,000	0.55	7.8	18	De-chlor,diffuser, gravel bags
575-102-75	Hydrant Flushing	Calabazas Creek	5/23/2012	5	7,600	2,188,800	0.05	8.7	0	De-chlor,diffuser, gravel bags
574-102-75	Hydrant Flushing	East Channel	5/23/2012	5	7,775	2,239,200	0.04	8.3	0	De-chlor,diffuser, gravel bags
575-103-75	Hydrant Flushing	Calabazas Creek	5/23/2012	5	7,775	2,239,200	0.06	8.7	0	De-chlor,diffuser, gravel bags
576-103-75	Hydrant Flushing	Calabazas Creek	5/23/2012	5	7,875	2,268,000	0.11	8.7	3	De-chlor,diffuser, gravel bags
577-102-75	Hydrant Flushing	Calabazas Creek	5/23/2012	5	7,950	2,289,600	0.06	8.7	4	De-chlor,diffuser, gravel bags
576-104-75	Hydrant Flushing	Calabazas Creek	5/23/2012	7	10,780	2,217,600	0.05	8.7	23	De-chlor,diffuser, gravel bags
574-103-75	Hydrant Flushing	East Channel	5/23/2012	8	12,320	2,217,600	0.06	8.4	1	De-chlor,diffuser, gravel bags
574-107-75	Hydrant Flushing	East Channel	5/23/2012	8	12,320	2,217,600	0.02	8.6	6	De-chlor,diffuser, gravel bags
576-106-75	Hydrant Flushing	Calabazas Creek	5/23/2012	8	12,600	2,268,000	0.01	8.5	1	De-chlor,diffuser, gravel bags
576-102-75	Hydrant Flushing	Calabazas Creek	5/23/2012	8	12,600	2,268,000	0.03	8.7	3	De-chlor,diffuser, gravel bags
578-104-75	Hydrant Flushing	East Channel	5/23/2012	10	15,550	2,239,200	0.05	8.3	0	De-chlor,diffuser, gravel bags
576-105-75	Hydrant Flushing	Calabazas Creek	5/23/2012	10	15,550	2,239,200	0.06	8.7	6	De-chlor,diffuser, gravel bags
577-103-75	Hydrant Flushing	Calabazas Creek	5/23/2012	10	15,550	2,239,200	0.02	8.7	0	De-chlor,diffuser, gravel bags
576-101-75	Hydrant Flushing	Calabazas Creek	5/23/2012	10	15,900	2,289,600	0.04	8.5	1	De-chlor,diffuser, gravel bags
574-106-75	Hydrant Flushing	East Channel	5/23/2012	13	20,020	2,217,600	0.02	8.7	6	De-chlor,diffuser, gravel bags
574-101-75	Hydrant Flushing	East Channel	5/23/2012	15	22,800	2,188,800	0.07	8.7	2	De-chlor,diffuser, gravel bags
573-103-75	Hydrant Flushing	East Channel	5/23/2012	15	23,325	2,239,200	0.05	8.0	1	De-chlor,diffuser, gravel bags
575-101-75	Hydrant Flushing	Calabazas Creek	5/23/2012	15	23,325	2,239,200	0.01	8.7	1	De-chlor,diffuser, gravel bags
574-105-75	Hydrant Flushing	Calabazas Creek	5/23/2012	15	23,325	2,289,600	0.04	8.7	2	De-chlor,diffuser, gravel bags
577-101-75	Hydrant Flushing	Calabazas Creek	5/23/2012	15	23,625	2,268,000	0.06	8.4	17	De-chlor,diffuser, gravel bags
574-104-75	Hydrant Flushing	East Channel	5/23/2012	15	23,850	2,289,600	0.04	8.7	10	De-chlor,diffuser, gravel bags
113-404-75	Hydrant Flushing	East Channel	5/24/2012	7	3,850	792,000	0.54	7.4	19	De-chlor,diffuser, gravel bags
118-401-75	Hydrant Flushing	East Channel	5/24/2012	9	4,725	756,000	0.55	7.7	3	De-chlor,diffuser, gravel bags
113-406-75	Hydrant Flushing	East Channel	5/24/2012	10	5,050	727,200	0.59	7.7	7	De-chlor,diffuser, gravel bags
118-402-75	Hydrant Flushing	East Channel	5/30/2012	8	4,720	849,600	0.65	7.6	13	De-chlor,diffuser, gravel bags
113-401-75	Hydrant Flushing	East Channel	5/31/2012	8	4,040	727,200	0.54	8.0	10	De-chlor,diffuser, gravel bags
118-405-75	Hydrant Flushing	East Channel	5/31/2012	10	4,800	691,200	0.56	7.4	27	De-chlor,diffuser, gravel bags
