

September 30, 2016

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

Subject: Santa Clara Valley Water District
FY 2015-2016 Annual Report

Dear Mr. Wolfe:

This letter and Annual Report with attachments is submitted by the Santa Clara Valley Water District (District) pursuant to Permit Provision C.17 of the California Regional Water Quality Control Board, San Francisco Bay Region, Municipal Regional Stormwater NPDES Permit (MRP), Order R2-2015-0049, NPDES Permit No. CAS612008. The District's Annual Report highlights and accomplishments are provided below.

The District is reporting on the MRP provisions that apply to this agency. As a flood control and water supply agency, not all the MRP permit provisions apply to the District and therefore it may appear that information is not present. The District has indicated which sections of the Annual Report do not apply.

Stormwater Program Highlights and Accomplishments

The District remains active in its capacity as the Chair of the Santa Clara Valley Urban Runoff Pollution Prevention Program (SCVURPPP). The District remains active in many of the Ad Hoc Task Groups that support the completion of the various permit provisions in a cost effective and organized fashion that facilitates a common reporting format for the reviews of the MRP annual reports. Components of the voter-approved Safe, Clean Water and Natural Flood Protection Program (Safe, Clean Water) incorporate water pollution prevention and reduction activities. Specifically, Priority B1 (Impaired Water Bodies Improvement) addresses mercury contamination and Priority B2 (Interagency Urban Runoff Program) supports continued participation in SCVURPPP. Both B1 and B2 include additional pollution prevention activities to improve surface water quality in Santa Clara County through such efforts as trash accumulation mapping and removal and pathogen studies. See Sections C.10 and C.11 of this report for more information on Safe, Clean Water pollution prevention efforts.

Section C.2 Municipal Operations

Pollution prevention and pollutant reduction has continued to be a focus of District staff discussions, including general good housekeeping practices, proper BMP inspection and implementation, and the need to document follow-up actions based on Storm Water Pollution Prevention Plan (SWPPP) inspections. Storm drain inspections and cleaning work orders continue to be distributed via the District's Comcate Preventative Maintenance Program (field maintenance work-order software) for the corporation yards. Each month, facility maintenance



staff inspects all storm drains at their facility and have them cleaned as needed. Inspections were completed for all District corporation yards, and BMPs were implemented according to site specific SWPPPs.

Section C.5 Illicit Discharge Detection and Elimination

24-hours HazMat Pollution Prevention Hotline

The District received and responded to a total of 117 emergency response reports throughout Santa Clara County during Fiscal Year (FY) 15-16, which were 18 reports more than in FY 14-15. Of the 117 total incidents reported during the last fiscal year, 108 were within the jurisdiction of the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 115 were actual or potential discharge events, and 88 required a field response by a team member or members for general investigation, source identification, multi-agency coordination, and clean up or evidence collection. The District is one of the few Santa Clara County Permittees that has 24-hour availability to conduct storm water pollution investigations. District staff will, as needed, investigate and collect evidence at a site that can later be transferred to the appropriate jurisdictional authority during the next regularly scheduled business hours. Jurisdictional authority could reside with a co-permittee, state, or federal agency. The District responded within target field response time 100% of the time for all incidents requiring urgent field response.

Water Resource Protection Ordinance Code Enforcement Program

To protect District owned public lands, the District regulates non-District use of the agency's property through the Water Resources Protection Ordinance. The Water Resources Protection Manual, which includes measures to protect the riparian corridor, is utilized for case development. For FY 15-16, the Community Projects Review Unit's Code Enforcement Program processed 220 cases. Of the 220 cases, encroachment violations accounted for 54% of the cases. Encroachments (unauthorized private use of District's property) often occur on creekside or near-creekside lands and can have negative impacts on the stream environment due to increased erosion from irrigation and overland drainage, the potential for the introduction of pesticides into the creek, planting of non-native and invasive plant species in the riparian corridor, grading of creek banks, and dumping. The District has been protecting creekside public lands by remediating encroachments for over 40 years. Approximately 12% of the cases were for illegal dumping on District property, which is predominately creek side. Dumped items consisted of materials such as soil, yard clippings, and pet waste. Drainage issues included discharges to creeks from backyard pools.

Water Conservation Inspector Activities

In September 2014, the District's Water Supply Planning and Conservation Unit initiated the Water Waste Inspector Program and created advertisements for how people can report water waste to the District. Water Waste reports are received from citizens through Access Valley Water, the Drought Hotline (408-630-2000), and via email through drought@valleywater.org. The Water Waste Inspectors make direct contact with homeowners or business owners, leave educational materials if no one is there, or contact the appropriate retailer or municipality to address the issue.

For FY 15-16, the Water Supply Planning and Conservation Unit processed 4,864 reports on water waste. Of these, 925 reports were water leaks from broken plumbing and irrigation

systems, and 3,939 were for other types of water waste, such as overspray onto pavement and watering during the wrong time of day. All 4,864 reports were responded to and resolved. The District's goal is to address all water waste reports within 24 hours. Excessive watering, overspray onto impervious surfaces, and leaking irrigations systems can all be mechanisms for the transport of urban pollutants such as oils, herbicides, pesticides, fertilizers and lawn clippings to creeks, which can ultimately lead to a significant degradation of stream water quality.

Section C.7 Public Information and Outreach

The District serves a community of nearly 1.9 million countywide and has excellent outreach programs to many sectors of the community. Key elements include:

- An impressive and popular Water Resources Education Outreach Program
- A growing Adopt-A-Creek Program
- Creek cleanup events supporting citizen participation
- Attendance at community events targeting the general public
- The District's Grant Program provided funding to several programs that included community engagement and public outreach components, such as conducting trash cleanup events, implementing docent-led walks, and creating interpretive displays.

The District's website continues to provide updates to the community, including storm water pollution prevention messages. Our on-line maintenance request form (Access Valley Water) empowers citizens to report dumping or waterway-related problems and allows them to send messages to the appropriate watershed staff. The site also includes a link to the SCVURPPP website where other storm water pollution prevention program materials can be found.

The District has a very active Water Resources Education Outreach Program that reached 24,039 people in FY 15-16, including 16,264 students from pre-school to college and 6,979 additional individuals through various outreach opportunities. New this year, 1,084 people were reached through 32 public library programs. District education outreach staff conducted in-classroom presentations and tours at our District sites and outdoor classroom facilities:

- Silicon Valley Advanced Water Purification Center (3)
- Edith Morley Park (4)
- Alamos Recharge Ponds (10)
- Alviso Outdoor Classroom (1)
- Coyote Creek Outdoor Classroom (1)

The District's Water Resources Education Outreach program serves a diverse population and responds to the needs of the schools throughout Santa Clara County (county). Programming is consistent with State standards and regularly integrates messages and issues of other District programs and units. The program provides age-appropriate classroom presentations (Figure 1), teacher in-service training in water education, and tours of outdoor classrooms, water treatment plants and the new Silicon Valley Advanced Water Purification Center in order to help children understand and appreciate their local water resources. Classroom presentations include: hands-on experiments, information on watersheds, urban runoff, pollution prevention, flood

plains, conservations tips, water awareness activities, flood protection, information about careers in the water industry, emergency preparedness, and environmental science. Programs and tours are provided free to schools in the county.



Figure 1. Presentation of a groundwater model to school children at the Alamitos Recharge Pond

The District uses numerous methods to conduct outreach, including written brochures, radio, newspaper, social media, website, blogs, public transportation bus back ads, in-class presentations, library programs, educational tours, community events, and workshops. The wide variety of outreach methods increases the probability that the messages are being received and understood. Combining all these different methods is very effective at meeting our public education goals. The variety of outreach methods also ensures that many segments of the Santa Clara Valley population are being reached, including residents, businesses, and students, as well as people from other locations. We work collaboratively with many other agencies and organizations such as SCVURPPP, BASMAA, and the Watershed Watch campaign to conduct outreach and will continue these partnerships in the future.

The District's Communications Unit and Water Supply Planning and Conservation Unit staffed a total of 86 outreach events and provided 19 tours. In addition to staffing outreach events, the District's Water Supply Planning and Conservation Unit gave water conservation presentations at an additional 28 events and conducted 11 Graywater Workshops to the community.

The District provided significant support for the following citizen involvement events:

- National River Cleanup Day and Coastal Cleanup Day – the District chairs Creek Connections Action Group, providing meeting support and supplies, coordinating the site coordinator training and supply pickup meetings, manning the phones on the day of the events and reporting results to the California Coastal Commission on Coastal Cleanup Day. The District also provides pickup and disposal of the collected trash from approximately half of the sites for both events.
- The District administers the Adopt-A-Creek Program, assigning adoption areas and providing cleanup supplies and pickup of collected trash.

Additionally, the District launched “Valley Water News,” an official online news web page created to increase community engagement and reach a larger number of people (www.valleywaternews.org).

The District program also has a positive impact on our south county residents in Gilroy and Morgan Hill. The Section C.7 information is also shared with those cities and the County of Santa Clara so they may include this information in their Phase II permit annual reports.

Section C.9 Pesticide Toxicity Controls

The District uses pesticides as one of the tools for pest management on its properties and facilities. The primary category of pesticides used is herbicides. In all cases, pesticide products are used only after an assessment has been made regarding environmental, economical, and public health aspects of each of the alternatives. The District has always been conservative in the use of pesticides and only the least toxic chemical pesticides are used. From 2011 to 2015, the District had an overall reduction in herbicide usage of 62.9%.

All District employees were informed, via the District’s News You Can Use all-employee messaging system on August 11, 2015, that only employees authorized and trained to apply pesticides can use them at work. No over-the-counter pesticides are allowed in or around the workplace. This is consistent with the District’s Integrated Pest Management (IPM) Policy. Additionally, continuing education (CE) is required for employees to maintain certification for pesticide application.

Section C.10 Trash Load Reduction

The District has been instrumental in the removal of approximately 5,959 cubic yards of trash and debris from various waterways in Santa Clara County within the jurisdiction of the SFBRWQCB. The District’s Good Neighbor Program (GNP) and Impaired Water Bodies Improvement Program, components of Safe, Clean Water, cleaned up specific trash and debris locations. Other clean ups were joint operations through a Memorandum of Agreement (MOA) with the City of San Jose. The MOA is a document that outlines the coordinated efforts to clean up homeless encampments, creek trash rafts, and other areas heavily impacted by trash and litter. For FY 15-16, approximately 98% of illegal encampment cleanup activities were joint operations with the City of San Jose.