584-105-75	Hydrant Flushing	Calabazas Creek	6/4/2012	5	7,875	2,268,000	0.07	8.7	1	De-chlor,diffuser, gravel bags
587-106-75	Hydrant Flushing	Calabazas Creek	6/4/2012	7	10,885	2,239,200	0.02	8.3	21	De-chlor,diffuser, gravel bags
587-107-75	Hydrant Flushing	Calabazas Creek	6/4/2012	8	12,440	2,239,200	0.05	8.7	32	De-chlor,diffuser, gravel bags
584-102-75	Hydrant Flushing	Calabazas Creek	6/4/2012	8	12,600	2,268,000	0.03	8.7	5	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
587-102-75	Hydrant Flushing	Calabazas Creek	6/4/2012	8	12,600	2,268,000	0.05	8.6	32	De-chlor,diffuser, gravel bags
585-103-75	Hydrant Flushing	Calabazas Creek	6/4/2012	10	15,200	2,188,800	0.06	8.2	32	De-chlor,diffuser, gravel bags
584-101-75	Hydrant Flushing	Calabazas Creek	6/4/2012	10	15,550	2,239,200	0.06	8.7	1	De-chlor,diffuser, gravel bags
584-107-75	Hydrant Flushing	Calabazas Creek	6/4/2012	10	15,550	2,239,200	0.08	8.5	1	De-chlor,diffuser, gravel bags
587-104-75	Hydrant Flushing	Calabazas Creek	6/4/2012	10	15,550	2,239,200	0.07	8.3	50	De-chlor,diffuser, gravel bags
584-104-75	Hydrant Flushing	Calabazas Creek	6/4/2012	10	15,900	2,289,600	0.03	8.7	4	De-chlor,diffuser, gravel bags
585-101-75	Hydrant Flushing	Calabazas Creek	6/4/2012	10	15,900	2,289,600	0.02	8.7	2	De-chlor,diffuser, gravel bags
587-103-75	Hydrant Flushing	Calabazas Creek	6/4/2012	15	23,100	2,217,600	0.04	8.7	17	De-chlor,diffuser, gravel bags
587-101-75	Hydrant Flushing	Calabazas Creek	6/4/2012	15	23,100	2,217,600	0.11	8.7	56	De-chlor,diffuser, gravel bags
584-106-75	Hydrant Flushing	Calabazas Creek	6/4/2012	15	23,325	2,239,200	0.08	8.7	13	De-chlor,diffuser, gravel bags
584-108-75	Hydrant Flushing	Calabazas Creek	6/4/2012	15	23,325	2,239,200	0.04	8.7	11	De-chlor,diffuser, gravel bags
584-103-75	Hydrant Flushing	Calabazas Creek	6/4/2012	15	23,625	2,268,000	0.07	8.7	5	De-chlor,diffuser, gravel bags
585-102-75	Hydrant Flushing	Calabazas Creek	6/4/2012	15	23,625	2,268,000	0.04	8.7	15	De-chlor,diffuser, gravel bags
587-105-75	Hydrant Flushing	Calabazas Creek	6/4/2012	15	23,625	2,268,000	0.06	8.2	21	De-chlor,diffuser, gravel bags
589-110-75	Hydrant Flushing	West Channel	6/5/2012	6	9,540	2,289,600	0.06	7.7	6	De-chlor,diffuser, gravel bags
589-109-75	Hydrant Flushing	West Channel	6/5/2012	8	12,600	2,268,000	0.10	8.3	1	De-chlor,diffuser, gravel bags
588-105-75	Hydrant Flushing	East Channel	6/5/2012	8	12,720	2,289,600	0.06	8.7	1	De-chlor,diffuser, gravel bags
589-114-75	Hydrant Flushing	West Channel	6/5/2012	10	15,200	2,188,800	0.09	8.1	26	De-chlor,diffuser, gravel bags
589-111-75	Hydrant Flushing	West Channel	6/5/2012	10	15,550	2,239,200	0.09	8.1	2	De-chlor,diffuser, gravel bags
590-102-75	Hydrant Flushing	West Channel	6/5/2012	10	15,550	2,239,200	0.09	8.3	23	De-chlor,diffuser, gravel bags
590-103-75	Hydrant Flushing	West Channel	6/5/2012	10	15,550	2,239,200	0.13	8.5	2	De-chlor,diffuser, gravel bags
588-106-75	Hydrant Flushing	West Channel	6/5/2012	10	15,750	2,268,000	0.10	8.2	1	De-chlor,diffuser, gravel bags
589-113-75	Hydrant Flushing	West Channel	6/5/2012	10	15,750	2,268,000	0.04	8.7	6	De-chlor,diffuser, gravel bags
588-102-75	Hydrant Flushing	East Channel	6/5/2012	10	15,900	2,289,600	0.01	8.1	7	De-chlor,diffuser, gravel bags
588-104-75	Hydrant Flushing	East Channel	6/5/2012	10	15,900	2,289,600	0.07	8.0	2	De-chlor,diffuser, gravel bags
589-115-75	Hydrant Flushing	West Channel	6/5/2012	10	15,900	2,289,600	0.04	8.3	13	De-chlor,diffuser, gravel bags
590-106-75	Hydrant Flushing	West Channel	6/5/2012	10	15,900	2,289,600	0.04	8.3	3	De-chlor,diffuser, gravel bags
588-103-75	Hydrant Flushing	East Channel	6/5/2012	10	16,106	2,318,400	0.07	8.6	5	De-chlor,diffuser, gravel bags
589-112-75	Hydrant Flushing	West Channel	6/5/2012	15	23,325	2,239,200	0.07	8.7	2	De-chlor,diffuser, gravel bags
590-101-75	Hydrant Flushing	West Channel	6/5/2012	15	23,623	2,268,000	0.04	8.5	2	De-chlor,diffuser, gravel bags
588-101-75	Hydrant Flushing	East Channel	6/5/2012	15	23,850	2,289,600	0.05	8.3	10	De-chlor,diffuser, gravel bags
590-104-75	Hydrant Flushing	West Channel	6/5/2012	15	23,850	2,289,600	0.04	8.7	1	De-chlor,diffuser, gravel bags
590-105-75	Hydrant Flushing	West Channel	6/5/2012	15	23,850	2,289,600	0.08	8.7	0	De-chlor,diffuser, gravel bags
612-106-75	Hydrant Flushing	West Channel	6/6/2012	7	11,270	2,318,400	0.03	8.7	0	De-chlor,diffuser, gravel bags
612-104-75	Hydrant Flushing	West Channel	6/6/2012	8	12,880	2,318,400	0.06	8.7	1	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
612-105-75	Hydrant Flushing	West Channel	6/6/2012	10	15,750	2,268,000	0.03	8.7	0	De-chlor,diffuser, gravel bags
591-102-75	Hydrant Flushing	West Channel	6/6/2012	10	16,100	2,318,400	0.08	8.7	5	De-chlor,diffuser, gravel bags
612-101-75	Hydrant Flushing	West Channel	6/6/2012	10	16,100	2,318,400	0.04	8.6	9	De-chlor,diffuser, gravel bags
612-102-75	Hydrant Flushing	West Channel	6/6/2012	10	16,100	2,318,400	0.08	8.4	1	De-chlor,diffuser, gravel bags
612-103-75	Hydrant Flushing	West Channel	6/6/2012	10	16,100	2,318,400	0.07	8.7	0	De-chlor,diffuser, gravel bags
610-108-75	Hydrant Flushing	West Channel	6/6/2012	10	16,250	2,340,000	0.03	8.7	3	De-chlor,diffuser, gravel bags
591-101-75	Hydrant Flushing	West Channel	6/6/2012	15	23,850	2,289,600	0.05	8.7	0	De-chlor,diffuser, gravel bags
591-103-75	Hydrant Flushing	West Channel	6/6/2012	15	23,850	2,289,600	0.06	8.7	0	De-chlor,diffuser, gravel bags
591-104-75	Hydrant Flushing	West Channel	6/6/2012	15	23,850	2,289,600	0.05	8.7	2	De-chlor,diffuser, gravel bags
610-107-75	Hydrant Flushing	West Channel	6/6/2012	15	24,150	2,318,400	0.09	8.5	0	De-chlor,diffuser, gravel bags
589-102-75	Hydrant Flushing	West Channel	6/11/2012	10	15,550	2,239,200	0.04	8.4	0	De-chlor,diffuser, gravel bags
613-104-75	Hydrant Flushing	West Channel	6/11/2012	10	15,550	2,239,200	0.03	8.7	8	De-chlor,diffuser, gravel bags
589-101-75	Hydrant Flushing	West Channel	6/11/2012	10	15,750	2,268,000	0.07	8.3	7	De-chlor,diffuser, gravel bags
589-105-75	Hydrant Flushing	West Channel	6/11/2012	10	15,750	2,268,000	0.04	8.3	22	De-chlor,diffuser, gravel bags