The District has continued its focus on homeless encampment cleanups in FY15-16, removing approximately 3,545 cubic yards of material from local waterways at a cost of more than \$800,000. In early 2016, the District’s Board of Directors convened a Homeless Encampment Ad Hoc Committee to discuss homelessness and encampment issues, and to bring recommendations back to the Board. The Committee is open to the public and includes participation from the City of San Jose and other municipalities, the County of Santa Clara, District Board members and staff, various community groups, and representatives from the homeless community.

The District continued trash characterization efforts during several Trash Hot Spot cleanup events, removing a total of 99.0 cubic yards from 14 sites, including from trash booms on Lower

Silver and Thompson creeks (Figures 2 and 3) and along 200 yards of shoreline in Alviso Slough. Trash characterization results are shown in the chart below. Trash Hot Spot cleanup results can be found in section C.10.c. Two hot spot sites, SWD02 and SWD10, included homeless encampment cleanup efforts, resulting in higher trash volumes.



Figure 2. Thompson Creek trash boom capturing debris.



Figure 3. Staff characterizing trash collected from Thompson Creek trash boom.

The Impaired Water Bodies Improvement Program, a component of Safe, Clean Water, requires 10 pollution prevention activities. In FY 15-16, the District piloted Pollution Prevention Activity #3, a trash raft mapping and removal effort on the Guadalupe River from Tasman Drive to Blossom Hill Road. As part of this effort, a total of 77.6 cubic yards were removed from mapped trash rafts and other accumulation areas along approximately 3 miles of District-owned portions of the Guadalupe River (Figures 4 and 5). More information, including the current trash map, can be found at <http://www.valleywater.org/scw-b1.aspx>.



Figure 4. Photo taken before clean up of trash accumulation found downstream of West Virginia Street, San Jose

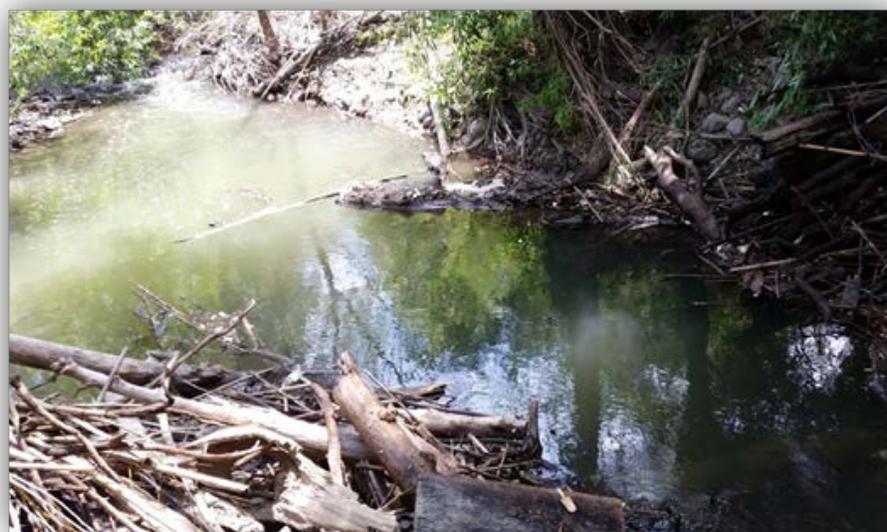


Figure 5. Photo taken after clean up of trash accumulation found downstream of West Virginia Street, San Jose

In 2015-2016, the District Grant Program provided funding to several programs that focus on creek corridor trash cleanup activities by non-governmental organizations (NGOs) and homeless individuals.

Pollution Prevention grants and Partnership projects are listed below:

Partnerships and Grants	Project Name	Brief Description of Project	Awarded Amount
San Jose Parks Foundation	Trash Free Coyote Creek Cleanup and Surveillance Project (B3) & Education and Outreach Project (B7)	The goal was to create a trash free zone in the Coyote Creek riparian corridor between Tully Road and Hellyer Park (including the park). Conducted public outreach and removed 81,800 lbs of trash through 14 cleanups by 1,296 volunteers.	\$26,783 (B3) \$42,199 (B7)
California Product Stewardship Council	Secure Pharmaceutical Collection Bin Expansion	The project will prevent pharmaceutical waste from contaminating waterways by establishing fifty (50) new pharmaceutical collection bins in pharmacies, hospitals and police stations in Santa Clara County that will be distributed to increase convenience to all county residents.	\$206,417
City of San Jose	San Jose Watershed Community Stewardship & Engagement Project	The work will provide community engagement, outreach and education, will engage the homeless population, and provide trash cleanup in both Coyote creek and Guadalupe River. The work will be conducted in socio-economically diverse neighborhoods along two different watersheds.	\$196,250
South Bay Clean Creeks Coalition	South Bay Creek Cleanup Program	The program recruits volunteers through trail & park tabling, canvassing adjacent neighborhoods. These volunteers can participate in TEAM 222 Clean Up program which conducts clean ups every other month at multiple sites, including corporate events; and work on citizen monitoring network.	\$60,000
San Francisco Bay Wildlife Society	Don Edwards San Francisco Bay NWR Clean-Up 2016	Remove trash from south San Francisco Bay tidal marshlands, mudflats and adjacent uplands in Santa Clara County. Integrate Litterati™, a social media technology, to create a litter database for long-term trash reduction and provide an interpretive display for education and outreach.	\$35,391
Santa Clara County Creeks Coalition	Trash Free North Coyote Creek Watershed Stewardship and Engagement Project	Conduct 12 volunteer trash cleanups and outreach activities, conduct outreach activities, recruit over 700 volunteers from business and community organizations and implement a docent-led walks program along 5 miles of north Coyote Creek from Tasman Drive to Jackson Street.	\$89,399
Acterra Stewardship	Greening Urban Watersheds	A portion of this grant is to conduct 21 community creek cleanup events along 3 creeks and remove 13,000 pounds of trash from 4 miles of riparian corridors.	\$93,617
Total			\$750,056

The amounts of trash the District collected through the Good Neighbor Program, Illegal Encampment cleanup activities, Impaired Water Bodies Improvement cleanup activities, Trash Hot Spot cleanup activities, and various other trash and debris removal activities for 2015-2016 are as follows:

Program	Cubic yards of trash and debris removed					
	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
Good Neighbor	1527.0	1397.5	1571.0	690.1	847.8	432.0
Illegal Encampment Cleanups	983.7	1050.1	1710.0	3130.0	4570.0*	3545.0
Impaired Water Bodies Improvement Cleanups	--	--	--	--	--	77.6
Other Trash and Debris Removal	643.8	785.5	1393.5	1593.0	1493.5	1802.5
Trash Hot Spot Cleanups (MRP)	22.5	23.3	2.7	17.4	--	99.0
Trash Boom Cleanups	--	--	--	2.2	46.0	2.9
Totals	3154.45	3233.1	4674.5	5432.7	6957.25	5959.0

Total volume of trash removed by watershed:

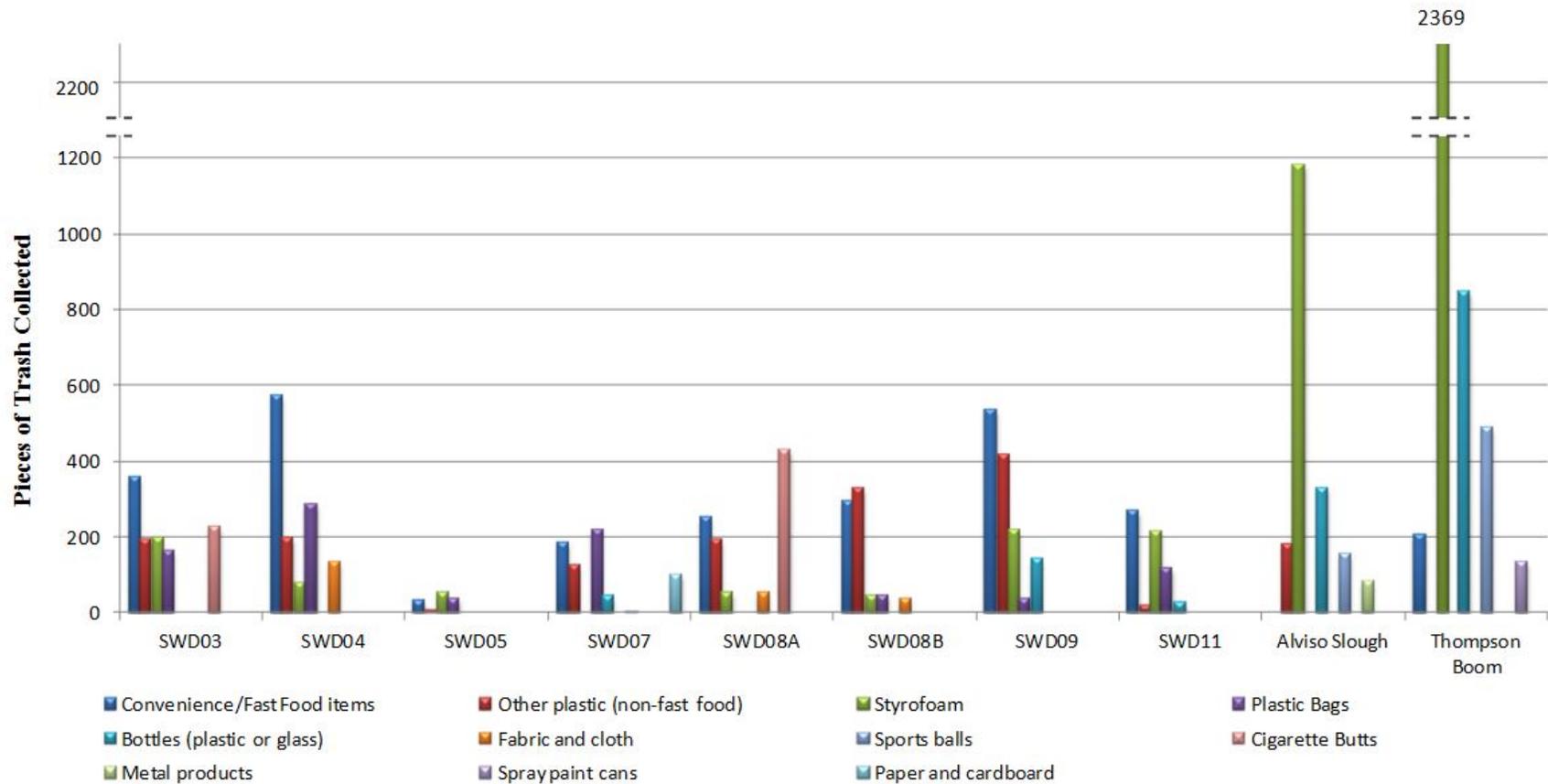
San Francisco Bay Watersheds	Cubic Yards of Trash Removed
Lower Peninsula	216.2
West Valley	258.0
Guadalupe	1444.5
Coyote	4040.3
Total	5959.0