589-107-75	Hydrant Flushing	West Channel	6/11/2012	10	15,750	2,268,000	0.04	8.7	0	De-chlor,diffuser, gravel bags
589-106-75	Hydrant Flushing	West Channel	6/11/2012	10	15,900	2,289,600	0.13	8.7	12	De-chlor,diffuser, gravel bags
610-110-75	Hydrant Flushing	West Channel	6/11/2012	10	15,900	2,289,600	0.04	8.7	0	De-chlor,diffuser, gravel bags
610-112-75	Hydrant Flushing	West Channel	6/11/2012	10	15,900	2,289,600	0.05	8.4	0	De-chlor,diffuser, gravel bags
614-103-75	Hydrant Flushing	West Channel	6/11/2012	10	15,900	2,289,600	0.06	8.7	9	De-chlor,diffuser, gravel bags
613-101-75	Hydrant Flushing	West Channel	6/11/2012	10	16,100	2,318,400	0.12	8.7	3	De-chlor,diffuser, gravel bags
613-103-75	Hydrant Flushing	West Channel	6/11/2012	15	23,325	2,239,200	0.04	8.4	11	De-chlor,diffuser, gravel bags
589-104-75	Hydrant Flushing	West Channel	6/11/2012	15	23,625	2,268,000	0.04	8.7	0	De-chlor,diffuser, gravel bags
610-111-75	Hydrant Flushing	West Channel	6/11/2012	15	23,625	2,268,000	0.05	8.7	2	De-chlor,diffuser, gravel bags
614-102-75	Hydrant Flushing	West Channel	6/11/2012	15	23,625	2,268,000	0.02	8.7	2	De-chlor,diffuser, gravel bags
589-103-75	Hydrant Flushing	West Channel	6/11/2012	15	23,850	2,289,600	0.30	8.5	7	De-chlor,diffuser, gravel bags
589-108-75	Hydrant Flushing	West Channel	6/11/2012	15	23,850	2,289,600	0.08	8.7	8	De-chlor,diffuser, gravel bags
610-106-75	Hydrant Flushing	West Channel	6/11/2012	15	23,850	2,289,600	0.05	8.6	0	De-chlor,diffuser, gravel bags
610-113-75	Hydrant Flushing	West Channel	6/11/2012	15	23,850	2,289,600	0.06	8.5	1	De-chlor,diffuser, gravel bags
613-102-75	Hydrant Flushing	West Channel	6/11/2012	15	23,850	2,289,600	0.07	8.7	3	De-chlor,diffuser, gravel bags
614-104-75	Hydrant Flushing	West Channel	6/11/2012	15	23,850	2,289,600	0.02	8.7	0	De-chlor,diffuser, gravel bags
614-101-75	Hydrant Flushing	West Channel	6/11/2012	15	23,850	2,289,600	0.08	7.8	0	De-chlor,diffuser, gravel bags
610-108-75	Hydrant Flushing	West Channel	6/11/2012	15	23,850	2,289,600	0.05	8.6	0	De-chlor,diffuser, gravel bags
610-105-75	Hydrant Flushing	West Channel	6/11/2012	15	24,375	2,340,000	0.09	8.7	0	De-chlor,diffuser, gravel bags
611-112-75	Hydrant Flushing	East Channel	6/12/2012	15	1,540	2,217,600	0.07	8.4	0	De-chlor,diffuser, gravel bags
611-110-75	Hydrant Flushing	East Channel	6/12/2012	10	15,400	2,217,600	0.06	8.7	4	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
611-111-75	Hydrant Flushing	East Channel	6/12/2012	10	15,400	2,217,600	0.09	8.7	0	De-chlor,diffuser, gravel bags
629-102-75	Hydrant Flushing	West Channel	6/12/2012	10	15,400	2,217,600	0.06	8.7	0	De-chlor,diffuser, gravel bags
611-104-75	Hydrant Flushing	East Channel	6/12/2012	10	15,550	2,239,200	0.01	8.7	0	De-chlor,diffuser, gravel bags
611-108-74	Hydrant Flushing	East Channel	6/12/2012	10	15,550	2,239,200	0.02	8.7	3	De-chlor,diffuser, gravel bags
611-106-75	Hydrant Flushing	East Channel	6/12/2012	10	15,550	2,239,200	0.01	8.7	14	De-chlor,diffuser, gravel bags
611-103-75	Hydrant Flushing	East Channel	6/12/2012	10	15,750	2,268,000	0.04	8.7	4	De-chlor,diffuser, gravel bags