Total cost of District trash removal activities:

Program	Cleanup Cost					
	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
Good Neighbor	\$238,325	\$200,171	\$ 259,213	~\$200,000	\$176,705	\$132,797
Illegal Encampment Cleanups	\$145,556	\$229,834	\$ 285,343	~\$750,000	\$765,946	\$817,859
Impaired Water Bodies Improvement Cleanups	--	--	--	--	--	\$53,177
Other Trash and Debris Removal	\$156,078	\$190,282	\$ 380,034	~\$500,000	\$407,821	\$471,010
District Hotspot and Trash Boom Cleanups	-not calculated-	-not calculated-	-not calculated-	-not calculated-	-not calculated-	-not calculated-
Contribution to SJC Clean Creeks and Healthy Communities grant proposal application with the US EPA	\$ -	\$ -	\$ 130,000	\$ -	\$ -	\$ 196,000 -
Totals	\$539,959	\$620,287	\$1,054,590	~\$1,450,000	\$1,350,472	\$1,670,843

Trash Characterization Results

Major trash types of Santa Clara County Creeks for FY 15-16, as determined from Trash Hot Spot and Trash Boom Cleanup activities, is summarized in the bar chart below:



Styrofoam, bottles (plastic or glass), convenience/fast food and other plastic (non-fast food) items were the most common trash types found throughout each hot spot. There was a noticeable decrease in number of plastic bags collected from trash hot spot cleanups this fiscal year than in previous years. Trash booms on Thompson Creek and Lower Silver Creek were effective in trapping buoyant items such as styrofoam, bottles, spray paint cans, sports balls, and convenience/fast food items. Trash Hot Spots that had homeless encampments (SWD02 and SWD10) were not characterized.

As stated above, the District continues to run an Adopt-A-Creek program, coordinate local California Coastal Cleanup Day and National River Cleanup Day activities, and helps to support the Great American Litter Pickup event. The District's Adopt-A-Creek program continues to be highly popular with many neighborhood and civic groups. In FY 15-16, 125 sites were adopted as part of this program (an increase of 12 sites from the previous year) with groups committing to host a minimum of 2 cleanup events per year. For FY 15-16, California Coastal Cleanup Day was held on 9/19/2015 and was responsible for the removal of approximately 50,000 lb. of trash and 2,868 lb. of recyclables in Santa Clara County. National River Cleanup Day was held on 5/21/2016 and was successful in removing 30,292 lb. of trash and 3,135 lb. of recyclables from Santa Clara County creeks. The Great American Litter Pickup event was held on 4/23/2016, which focused on removing litter from city streets, parks, and public areas. The District supported cleanup and disposal activities as well as supplying personal protective equipment to volunteers such as gloves, sunscreen, and water.

Section C.11 Mercury Controls

The District owns and operates three reservoirs (Almaden, Calero, and Guadalupe reservoirs) and one lake (Lake Almaden) within the Guadalupe River Watershed that were included in the Clean Water Act (CWA) Section 303 (d) list as impaired due to mercury in 1999. A Basin Plan amendment, adopted in 2008 by the SFBRWQCB, established new water quality objectives and Total Maximum Daily Loads (TMDLs) for mercury in the Guadalupe River Watershed. In the Guadalupe River Watershed Mercury TMDL (Guadalupe TMDL), it is recognized that the District initiated voluntary applied studies in these water bodies prior to its adoption, and that the continuation of these studies is one means of compliance with regulatory enforceable portions of the Guadalupe TMDL applicable to the District. The District's mercury reduction activities are implemented under its Impaired Water Bodies Improvement Program, a component of Safe, Clean Water (Priority B1).

Inorganic mercury enters the reservoirs from the lands draining historic mercury mines in the upper Guadalupe River Watershed, as well as from atmospheric deposition and imported water deliveries into Calero Reservoir. Transfers from Almaden Reservoir via the Almaden-Calero Canal also transport mercury-laden water into Calero Reservoir. Methylmercury (the bio-available form of mercury) is produced in the reservoirs and in Lake Almaden during the warm summer months through processes related to the seasonal depletion of bottom oxygen.

The Guadalupe TMDL establishes a schedule for implementation of treatment controls for the reservoirs, and includes new water quality objectives for mercury in fish tissue and surface water that are to be achieved by meeting target reductions of seasonal maximum methylmercury concentrations in Almaden, Calero and Guadalupe reservoirs and Lake Almaden. The scheduled date for implementation of treatment controls in the reservoirs is

December 31, 2017. The District is currently ahead of schedule and has implemented treatment controls in all of the above-mentioned water bodies.

The District operates oxygenation systems at Calero Reservoir, Stevens Creek Reservoir, Guadalupe Reservoir, and Almaden Reservoir to suppress hypolimnetic methylmercury production. Oxygenation systems were installed in Calero and Stevens Creek reservoirs during calendar year 2012. Equipment for oxygen-injection into the hypolimnion of Guadalupe Reservoir was installed in March 2013, and an oxygen-injection system at Almaden Reservoir was installed in June 2015. Oxygenation systems operated intermittently in 2015. Following winter of 2015/2016 when the reservoirs began to stratify, oxygenation system operation resumed. Calero and Stevens Creek reservoirs resumed oxygenation in March, Guadalupe Reservoir in April, and Almaden Reservoir in May of 2016.

Mercury concentrations in fish tissue in the Guadalupe Watershed have been found to exceed the U.S. Environmental Protection Agency's mercury criterion for the safe consumption of fish by humans. The Guadalupe TMDL defines a maximum limit for mercury concentrations to be found in fish tissue within the watershed. Sampling for fish and laboratory analyses for mercury content were conducted in October of 2015 and March/April of 2016 at Almaden, Calero, Guadalupe, and Stevens Creek reservoirs. Further fish monitoring was conducted in late August and September of 2016 and is planned to occur biannually.

As part of its Stream Maintenance Program (SMP), the District conducts sediment removal activities in channels and creeks for the purpose of alleviating the potential for local flooding problems and to meet the requirements of the Federal Emergency Management Agency for flood protection. The District follows a sediment characterization plan to determine chemical and physical properties of the sediments, including for total mercury, in order to effectively plan for disposal or beneficial reuse of the sediments and assist with determining the best management practices to implement in order to avoid and minimize impacts to water quality and aquatic life during sediment removal and disposal. Sediment removal from channels and creeks, as well as groundwater percolation ponds, allows for the opportunistic removal of mercury-laden sediments from the watershed.

The District is required to provide periodic progress reports regarding its studies of methylmercury production and controls, and progress towards reducing the bioavailability of mercury in the watershed. By reducing the amount of mercury and methylmercury in the watershed, the Guadalupe TMDL simultaneously reduces mercury to the San Francisco Bay, which helps to address compliance with the San Francisco Bay Mercury TMDL.

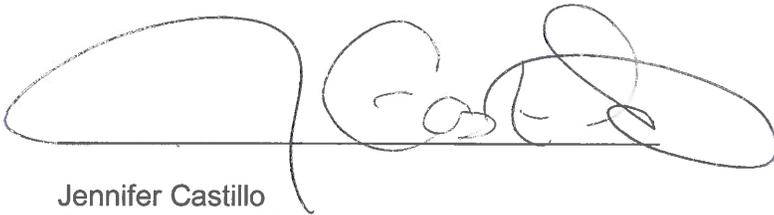
Annual Report

The attached Annual Report can be shared with other co-permittees, municipal decision-makers, and the public. The Annual Report provides documentation of activities conducted during FY 2015-2016 and consists of the following:

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

Please contact Mr. Brett Calhoun at (408)-630-2653, or by e-mail at jcalhoun@valleywater.org regarding any questions or concerns.

Sincerely,

A handwritten signature in black ink, appearing to read "J. Castillo", written over a horizontal line.

Jennifer Castillo
Duly Authorized Representative
Acting Deputy Operating Officer
Watershed Stewardship Division

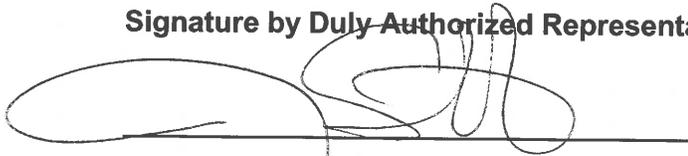
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**SANTA CLARA VALLEY WATER DISTRICT
FY 2015-2016 ANNUAL REPORT**

Certification Statement

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

Signature by Duly Authorized Representative:

A handwritten signature in black ink, appearing to read 'Jennifer Castillo', is written over a horizontal line. The signature is stylized and cursive.

Date: 9/21/10

Jennifer Castillo
Acting Deputy Operating Officer

FY 2015-2016 Annual Report
Permittee Name: Santa Clara Valley Water District

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FY 2015-2016 Annual Report
Permittee Name: Santa Clara Valley Water District

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Section 1 – Permittee Information

Background Information				
Permittee Name:	Santa Clara Valley Water District (District or SCVWD)			
Population:	SCVWD is a non-population based co-permittee			
NPDES Permit No.:	CAS612008			
Order Number:	R2-2015-0049			
Reporting Time Period (month/year):	July 2015 through June 2016			
Name of the Responsible Authority:	Jennifer Castillo	Title:	Acting Deputy Operating Officer	
Mailing Address:	5750 Almaden Expressway			
City:	San Jose	Zip Code:	95118	County: Santa Clara
Telephone Number:	408-630-3196	Fax Number:	408-979-5613	
E-mail Address:	jcastillo@valleywater.org			
Name of the Designated Stormwater Management Program Contact (if different from above):	J. Brett Calhoun	Title:	Associate Water Resources Specialist	
Department:	Environmental Planning Unit			
Mailing Address:	5750 Almaden Expressway			
City:	San Jose	Zip Code:	95118	County: Santa Clara
Telephone Number:	408-630-2653	Fax Number:	408-979-5613	
E-mail Address:	jcalhoun@valleywater.org			

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Section 2 - Provision C.2 Reporting Municipal Operations

Program Highlights and Evaluation

Highlight/summarize activities for reporting year:

Summary:

C.2.f. Corporation Yard BMP Implementation is the primary C.2 provision that the District is responsible for.

PROGRAM EVALUATION

The District owns and operates the storm water drainage systems at its facilities, which includes storm drains, catch basins, vegetated swales, open drainage ditches, utility trenches, and storm drain lines. The District owns and maintains four corporation yards: one vehicle maintenance and parking facility (Corporation Yard) and three material storage facilities (Winfield Facilities, Brokaw Storage Yard, and Camden Storage Yard). Each District corporation yard has a site specific Storm Water Pollution Prevention Plan (SWPPP). All corporation yard SWPPPs are scheduled to be updated in FY 16-17.

Storm drains outside District facilities are owned and operated by the local (city or county) jurisdictions.

The District completed the following tasks:

- 1) District Pollution Prevention Program staff provided the Facilities Management Unit with a DVD titled "Municipal Storm Water Pollution Prevention: Everyday Best Management Practices" by EXCAL Visual to be viewed by staff at unit meetings.
- 2) Continued implementation of the storm drain inspection and cleaning program.
- 3) Cleaned and reconstructed the cinder block, screen, and gravel BMPs at the Corporation Yard and Winfield facilities in May 2016.

HIGHLIGHTS AND ACCOMPLISHMENTS

Pollution prevention and pollutant reduction has continued to be a focus of District staff discussions, including general good housekeeping practices, proper BMP inspection and implementation, and the need to document follow-up actions based on Storm Water Pollution Prevention Plan (SWPPP) inspections. Storm drain inspections and cleaning work orders continue to be distributed via the District's Comcate Preventative Maintenance Program (field maintenance work-order software) for the corporation yards. Each month, facility maintenance staff inspects all storm drains at their facility and have them cleaned as needed. Inspections were completed for all District corporation yards, and BMPs were implemented according to site specific SWPPPs.

Please refer to the C.2 Municipal Operations section of the Program's FY 15-16 Annual Report for a description of program and regional activities.

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

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

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

Comments:
The District does not conduct street and road maintenance activities.

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

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

NA	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
NA	Implementation of the BASMAA Mobile Surface Cleaner Program BMPs

Comments:
The District does not conduct cleaning activities using pressure washers on sidewalks.

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

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

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

Comments:

Graffiti on District property is not removed; it continues to be painted over, predominantly by the use of rollers. We do not spray near standing or flowing water. When spraying is the preferred method, we cover the immediate area with ground cloths.

C.2.e. ► Rural Public Works Construction and Maintenance					
Does your municipality own/maintain rural ¹ roads:		<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
If your answer is No then skip to C.2.f.					
Place a Y in the boxes next to activities where applicable BMPs were implemented. If not applicable, type NA in the box and provide an explanation in the comments section below. Place an N in the boxes next to activities where applicable BMPs were not implemented for one or more of these activities during the reporting fiscal year, then in the comments section below provide an explanation of when BMPs were not implemented and the corrective actions taken.					
NA	Control of road-related erosion and sediment transport from road design, construction, maintenance, and repairs in rural areas				
NA	Identification and prioritization of rural road maintenance based on soil erosion potential, slope steepness, and stream habitat resources				
NA	No impact to creek functions including migratory fish passage during construction of roads and culverts				
NA	Inspection of rural roads for structural integrity and prevention of impact on water quality				
NA	Maintenance of rural roads adjacent to streams and riparian habitat to reduce erosion, replace damaging shotgun culverts and excessive erosion				
NA	Re-grading of unpaved rural roads to slope outward where consistent with road engineering safety standards, and installation of water bars as appropriate				
NA	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				
<p>Comments including listing increased maintenance in priority areas:</p> <p>The District maintains non-public levee roads, mitigation site roads, and access and maintenance roads on District fee title and easement lands. These roads are regularly used by District staff. Staff report any problems identified in the field and have corrective actions taken in a timely manner. Therefore, a regular inspection program is not required for District maintenance roads in rural areas.</p> <p>The District developed a Long-term Management Plan for its Coyote Ridge Preserve mitigation lands, which includes guidelines for routine inspections and maintenance of rural roads and culverts to reduce erosion potential and ensure properly functioning culverts.</p> <p>The District has been implementing the SCVURPP Program’s Rural Public Works Maintenance and Support Performance Standards and associated BMPs since 2003. District maintenance staff attended the Program’s “Rural Roads Maintenance BMPs” workshop in 2013.</p>					

¹Rural means any watershed or portion thereof that is developed with large lot home-sites, such as one acre or larger, or with primarily agricultural, grazing or open space uses.

C.2.f. ► Corporation Yard BMP Implementation	
Place an X in the boxes below that apply to your corporations yard(s):	
<input type="checkbox"/>	We do not have a corporation yard
<input type="checkbox"/>	Our corporation yard is a filed NOI facility and regulated by the California State Industrial Stormwater NPDES General Permit
<input checked="" type="checkbox"/>	We have a Stormwater Pollution Prevention Plan (SWPPP) for the Corporation Yard(s)
Place an X in the boxes below next to implemented SWPPP BMPs to indicate that these BMPs were implemented in applicable instances. If not applicable, type NA in the box. If one or more of the BMPs were not adequately implemented during the reporting fiscal year then indicate so and explain in the comments section below:	
<input checked="" type="checkbox"/>	Control of pollutant discharges to storm drains such as wash waters from cleaning vehicles and equipment
<input checked="" type="checkbox"/>	Routine inspection prior to the rainy seasons of corporation yard(s) to ensure non-stormwater discharges have not entered the storm drain system
<input checked="" type="checkbox"/>	Containment of all vehicle and equipment wash areas through plumbing to sanitary or another collection method
<input checked="" type="checkbox"/>	Use of dry cleanup methods when cleaning debris and spills from corporation yard(s) or collection of all wash water and disposing of wash water to sanitary or other location where it does not impact surface or groundwater when wet cleanup methods are used
<input checked="" type="checkbox"/>	Cover and/or berm outdoor storage areas containing waste pollutants
<p>Comments:</p> <p>District staff performs corporation yard BMP inspections to ensure compliance with the Urban Runoff Management Plan and Storm Water Pollution Prevention Plans at the following facilities:</p> <p><i>Corporation Yard</i> – The District’s Corporation Yard is located on the District’s main campus and includes vehicle maintenance and parking areas, maintenance buildings, a fueling station, wash rack, motor pool parking areas, and heavy equipment parking. The fueling station consists of a concrete-paved fuel island, an overhead canopy, a berm, and a trench to contain minor spills. The wash rack has a concrete pad which drains to an underground sump and clarifier, and ultimately discharges into the sanitary sewer system. Storm drains from Corporation Yard facilities discharge directly to Guadalupe Creek (Outfall A), Guadalupe River (Outfall B), and Alamos groundwater recharge pond. A culvert inlet protection device constructed of cinderblocks, filter fabric, and washed gravels is installed in the heavy equipment parking area at Outfall B.</p> <p><i>Winfield Facilities</i> – The District’s Winfield facility consists of supply warehouse buildings, a nursery plant storage area, outdoor general storage areas, sand/gravel storage areas, and parking areas. Storm drains from the Winfield facility discharge to Guadalupe River through the municipal storm drain system. Culvert inlet protection devices constructed of cinderblocks, filter fabric, and washed gravels are installed in all material storage areas. Storage piles are typically covered during the rainy season and when not in use.</p> <p><i>Camden Yard</i> – The District’s Camden Yard is used to store various stream maintenance related materials such as large tree trunks and large rocks. Camden Yard drains directly to Guadalupe Creek. A low berm was constructed along the perimeter of the material storage area to direct stormwater to straw wattles which are designed to settle and filter sediment before stormwater is discharged to the creek. Storage piles are typically covered during the rainy season and when not in use.</p>	

Permittee Name: Santa Clara Valley Water District

Brokaw Yard – The District’s Brokaw Yard is used to store large tree and rock material. The site is graded to allow stormwater runoff to drain into a large detention area in the middle of the site. The detention area is designed to detain runoff and settle sediment before discharging into Coyote Creek via a standing pipe and culvert. This is considered a permanent BMP.

The stormwater quality BMPs were visually inspected monthly or on an as-needed basis at Corporation Yard, Winfield Facilities, and Camden Yard. The Corporation Yard and Winfield Facilities culvert inlet protection devices were inspected and determined to be in need of reconstruction and cleaning, which occurred in May of 2016. Due to the design of the Brokaw Yard facilities, regular inspections are not required. FY 16-17 annual inspections of all four corporation yards are scheduled for September 2016 and will be performed by District staff with specialized stormwater BMP training.

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:

Permittee Name: Santa Clara Valley Water District

Corporation Yard Name	Inspection Date (1x/year required)	Inspection Findings/Results	Follow-up Actions
Corporation Yard	Non-Storm Water Inspection: 9-10-15	Raw water from water truck filling was observed, but did not reach storm drains. Cinderblock gravel filter BMP was in need of replacement. No discharge was observed. Storm drains inlet required cleaning. Garbage/refuse area required housekeeping.	NA
	Storm Water Inspection: 10-15-15	No rain. No water samples taken. BMPs were observed. No follow up necessary.	NA
	Storm Water Inspection: 12-03-15	No rain. Outfall A was covered with vegetation. Debris near Outfall B required removal. No water samples taken. BMPs were observed.	Debris removed
	Storm Water Inspection: 1-06-16	No rain. Outfall A was covered with vegetation. BMP (cinderblock gravel filter) at Outfall B was in need of replacement. Debris near Outfall B required removal. No water samples taken. Submitted Comcate request.	Vegetation Removed-staff directed to not clean out dump trucks at this location.
	Storm Water Inspection: 4-22-16	Light rain. BMP (cinderblock gravel filter) at Outfall B was in need of replacement. Soil was in need of removal under heavy equipment and near Outfalls A and B. No water samples taken. No storm water was present. Submitted Comcate request.	Soil removed and BMP at Outfall B replaced by 5-6-16.
	Non-Storm Water Inspection: 5-6-16	Rain. Outfalls A and B had turbid discharges. No water samples taken. BMPs were evaluated and catching sediment. No follow up necessary.	NA
Winfield Facilities	Non-Storm Water Inspection: 9-10-15	BMPs (cinderblock gravel filter) at storm drains near sand storage pile and plant nursery areas were in need of replacement. Sand pile needs cover or perimeter controls. General housekeeping required.	NA
	Storm Water Inspection: 10-15-15	No rain. BMPs (cinderblock gravel filter) at storm drains near sand storage pile and plant nursery areas were in need of replacement. Sand pile needs cover or perimeter controls. No water samples taken. Storm drains inlet required cleaning. No storm water was present.	NA