611-101-75	Hydrant Flushing	East Channel	6/12/2012	10	15,900	2,289,600	0.03	8.7	0	De-chlor,diffuser, gravel bags
629-106-75	Hydrant Flushing	West Channel	6/12/2012	15	22,500	2,160,000	0.00	8.7	1	De-chlor,diffuser, gravel bags
611-102-75	Hydrant Flushing	East Channel	6/12/2012	15	23,100	2,217,600	0.06	8.6	0	De-chlor,diffuser, gravel bags
629-103-75	Hydrant Flushing	West Channel	6/12/2012	15	23,100	2,217,600	0.01	8.7	0	De-chlor,diffuser, gravel bags
629-101-75	Hydrant Flushing	West Channel	6/12/2012	15	23,100	2,217,600	0.03	8.5	0	De-chlor,diffuser, gravel bags
611-109-75	Hydrant Flushing	East Channel	6/12/2012	15	23,325	2,239,200	0.05	8.7	2	De-chlor,diffuser, gravel bags
611-105-75	Hydrant Flushing	East Channel	6/12/2012	15	23,325	2,239,200	0.08	8.7	7	De-chlor,diffuser, gravel bags
611-107-75	Hydrant Flushing	East Channel	6/12/2012	15	23,325	2,239,200	0.04	8.2	5	De-chlor,diffuser, gravel bags
615-106-75	Hydrant Flushing	East Channel	6/13/2012	10	15,000	2,160,000	0.26	8.5	0	De-chlor,diffuser, gravel bags
614-105-75	Hydrant Flushing	East Channel	6/13/2012	10	15,550	2,239,200	0.06	8.5	1	De-chlor,diffuser, gravel bags
629-105-75	Hydrant Flushing	West Channel	6/13/2012	10	15,750	2,268,000	0.07	8.7	10	De-chlor,diffuser, gravel bags
629-104-75	Hydrant Flushing	West Channel	6/13/2012	10	15,750	2,268,000	0.01	8.3	1	De-chlor,diffuser, gravel bags
631-103-75	Hydrant Flushing	West Channel	6/13/2012	10	15,900	2,289,600	0.04	8.7	0	De-chlor,diffuser, gravel bags
615-109-75	Hydrant Flushing	East Channel	6/13/2012	15	20,400	1,958,400	0.04	8.4	8	De-chlor,diffuser, gravel bags
615-108-75	Hydrant Flushing	East Channel	6/13/2012	15	21,075	2,023,200	0.07	8.5	0	De-chlor,diffuser, gravel bags
615-105-75	Hydrant Flushing	East Channel	6/13/2012	15	22,800	2,188,800	0.07	8.6	8	De-chlor,diffuser, gravel bags
615-107-75	Hydrant Flushing	East Channel	6/13/2012	15	22,800	2,188,800	0.10	8.2	15	De-chlor,diffuser, gravel bags
615-102-75	Hydrant Flushing	East Channel	6/13/2012	15	23,325	2,239,200	0.20	8.4	20	De-chlor,diffuser, gravel bags
610-106-75	Hydrant Flushing	East Channel	6/13/2012	15	23,325	2,239,200	0.06	8.4	0	De-chlor,diffuser, gravel bags
631-104-75	Hydrant Flushing	West Channel	6/13/2012	15	23,625	2,268,000	0.03	8.5	2	De-chlor,diffuser, gravel bags
631-106-75	Hydrant Flushing	West Channel	6/13/2012	15	23,625	2,268,000	0.06	8.7	1	De-chlor,diffuser, gravel bags
631-107-75	Hydrant Flushing	West Channel	6/13/2012	15	23,850	2,289,600	0.01	8.6	0	De-chlor,diffuser, gravel bags
631-105-75	Hydrant Flushing	West Channel	6/13/2012	15	23,850	2,289,600	0.05	8.5	0	De-chlor,diffuser, gravel bags
628-101-75	Hydrant Flushing	East Channel	6/13/2012	15	23,850	2,289,600	0.08	8.4	0	De-chlor,diffuser, gravel bags
592-103-75	Hydrant Flushing	West Channel	6/30/2012	5	7,500	2,160,000	0.08	8.5	0	De-chlor,diffuser, gravel bags
610-103-94	Hydrant Flushing	East Channel	6/30/2012	5	7,500	2,160,000	0.01	7.5	0	De-chlor,diffuser, gravel bags
627-102-94	Hydrant Flushing	West Channel	6/30/2012	5	7,500	2,160,000	0.01	8.2	1	De-chlor,diffuser, gravel bags
610-102-94	Hydrant Flushing	East Channel	6/30/2012	5	7,600	2,188,800	0.02	8.7	0	De-chlor,diffuser, gravel bags
651-105-94	Hydrant Flushing	West Channel	6/30/2012	5	7,600	2,188,800	0.04	8.6	1	De-chlor,diffuser, gravel bags

Attachment 15-1 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 (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity	Implemented BMPs & Corrective Actions
650-101-94	Hydrant Flushing	West Channel	6/30/2012	5	7,775	2,239,200	0.04	8.7	0	De-chlor,diffuser, gravel bags
651-104-94	Hydrant Flushing	West Channel	6/30/2012	6	9,000	2,160,000	0.01	8.4	0	De-chlor,diffuser, gravel bags
627-104-94	Hydrant Flushing	West Channel	6/30/2012	7	10,500	2,160,000	0.00	8.7	2	De-chlor,diffuser, gravel bags
610-101-94	Hydrant Flushing	East Channel	6/30/2012	7	10,640	2,188,800	0.02	8.7	0	De-chlor,diffuser, gravel bags
650-103-94	Hydrant Flushing	West Channel	6/30/2012	7	10,885	2,239,200	0.05	8.7	2	De-chlor,diffuser, gravel bags
627-101-94	Hydrant Flushing	West Channel	6/30/2012	8	11,840	2,131,200	0.04	8.7	2	De-chlor,diffuser, gravel bags
592-102-75	Hydrant Flushing	West Channel	6/30/2012	8	12,000	2,160,000	0.02	8.7	2	De-chlor,diffuser, gravel bags
651-102-94	Hydrant Flushing	West Channel	6/30/2012	8	12,000	2,160,000	0.06	8.7	6	De-chlor,diffuser, gravel bags
592-101-75	Hydrant Flushing	West Channel	6/30/2012	10	15,000	2,160,000	0.04	8.6	4	De-chlor,diffuser, gravel bags
627-103-94	Hydrant Flushing	West Channel	6/30/2012	10	15,000	2,160,000	0.07	8.7	0	De-chlor,diffuser, gravel bags
628-103-75	Hydrant Flushing	West Channel	6/30/2012	10	15,000	2,160,000	0.03	8.6	1	De-chlor,diffuser, gravel bags
629-107-94	Hydrant Flushing	West Channel	6/30/2012	10	15,000	2,160,000	0.05	8.0	0	De-chlor,diffuser, gravel bags
629-108-94	Hydrant Flushing	West Channel	6/30/2012	10	15,000	2,160,000	0.03	8.3	0	De-chlor,diffuser, gravel bags
651-101-94	Hydrant Flushing	West Channel	6/30/2012	10	15,200	2,188,800	0.09	8.7	1	De-chlor,diffuser, gravel bags
610-104-94	Hydrant Flushing	East Channel	6/30/2012	10	15,400	2,217,600	0.02	8.7	1	De-chlor,diffuser, gravel bags
615-104-94	Hydrant Flushing	East Channel	6/30/2012	10	15,400	2,217,600	0.00	8.3	9	De-chlor,diffuser, gravel bags
650-102-94	Hydrant Flushing	West Channel	6/30/2012	10	15,400	2,217,600	0.02	8.1	0	De-chlor,diffuser, gravel bags
627-105-94	Hydrant Flushing	West Channel	6/30/2012	10	15,550	2,239,200	0.02	8.7	0	De-chlor,diffuser, gravel bags
626-101-94	Hydrant Flushing	West Channel	6/30/2012	15	21,975	2,109,600	0.00	8.3	1	De-chlor,diffuser, gravel bags
651-103-94	Hydrant Flushing	West Channel	6/30/2012	15	22,200	2,131,200	0.11	8.7	0	De-chlor,diffuser, gravel bags
631-102-94	Hydrant Flushing	West Channel	6/30/2012	15	22,500	2,160,000	0.11	8.7	0	De-chlor,diffuser, gravel bags
650-104-94	Hydrant Flushing	West Channel	6/30/2012	15	22,800	2,188,800	0.08	8.7	1	De-chlor,diffuser, gravel bags
615-103-94	Hydrant Flushing	East Channel	6/30/2012	15	23,325	2,239,200	0.01	8.7	0	De-chlor,diffuser, gravel bags
628-102-75	Hydrant Flushing	West Channel	6/30/2012	15	23,325	2,239,200	0.06	8.7	0	De-chlor,diffuser, gravel bags