Permittee Name: Santa Clara Valley Water District

Winfield Facilities	Storm Water Inspection: 12-03-15	Light rain. BMPs (cinderblock gravel filter) at storm drains near sand storage pile and plant nursery areas were in need of replacement. Sand pile needs cover or perimeter controls. Storm drains inlet required cleaning. No storm water was present. Coordinating with BMP vendor.	Verbal discussion about covering the sand pile.
	Storm Water Inspection: 1-6-16	Rain. BMPs (cinderblock gravel filter) at storm drains near sand storage pile and plant nursery areas were in need of replacement. Sand pile needs cover or perimeter controls. No storm water was present. Submitted Comcate request.	NA
	Storm Water Inspection: 4-22-16	Light rain. BMPs (cinderblock gravel filter) at storm drains near sand storage pile and plant nursery areas were in need of replacement. Sand pile needs cover or perimeter controls. Soil was in need of removal near nursery. No storm water was present. Submitted Comcate request.	Soil removed and BMPs replaced by 4-29-16.
	Storm Water Inspection: 5-6-16	Rain. Storm drains had turbid discharges near sand and plant material storage areas. BMPs were evaluated and catching sediment. Sand pile needs cover or perimeter controls. Coordinating with BMP vendor for additional wattles.	NA
	Non-Storm Water Inspection: 6-27-2016	Large sand pile was moved directly adjacent to stormwater catchbasin and sand was observed falling off the pile and onto the filter fabric which covers the catchbasin. No sand or fines were discharged, but could potentially have been discharged during a rain event.	Large sand pile was relocated approx. 50-feet away from the storm water catch basin on 7/1/16.
Camden Yard	Non-Storm Water Inspection: 7-7-15	Non-storm water discharge was not observed. BMPs were observed. BMPs were effective, but follow up regarding BMPs is necessary.	Additional site visit scheduled.
	Non-Storm Water Inspection: 8-10-15	Non-storm water discharge was not observed. BMPs were observed. Follow up regarding BMPs is necessary. Site visit with stormwater specialist occurred on 8/11/15. Recommendation for maintenance provided. Grading of stormwater discharge location implemented and straw wattle reinstalled.	Grading of stormwater discharge location implemented and straw wattle reinstalled on 8/11/2015.
	Non- Storm Water Inspection: 9-10-15	Non-storm water discharge was not observed. BMPs were observed and effective.	NA

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Permittee Name: Santa Clara Valley Water District

Camden Yard	Storm Water Inspection: 10-05-15	Non-storm water discharge was not observed. BMPs were observed and effective.	NA
	Storm Water Inspection: 11-02-15	No rain. BMPs were observed and effective. Follow up regarding BMPs is not necessary.	NA
	Storm Water Inspection: 1-13-16	No rain. BMPs were observed and effective. Follow up regarding BMPs is not necessary.	NA
	Storm Water Inspection: 2-05-16	BMPs were observed and effective. Standing water clear. Follow up regarding BMPs is not necessary.	NA
	Storm Water Inspection: 3-08-16	BMPs were observed and effective. Runoff water clear. Follow up regarding BMPs is not necessary.	NA
	Storm Water Inspection: 4-19-16	BMPs were observed and effective. Dry. Follow up regarding BMPs is not necessary.	NA
	Storm Water Inspection: 5-03-16	BMPs were observed and effective. Dry. Follow up regarding BMPs is not necessary.	NA
	Non-Storm Water Inspection: 6-01-16	Non-storm water discharge was not observed. BMPs were observed. Follow up regarding BMPs is necessary.	Wattle will need to be replaced before Oct. 2016.
Brokaw Yard	Storm Water Inspection: 4-27-16	Permanent BMP was observed and effective. No discharge was observed.	NA

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

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

Provide a brief summary of the methods of implementation of Provisions C.3.a.i.(1)-(8).

Summary:
 The permitting authority for C.3 requirements are in the land use jurisdiction under which District projects are constructed.

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

Fill in attached table C.3.b.iv.(2) or attach your own table including the same information.
 Table C.3.b.iv.(2) is not applicable to the Santa Clara Valley Water District.

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

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

Summary:
 The Santa Clara Valley Water District is following the design specifications included in the SCVURPPP C.3 Stormwater Handbook, revised June 2016 (draft), only as it applies to projects conducted on District property.

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

Is your agency choosing to require 100% LID treatment onsite for all Regulated Projects and not allow alternative compliance under Provision C.3.e.?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
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Comments (optional):

C.3.e.v ► Special Projects Reporting

1. In FY 2015-16, has your agency received, but not yet granted final discretionary approval of, a development permit application for a project that has been identified as a potential Special Project based on criteria listed in MRP Provision C.3.e.ii(2) for any of the three categories of Special Projects (Categories A, B or C)?		Yes	X	No
2. In FY 2015-16, has your agency granted final discretionary approval to a Special Project? If yes, include the project in both the C.3.b.iv.(2) Table, and the C.3.e.v. Table.		Yes	X	No
<p>If you answered “Yes” to either question,</p> <ol style="list-style-type: none"> 1) Complete Table C.3.e.v. 2) Attach narrative discussion of 100% LID Feasibility or Infeasibility for each project. <p>Table C.3.e.v. is not applicable to the Santa Clara Valley Water District.</p>				

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

<p>On an annual basis, before the wet season, provide a list of newly installed (installed within the reporting year) stormwater treatment systems and HM controls to the local mosquito and vector control agency and the Water Board. The list shall include the facility locations and a description of the stormwater treatment measures and HM controls installed.</p>
<p>Table C.3.h.v.(2) is not applicable to the Santa Clara Valley Water District.</p>

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

C.3.h.v.(3) (a)-(c) and (f) are not applicable to the Santa Clara Valley Water District as the permitting authority for C.3 requirements are in the land use jurisdiction under which District projects are constructed.

Option 1 – Reporting Site Inspections	Number/Percentage
Total number of Regulated Projects (including offsite projects, and Regional Projects) in your agency’s database or tabular format at the end of the previous fiscal year (FY14-15)	0
Total number of Regulated Projects (including offsite projects, and Regional Projects) in your agency’s database or tabular format at the end of the reporting period (FY 15-16)	0
Total number of Regulated Projects (including offsite projects, and Regional Projects) for which O&M verification inspections were conducted during the reporting period (FY 15-16)	0
Percentage of the total number of Regulated Projects (including offsite projects, and Regional Projects) inspected during the reporting period (FY 15-16)	0% ¹
Option 2 – Reporting Stormwater Treatment System Inspections	
Total number of stormwater treatment and HM systems in your agency’s database or tabular format at the end of the previous fiscal year (FY 14-15)	0
Total number of stormwater treatment systems in your agency’s database or tabular format at the end of the reporting period (FY 15-16)	0
Total number of stormwater treatment and HM systems inspected in the reporting period (FY 15-16)	0
Percentage of stormwater treatment and HM systems inspected in the reporting period (FY 15-16)	0% ²

¹ Based on the number of Regulated Projects in the database or tabular format at the end of the previous fiscal year (FY 14-15), per MRP Provision C.3.h.ii.(6)(b).

² Based on the number of stormwater treatment and HM systems database or tabular format at the end of the previous fiscal year (FY 14-15), per MRP Provision C.3.h.ii.(6)(b).

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

Provide a discussion of the inspection findings for the year and any common problems encountered with various types of treatment systems and/or HM controls. This discussion should include a general comparison to the inspection findings from the previous year.

Summary:

Not applicable to the Santa Clara Valley Water District.

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

Summary:

Not applicable to the Santa Clara Valley Water District.

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

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

Summary:

Not applicable to the Santa Clara Valley Water District.

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

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

Summary:

District stormwater program staff informed capital program engineering staff of the new Municipal Regional Permit and of the new C.3 requirements and effective dates.

Please refer to the SCVURPPP FY 15-16 Annual Report for a summary of outreach efforts implemented by the Program.

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

On an annual basis, submit a list of green infrastructure projects, public and private, that are already planned for implementation during the permit term and infrastructure projects planned for implementation during the permit term that have potential for green infrastructure measures. Include the following information:

- A summary of planning or implementation status for each public and private green infrastructure project that is not also a Regulated Project as defined in Provision C.3.b.ii. (see C.3.j.ii.(2) Table B - Planned Green Infrastructure Projects).
- A summary of how each public infrastructure project with green infrastructure potential will include green infrastructure measures to the maximum extent practicable during the permit term. For any public infrastructure project where implementation of green infrastructure measures is not practicable, submit a brief description of the project and the reasons green infrastructure measures were impracticable to implement (see C.3.j.ii.(2) Table A - Public Projects Reviewed for Green Infrastructure).

Background Information:

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

The District projects are predominately water supply pipeline or flood control projects which do not lend themselves to “Green Infrastructure”. The District has several building or warehouse construction projects that have not completed the design phase. Green Infrastructure will be a part of the design as it has at the last several District projects related to traditional buildings.

The District will refer to the BASMAA “Guidance for Identifying Green Infrastructure Potential in Municipal Capital Improvement Program Projects” (May 6, 2016) for guidance on identifying and reviewing potential green infrastructure projects.

Summary of Planning or Implementation Status of Identified Projects:

This section does not apply to the Santa Clara Valley Water District as the permitting authority for C.3 requirements are in the land use jurisdiction under which District projects are constructed.

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

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

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

Additionally, the District, in cooperation with the SCVURPPP Co-Permittees, applied for and received a \$471,708 grant from the Storm Water Grant Program's Proposition 1 (Prop 1) Planning Grant administered by the State Water Resources Control Board. This grant will fund a project to develop a Storm Water Resource Plan (SWRP) for the Santa Clara Basin that will support the development and implementation of Green Infrastructure Plans with the Basin. The project will also produce a list of prioritized runoff capture and use projects eligible for future Prop 1 implementation grant funds expected to become available in 2018. The SWRP is important for identifying opportunities for communities and the District to utilize storm water and dry weather runoff and create benefits such as increased water supply, improved water quality, and reduced flood risk.

An overall funding match of over 50% will be provided. Co-Permittees will provide a funding match of 47% through contributions to SCVURPPP for county-wide Green Infrastructure Plan development tasks that directly relate to development of the SWRP. The District will provide a funding match of 3% through funds expended on conducting the stakeholder participation process for the One Water Master Plan, and through in-kind services of its staff to prepare the grant application and perform project administration and management tasks.

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

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

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

C.3.b.iv.(2) ► 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											
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Public Projects											
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Comments: This table is not applicable to the Santa Clara Valley Water District.											

⁹Include cross streets

¹⁰If a project is being constructed in phases, indicate the phase number and use a separate row entry for each phase. If not, enter "NA".

¹¹Project 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.

¹²State the watershed(s) in which the Regulated Project is located. Downstream watershed(s) may be included, but this is optional.

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

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

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

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

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

Project Name Project No.	Application Deemed Complete Date ¹⁷	Application Final Approval Date ¹⁸	Source Control Measures ¹⁹	Site Design Measures ²⁰	Treatment Systems Approved ²¹	Type of Operation & Maintenance Responsibility Mechanism ²²	Hydraulic Sizing Criteria ²³	Alternat ive Compli ance Measur es ^{24/25}	Alternative Certification ²⁶	HM Controls ^{27/28}
Private Projects										
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Comments: This table is not applicable to the Santa Clara Valley Water District.										

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

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

¹⁹List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.

²⁰List 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.

²¹List 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.).

²²List 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.

²³See 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).

²⁴For 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.

²⁵For 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.

²⁶Note whether a third party was used to certify the project design complies with Provision C.3.d.

²⁷If HM control is not required, state why not.

²⁸If HM control is required, state control method used (e.g., method to design and size device(s) or method(s) used to meet the HM Standard, and description of device(s) or method(s) used, such as detention basin(s), bioretention unit(s), regional detention basin, or in-stream control).

C.3.b.iv.(2) ► Regulated Projects Reporting Table (part 2) – Projects Approved During the Fiscal Year Reporting Period (public projects)										
Project Name Project No.	Approval Date ²⁹	Date Construction Scheduled to Begin	Source Control Measures ³⁰	Site Design Measures ³¹	Treatment Systems Approved ³²	Operation & Maintenance Responsibility Mechanism ³³	Hydraulic Sizing Criteria ³⁴	Alternative Compliance Measures ^{35/36}	Alternative Certification ³⁷	HM Controls ^{38/39}
Public Projects										
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Comments: This table is not applicable to the Santa Clara Valley Water District.										

²⁹For public projects, enter the plans and specifications approval date.

³⁰List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.

³¹List 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.

³²List 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.).

³³List the legal mechanism(s) (e.g., maintenance plan for O&M by public entity, etc...) that have been or will be used to assign responsibility for the maintenance of the post-construction stormwater treatment systems.

³⁴See 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).

³⁵For 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.

³⁶For 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.

³⁷Note whether a third party was used to certify the project design complies with Provision C.3.d.

³⁸If HM control is not required, state why not.

³⁹If 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).

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C.3.h.v.(2). ► Table of Newly Installed⁴⁰ Stormwater Treatment Systems and Hydromodification Management (HM) Controls (Optional)

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

On October 1, 2016, SCVURPPP will submit these tables to vector control agencies to fulfill this requirement.

The Santa Clara Valley Water District is not the permitting agency and the District has not installed any new Treatment or Hydromodification Management Controls.

Name of Facility	Address of Facility	Party Responsible ⁴¹ For Maintenance	Type of Treatment/HM Control(s)
NA	NA	NA	NA

⁴⁰ "Newly Installed" includes those facilities for which the final installation inspection was performed during this reporting year.

⁴¹ State the responsible operator for installed stormwater treatment systems and HM controls.

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C.3.e.v. Special Projects Reporting Table												
Reporting Period – July 1 2015 - June 30, 2016												
Project Name & No.	Permittee	Address	Application Submittal Date ⁴²	Status ⁴³	Description ⁴⁴	Site Total Acreage	Gross Density DU/Acre	Density FAR	Special Project Category ⁴⁵	LID Treatment Reduction Credit Available ⁴⁶	List of LID Stormwater Treatment Systems ⁴⁷	List of Non-LID Stormwater Treatment Systems ⁴⁸
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Comments: This table is not applicable to the Santa Clara Valley Water District.												

⁴²Date that a planning application for the Special Project was submitted.

⁴³Indicate 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.

⁴⁴Type of project (commercial, mixed-use, residential), number of floors, number of units, type of parking, and other relevant information.

⁴⁵For each applicable Special Project Category, list the specific criteria applied to determine applicability. For each non-applicable Special Project Category, indicate n/a.

⁴⁶For 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.

⁴⁷: 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.

⁴⁸List 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.

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C.3.j.ii.(2) ► Table A - Public Projects Reviewed for Green Infrastructure				
Project Name and Location ⁴³	Project Description	Status ⁴⁴	GI Included? ⁴⁵	Description of GI Measures Considered and/or Proposed or Why GI is Impracticable to Implement ⁴⁶
None	None	None	None	None

C.3.j.ii.(2) ► Table B - Planned Green Infrastructure Projects			
Project Name and Location ⁴⁷	Project Description	Planning or Implementation Status	Green Infrastructure Measures Included
None	None	None	None

⁴³ List each public project that is going through your agency’s process for identifying projects with green infrastructure potential.

⁴⁴ Indicate status of project, such as: beginning design, under design (or X% design), projected completion date, completed final design date, etc.

⁴⁵ Enter “Yes” if project will include GI measures, “No” if GI measures are impracticable to implement, or “TBD” if this has not yet been determined.

⁴⁶ Provide a summary of how each public infrastructure project with green infrastructure potential will include green infrastructure measures to the maximum extent practicable during the permit term. If review of the project indicates that implementation of green infrastructure measures is not practicable, provide the reasons why green infrastructure measures are impracticable to implement.

⁴⁷ List each planned (and expected to be funded) public and private green infrastructure project that is not also a Regulated Project as defined in Provision C.3.b.ii. Note that funding for green infrastructure components may be anticipated but is not guaranteed to be available or sufficient.

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

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

Summary:
 Not applicable to the Santa Clara Valley Water District.

C.4.b.iii ► Potential Facilities List

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

Not applicable to the Santa Clara Valley Water District.

C.4.d.iii.(1)(a) ► Facility Inspections

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

NA	Permittee reports multiple discrete violations on a site as one violation.
NA	Permittee reports the total number of discrete violations on each site.

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

Comments:
 Not applicable to the Santa Clara Valley Water District.

C.4.d.iii.(1)(b) ▶ Frequency and Types/Categories of Violations Observed

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

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

Comments:
Not applicable to the Santa Clara Valley Water District.

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

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

	Enforcement Action (as listed in ERP) ¹	Number of Enforcement Actions Taken	% of Enforcement Actions Taken ²
Level 1	NA	NA	NA
Level 2	NA	NA	NA
Level 3	NA	NA	NA
Level 4	NA	NA	NA
Total	NA	NA	NA

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

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

Business Category ³	Number of Actual Discharge Violations	Number of Potential/Other Discharge Violations
NA	NA	NA

¹Agencies to list specific enforcement actions as defined in their ERPs.

²Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.

³List your Program's standard business categories.

C.4.d.iii.(1)(d) ▶ Non-Filers

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

Not applicable to the Santa Clara Valley Water District.

C.4.e.iii ▶ Staff Training Summary

Training Name	Training Dates	Topics Covered	No. of Industrial/ Commercial Site Inspectors in Attendance	Percent of Industrial/ Commercial Site Inspectors in Attendance	No. of IDDE Inspectors in Attendance	Percent of IDDE Inspectors in Attendance
NA	NA	NA	NA	NA	NA	NA

Comments:

Not applicable to the Santa Clara Valley Water District.

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

Program Highlights and Evaluation

Highlight/summarize activities for reporting year:

Provide background information, highlights, trends, etc.

Summary:

PROGRAM HIGHLIGHTS

Emergency Response Program

The District addresses illicit connection/illegal dumping (IC/ID) incidents effectively through its hazardous materials “Emergency Response” (ER) Program. The District received and responded to a total of 117 emergency response reports throughout Santa Clara County during FY 15-16. This was 18 reports more than in FY 14-15. Of the 117 total incidents reported during the last fiscal year, 108 were within the jurisdiction of the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 115 were actual or potential discharge events, and 88 required a field response by a team member or members for general investigation, source identification, multi-agency coordination, and clean up or evidence collection. The District is one of the few Santa Clara County Permittees that has 24-hour availability to conduct storm water pollution investigations. District staff will, as needed, investigate and collect evidence at a site that can later be transferred to the appropriate jurisdictional authority on the next business day. Jurisdictional authority could reside with a co-permittee, state, or federal agency. The District responded within target field response time 100% of the time for all incidents requiring urgent field response.

Water Resource Protection Ordinance Code Enforcement Program

To protect District owned public lands, the District regulates non-District use of the agency’s property through the Water Resources Protection Ordinance. The Water Resources Protection Manual, which includes measures to protect the riparian corridor, is utilized for case development. For FY 15-16, the Community Projects Review Unit’s Code Enforcement Program processed 220 cases. Of the 220 cases, encroachment violations accounted for 54% of the cases. Encroachments (unauthorized private use of District’s property) often occur on creekside or near-creekside lands and can have negative impacts on the stream environment due to increased erosion from irrigation and overland drainage, the potential for the introduction of pesticides into the creek, planting of non-native and invasive plant species in the riparian corridor, grading of creek banks, and dumping. The District has been protecting creekside public lands by remediating encroachments for over 40 years. Approximately 12% of the cases were for illegal dumping on District property, which is predominately creekside. Dumped items consisted of materials such as soil, yard clippings, and pet waste. Drainage issues included discharges to creeks from backyard pools.

Water Waste Inspector Program

In September 2014, the Water Supply Planning and Conservation Unit initiated the Water Waste Inspector Program and created advertisements for how people can report water waste to the District. Water Waste reports are received from citizens through Access Valley Water, the Drought Hotline (408-630-2000), and via email through Drought@valleywater.org. These reports are dispatched to one of three Water Waste Inspectors, who then visit the site and inspect for water waste, leaks, etc. The Water Waste Inspectors make direct contact with homeowners or business owners, leave educational materials if no one is there, or contact the appropriate retailer or municipality to address the issue. For FY 15-16, the Water Supply Planning and Conservation Unit processed 4,864 reports on water waste. Of these, 925 reports were water leaks from broken plumbing and irrigation systems, and 3,939 were for other types of water waste, such as overspray onto pavement and watering during the wrong time of day. Excessive watering, overspray onto impervious surfaces, and leaking irrigations systems can all be mechanisms for the transport of urban pollutants such as oils, herbicides, pesticides, fertilizers and lawn clippings to creeks, which can ultimately lead to a significant degradation

of stream water quality. One goal of the Water Waste Inspector Program is to address all water waste reports within 24 hours. In FY 15-16, all 4,864 water waste reports were responded to and resolved.