719 San Pablo	Hydrant Flushing - Special Study		6/6/2012	6	7,530	1,807,200	0	NA	7	De-chlor,diffuser, gravel bags
719 San Pablo	Hydrant Flushing - Special Study		6/6/2012	20	25,100	1,807,200	0	NA	7	De-chlor,diffuser, gravel bags
719 San Pablo	Hydrant Flushing - Special Study		6/6/2012	14	17,570	1,807,200	0	NA	7	De-chlor,diffuser, gravel bags
Crescent Ave	Hydrant Flushing - Special Study		6/6/2012	10	13000	1,872,000	0.01	NA	7	De-chlor,diffuser, gravel bags
Crescent Ave	Hydrant Flushing - Special Study		6/6/2012	10	13000	1,872,000	0.01	NA	7	De-chlor,diffuser, gravel bags
Crescent Ave	Hydrant Flushing - Special Study		6/6/2012	2	2600	1,872,000	0	NA	6	De-chlor,diffuser, gravel bags

FY 2011-2012 Annual Report
Permittee Name: City of Sunnyvale

Section 15
Provision C.15 Exempted and Conditionally Exempted Discharges

Appendix 15-2: C.15.B.iii (2)
Unplanned Discharges of the Potable Water System
FY 11-12 Data Tables

Attachment 15-2 C.15.b.iii.(2) ► Unlanned Discharges of the Potable Water System

Site/ Location	Discharge Type	Receiving Waterbody(ies)	Date of Discharge	Duration of Discharge (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity (NTU)	Implemented BMPs & Corrective Actions	Time of Discharge Discovery	Regulatory Agency Notification Time	Inspector Arrival Time	Responding Crew Arrival Time
1363 Oakmead Parkway	Main Break	Calabazas Creek	7/1/2011	21 mins	535	36686	N/A	N/A	N/A	bags	7:40:00 AM	N/A	9:45:00 AM	9:45:00 AM
Persian x East Channel	PG&E hit pipe	East Channel	7/12/2011	30 mins	645	30960	N/A	N/A	N/A	bags	9:34:00 AM	N/A	7:40:00 AM	7:40:00 AM
1476 Mistaya Court	Sheared hyd	East Channel	8/18/2011	24 mins	470	28200	N/A	N/A	N/A	bags	8:46:00 AM	N/A	9:00:00 AM	9:00:00 AM
1373 Socorro Avenue	Main Break	Calabazas Creek	8/22/2011	40 mins	470	16920	N/A	N/A	N/A	bags	4:20:00 PM	N/A	5:00:00 PM	5:00:00 PM
352 Geneva Drive	Meter Leak	East Channel	9/12/2011	50 mins	5	144	N/A	N/A	N/A	bags	3:40:00 PM	N/A	4:30:00 PM	4:30:00 PM
620 Morse Avenue	Main Break	East Channel	9/22/2011	50 mins	365	10512	N/A	N/A	N/A	bags	3:20:00 PM	N/A	3:35:00 PM	3:35:00 PM
407 South Fernwood Circle	Main Break	Calabazas Creek	9/24/2011	25 mins	505	29088	N/A	N/A	N/A	bags	6:00:00 PM	N/A	6:15:00 PM	6:15:00 PM
814 San Aleso Avenue	Main Break	East Channel	9/25/2011	30 mins	505	24240	N/A	N/A	N/A	bags	4:24:00 PM	N/A	4:45:00 PM	4:45:00 PM
381 North Fernwood Circle	Main Break	Calabazas Creek	9/25/2011	60 mins	575	13800	N/A	N/A	N/A	bags	4:36:00 PM	N/A	5:30:00 PM	5:30:00 PM
558 Morse Avenue	Main Break	East Channel	9/25/2011	30 mins	975	46800	N/A	N/A	N/A	bags	6:30:00 PM	N/A	6:40:00 PM	6:40:00 PM
501 Hendy Avenue	Sheared hyd	East Channel	9/30/2011	31 mins	5815	270116	N/A	N/A	N/A	bags	5:36:00 PM	N/A	5:50:00 PM	5:50:00 PM
1034 Katrine Court	Main Break	Calabazas Creek	10/22/2011	30 mins	470	22560	N/A	N/A	N/A	bags	9:40:00 AM	N/A	10:00:00 AM	10:00:00 AM
819 Fife Way	Main Break	Calabazas Creek	10/29/2011	20 mins	460	33120	N/A	N/A	N/A	bags	8:55:00 PM	N/A	9:05:00 PM	9:05:00 PM
North Mary x Corte Madera	Sheared hyd	West Channel	11/14/2011	15 mins	6850	657600	N/A	N/A	N/A	bags	9:46:00 AM	N/A	9:51:00 AM	9:51:00 AM