PROGRAM EVALUATION

The ER Program is recognized as an effective and timely means of addressing acute contaminants that are illegally dumped or discharged to District waterways, reservoirs, lands, and facilities. The Emergency Response Program’s performance was evaluated by three mechanisms during FY14-15: (1) within the context of the District’s Safe Clean Water and Natural Flood Protection Program (semi-annually); (2) by an external ISO 9000/14000 surveillance audit; and (3) by submission of the previous Annual Report to the SFBRWQCB.

ADDITIONAL ACTIVITIES

Members of the Program staff represent the District in the Program’s Industrial and Commercial Business Inspection and Illicit Discharge Detection and Elimination (IND/IDDE) Ad Hoc Task Group and the BASMAA Municipal Operations Committee. Please refer to the C.5 Illicit Discharge Detection and Elimination section of the Program’s FY 15-16 Annual Report for a description of countywide and regional level activities.

C.5.c.iii ► Complaint and Spill Response Phone Number			
List below or attach your complaint and spill response phone number			
1-888-510-5151			
Provide your complaint and spill response web address, if used			
http://www.valleywater.org/services/pollutionhotline.aspx			
Is a screen shot of your website showing the central contact point attached?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If No, explain:			
Provide a discussion of how the central contact point (complaint and spill response phone number and, if used, web address) is being publicized to your staff and the public.			
The pollution hotline is used to report the presence of hazardous and non-hazardous pollutants that acutely impact or threaten District-owned surface waters.			
<ol style="list-style-type: none"> 1. The caller is greeted by an automated message and asked to record information about the incident. 2. The hotline then notifies a District responder to make a return call to the reporting party and assess the information. 			
If the situation warrants, District staff investigates further or refers the incident for timely response.			

C.5.d.iii.(1), (2), (3) ► Spill and Discharge Complaint Tracking		
Spill and Discharge Complaint Tracking (fill out the following table or include an attachment of the following information)		
	Number	Percentage
Discharges reported (C.5.d.iii.(1))	117	
Discharges reaching storm drains and/or receiving waters (C.5.d.iii.(2))	77	65%
Discharges resolved in a timely manner (C.5.d.iii.(3))	117	100%
<p>Comments:</p> <p>The District addresses illicit connection/illegal dumping (IC/ID) incidents effectively through its hazardous materials "Emergency Response" (ER) Program. This aggressive 24-7 program responds reactively to IC/ID incidents by providing referral and inter-agency cooperation and/or conducting field investigation and clean-up activities as appropriate. The ER Program may be contacted via the Pollution Hotline (1-888-510-5151), which is advertised on the District's internal and external websites, as well as in occasional fliers, countywide mailers, and various memos. The Hotline is also advertised on the Santa Clara Valley Urban Runoff Pollution Prevention Program's website. The ER Team routinely responds to about 100 reported incidents per year as reported by District field workers, staff from other agencies, and members of the general public.</p> <p>The District received and responded to a total of 117 emergency response reports throughout Santa Clara County during FY 15-16. Of the 117 total incidents reported during the last fiscal year, 108 were within the jurisdiction of the SFBRWQCB, 115 were actual or potential discharge events, and 88 required a field response by a team member or members for general investigation, source identification, multi-agency coordination, and clean</p>		

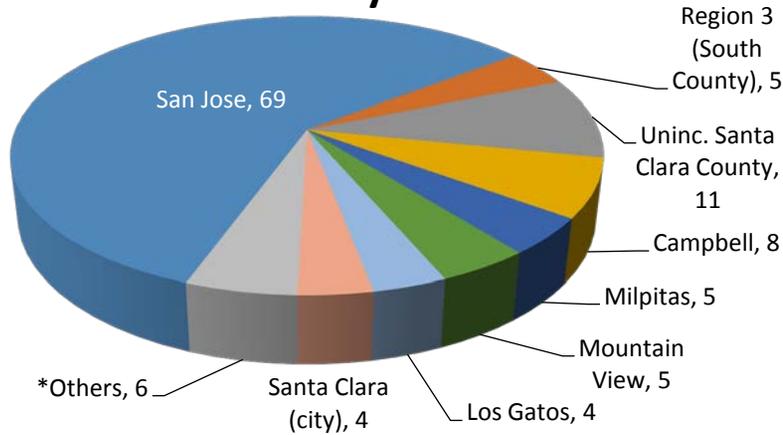
up or evidence collection. Incidents were sorted into cases of actual, potential, or no discharge. When pollutants were contained within a securely lidded container, these data were considered “potential” discharges as they had been prevented from reaching storm drains/receiving waters. Incidents were classified as “no discharge” if responders were unable to confirm physical evidence of a discharge. All other incidents were considered to fall under the definition of “actual” discharge as defined by the IND/IDDE Ad Hoc Task Group: “an active non-storm water discharge or clear evidence of a recent discharge”. The cases are shared below in a table as well as a pie chart.

To protect District owned public lands, the District regulates non-District use of the agency’s property through the Water Resources Protection Ordinance. The Water Resources Protection Manual, which includes measures to protect the riparian corridor, is utilized for case development. For FY 15-16, the Community Projects Review Unit’s Code Enforcement Program processed 220 cases. Of the 220 cases, encroachment violations accounted for 54% of the cases. Encroachments (unauthorized private use of District’s property) often occur on creekside or near-creekside lands and can have negative impacts on the stream environment due to increased erosion from irrigation and overland drainage, the potential for the introduction of pesticides into the creek, planting of non-native and invasive plant species in the riparian corridor, grading of creek banks, and dumping. Approximately 12% of the cases were for illegal dumping on District property which is predominately creekside. Dumped items consisted of materials such as soil, yard clippings, and pet waste. Drainage issues included discharges to creeks from backyard pools.

For FY 15-16, the Water Supply Planning and Conservation Unit processed and resolved 4,864 reports on water waste. Of these, 925 reports were water leaks from broken plumbing and irrigation systems, and 3,939 were for other types of water waste, such as overspray onto pavement or watering during the wrong time of day. The cases are shared below in a table as well as a pie chart. Water Waste reports are received from citizens through Access Valley Water, the Drought Hotline (408-630-2000) and via email through Drought@valleywater.org. These reports are dispatched to one of three Water Waste Inspectors, who then visit the site and inspect for water waste, leaks, etc. The Water Waste Inspectors make direct contact with homeowners or business owners, leave educational materials if no one is there, or contact the appropriate retailer or municipality to address the issue. Excessive watering, overspray onto impervious surfaces and leaking irrigations systems can all be mechanisms for the transport of urban pollutants such as oils, herbicides, pesticides, fertilizers and lawn clippings to creeks which can ultimately lead to a significant degradation of stream water quality. One goal of the Water Waste Inspector Program is to address all water waste reports within 24 hours. In FY 15-16, all 4,864 water waste reports were responded to and resolved.

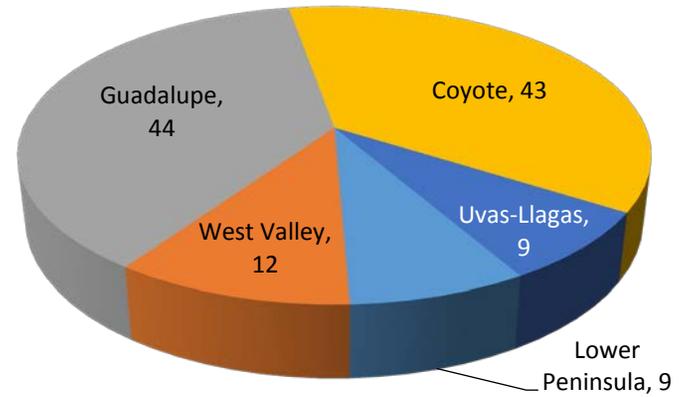
Emergency Response Program Discharges and Complaints by Jurisdiction, Watershed, and Pollutant Type:

Incidents by Jurisdiction

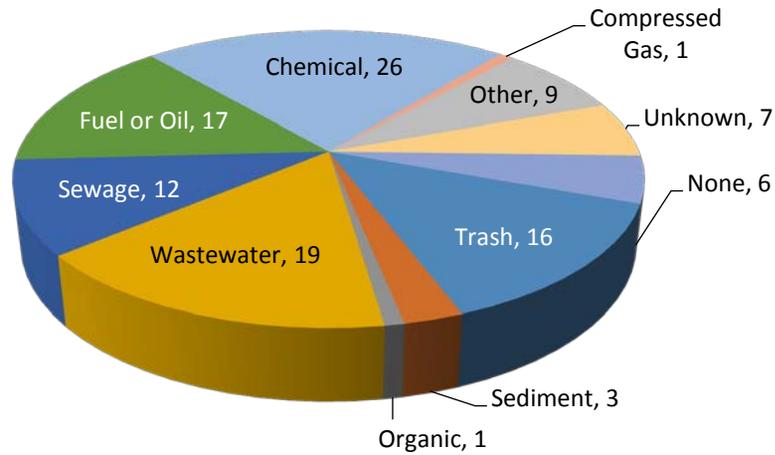


*Others = Campbell (1), Los Altos (1), Los Altos Hills (1), Milpitas (1), Monte Sereno (1), Saratoga (1)