1004 Carson Drive	Sheared hyd	West Channel	12/3/2011	30 mins	5990	287520	N/A	N/A	N/A	bags	2:18:00 PM	N/A	2:36:00 PM	2:36:00 PM
583 Arran Court	Main Break	East Channel	12/7/2011	30 mins	665	31920	N/A	N/A	N/A	bags	8:40:00 AM	N/A	9:00:00 AM	9:00:00 AM
810 Nectarine Drive	Main Break	East Channel	12/7/2011	20 mins	330	23760	N/A	N/A	N/A	bags	4:25:00 PM	N/A	4:35:00 PM	4:35:00 PM
410 South Mathilda Avenue	Main Break	East Channel	12/20/2011	31 mins	470	21832	N/A	N/A	N/A	bags	5:41:00 PM	N/A	6:00:00 PM	6:00:00 PM
565 Croyden Court	Main Break	East Channel	12/24/2011	40 mins	450	16200	N/A	N/A	N/A	bags	2:27:00 PM	N/A	3:04:00 PM	3:04:00 PM
1245 Birchwood Drive	Main Break	Calabazas Creek	12/29/2011	45 mins	310	9920	N/A	N/A	N/A	bags	10:05:00 AM	N/A	10:35:00 AM	10:35:00 AM
1575 Tenaka Place	Main Break	East Channel	1/8/2012	40 mins	365	13140	N/A	N/A	N/A	bags	2:00:00 PM	N/A	2:30:00 PM	2:30:00 PM
1574 Jasper Drive	Main Break	Stevens Creek	1/12/2012	20 mins	330	23760	N/A	N/A	N/A	bags	4:00:00 PM	N/A	4:10:00 PM	4:10:00 PM
992 Coeur D' Alene Way	Main Break	Stevens Creek	1/12/2012	30 mins	340	16320	N/A	N/A	N/A	bags	4:20:00 PM	N/A	4:40:00 PM	4:40:00 PM
1108 Mathilda Avenue	Sheared hyd	West Channel	1/18/2012	25 mins	6565	378144	N/A	N/A	N/A	bags	3:55:00 PM	N/A	4:10:00 PM	4:10:00 PM
1060 Stewart Drive	Sheared hyd	Calabazas Creek	2/12/2012	30 mins	6101	292848	N/A	N/A	N/A	bags	11:00:00 PM	N/A	11:30:00 PM	11:30:00 PM
319 Gardner Drive	Main Break	East Channel	2/21/2012	55 mins	5	131	N/A	N/A	N/A	bags	3:30:00 PM	N/A	4:15:00 PM	4:15:00 PM
1825 Bernardo Avenue	Station	Stevens Creek	4/21/2012	3 hrs 30 m	3150	16800	0.03	7.6	9	bags	3:30:00 PM	N/A	4:00:00 PM	4:00:00 PM
702 Carolina Avenue	Main Break	East Channel	4/26/2012	17 mins	60	5082	N/A	N/A	N/A	bags	2:53:00 PM	N/A	3:00:00 PM	3:00:00 PM
Maude Ave x Stowell Ave	Main Break	East Channel	5/7/2012	45 mins	700	22400	N/A	N/A	N/A	bags	7:00:00 AM	N/A	7:30:00 AM	7:30:00 AM
ECR x Bernardo Avenue	Sheared hyd	East Channel	6/4/2012	45 mins	1342	42944	0.05	7.9	8	bags	10:39:00 AM	N/A	10:40:00 AM	10:40:00 AM
Toyoma Dr x Karlstad Dr	Sheared hyd	East Channel	6/8/2012	45 mins	8875	284000	1.63	7.9	18	bags	7:00:00 AM	N/A	7:30:00 AM	7:30:00 AM
Johanna Avenue	Main Break	East Channel	6/12/2012	23 mins	1250	78261	N/A	N/A	N/A	bags	1:27:00 PM	N/A	1:40:00 PM	1:40:00 PM
ECR x Sycamore Terrace	Blow Off	East Channel	6/17/2012	21 hrs 30 m	1290	1440	1.16	9.2	6.7	bags	1:30:00 PM	N/A	2:00:00 PM	2:00:00 PM
Borregas Ave x Ferndale Ave	Main Break	East Channel	6/25/2012	23 mins	1190	74504	N/A	N/A	N/A	bags	2:22:00 PM	N/A	3:35:00 PM	3:35:00 PM
Timberpine Ave x Lily Ave	Main Break	Calabazas Creek	6/25/2012	27 mins	1280	68267	N/A	N/A	N/A	bags	3:12:00 PM	N/A	3:30:00 PM	3:30:00 PM
Roosevelt Avenue	Main Break	East Channel	6/25/2012	30 mins	445	21360	N/A	N/A	N/A	bags	3:30:00 PM	N/A	4:00:00 PM	4:00:00 PM
1214 Apollo Way	Sheared hyd	Calabazas Creek	6/27/2012	40 mins	6101	219636	N/A	N/A	N/A	bags	5:00:00 AM	N/A	5:25:00 AM	5:25:00 AM
Miramar Way	Blow Off	Calabazas Creek	6/27/2012	25 mins	3	173	N/A	N/A	N/A	bags	11:58:00 AM	N/A	12:15:00 PM	12:15:00 PM