Incidents by Watershed



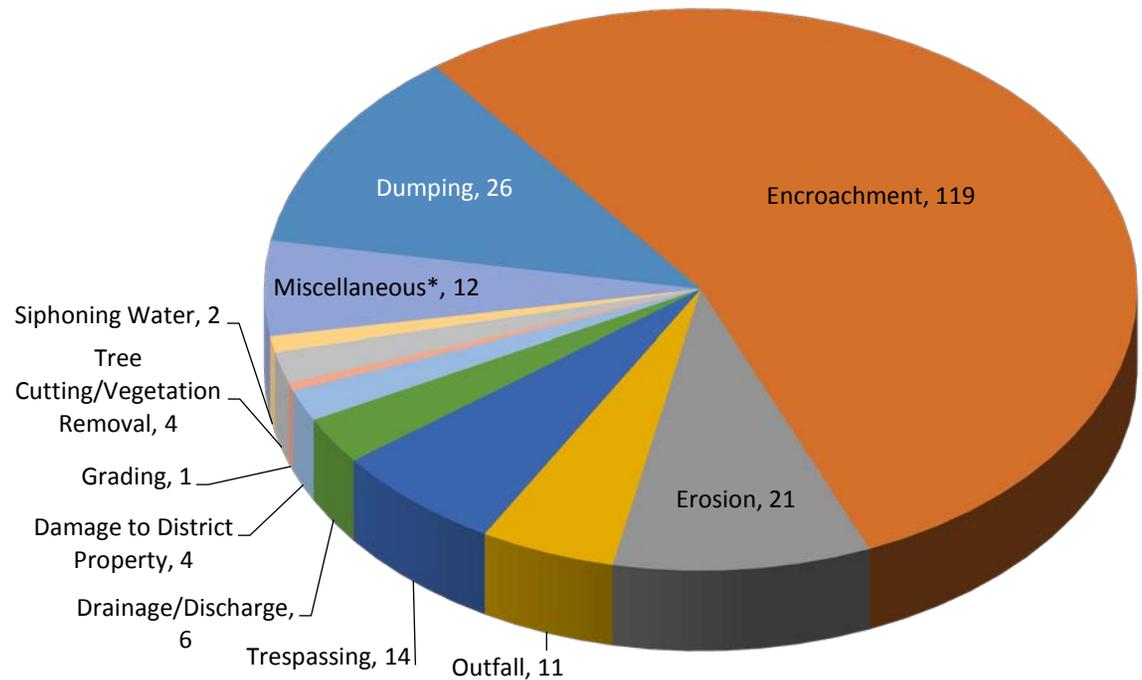
Pollutants by Type



Code Enforcement Program Table and Pie Chart

Violation Issues	Count	%
Dumping	26	12%
Encroachment	119	54%
Erosion	21	10%
Outfall	11	5%
Trespassing	14	6%
Drainage/Discharge	6	3%
Damage to Dist Property	4	2%
Grading	1	0%
Tree Cutting/Vegetation Removal	4	2%
Siphoning Water	2	1%
Miscellaneous*	12	5%
Total counted	220	100%

Reports from Community Projects Review Unit

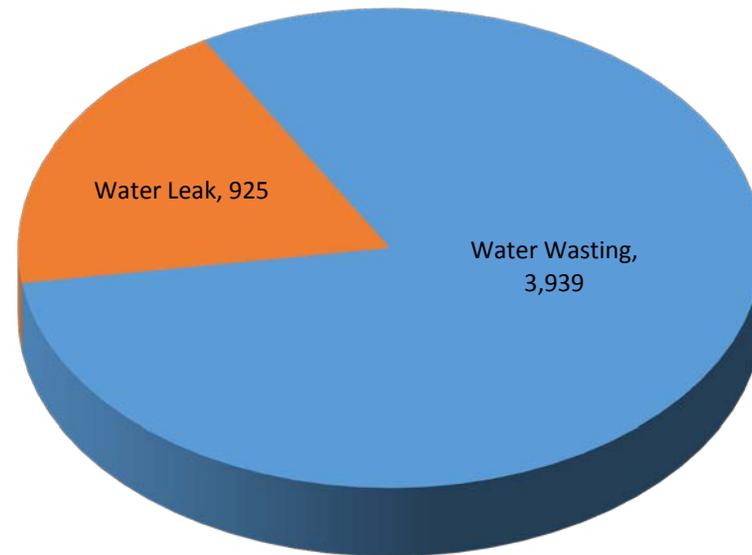


*Miscellaneous: Failing storm drain and other issues referred to County of Santa Clara and various cities.

Water Waste Reports Table and Pie Chart

Violation Issues	Count	%
Water Wasting	3,939	81%
Water Leak	925	19%
Total counted	4,864	100%

Reports from Water Supply Planning and Conservation Unit



C.5.f.iii ► MS4 Map Availability

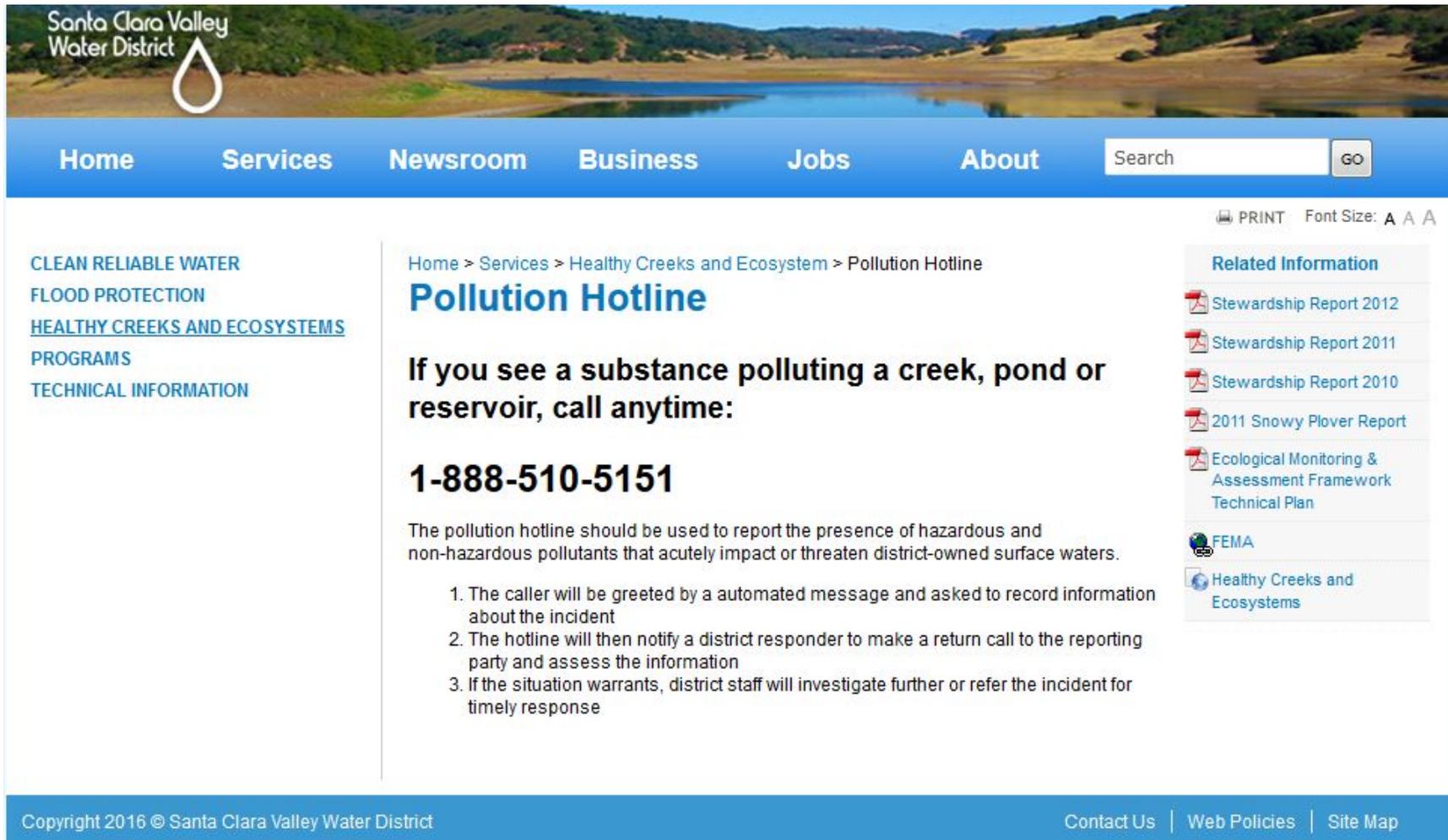
Discuss how you make your MS4 map available to the public and how you publicize the availability of the MS4 map.

The SCVURPPP website provides links to a series of maps and guide books to creeks and watershed features in the San Francisco Bay Area, including the location of municipal storm drains that are 24-inches or more in diameter. Links are available at http://www.scvurppp-w2k.com/museum_maps.shtml.

Additionally, the “Watching Our Watersheds” project provides interactive map layers of creeks, urban drainage network, watersheds, baylands, and points of interest in Santa Clara County. Links are available at the District website www.valleywater.org/wow.aspx to download files which are viewable in Google Earth.

These watershed maps were prepared by Fugro Consultants, Inc. with the San Francisco Estuary Institute, the Oakland Museum of California, CLEAN South Bay, and many other collaborators and colleagues.

C.5.c.iii – Website Screenshot of Complaint and Spill Response Phone Number



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Section 6 – Provision C.6 Construction Site Controls

C.6.e.iii.(1) ► Hillside Development Criteria			
What criteria is your agency using to determine hillside development areas?	<input type="checkbox"/>	Local criteria such as maps of hillside development areas or other written criteria	<input checked="" type="checkbox"/> The permit definition of projects on sites with $\geq 15\%$ slope
Attach a copy of hillside development area maps or provide your written criteria below, if applicable.			
Description:			

C.6.e.iii.2.a, b, c ▶ Site/Inspection Totals		
Number of High Priority Sites (sites disturbing < 1 acre of soil requiring storm water runoff quality inspection) (C.6.e.iii.1.a)	Number of sites disturbing ≥ 1 acre of soil (C.6.e.iii.1.b)	Total number of storm water runoff quality inspections conducted (include only High Priority Site and sites disturbing 1 acre or more) (C.6.e.iii.1.c)
1	7	94
<p>Comments:</p> <p>A total of 118 inspections were conducted during FY 15-16 on District construction sites. Of these inspections, 91 were on sites disturbing 1 acre or more of soil and 3 were on a high priority site disturbing less than 1 acre of soil. The remaining 24 inspections were on other sites which disturbed less than 1 acre of soil without being high priority sites.</p> <p>There were 7 sites that required monthly, wet season inspections. District inspectors conducted monthly inspections on 5 of these sites. The other 2 sites were managed by Construction Management (CM) firms which conducted weekly inspections on behalf of the District.</p> <p>All construction sites (including 5 sites not requiring inspection under MRP 2.0), as well as the number of inspections conducted at each site, are listed below.</p> <p><i>High priority sites disturbing less than one acre inspected by District inspectors:</i></p> <ul style="list-style-type: none"> • Stevens Creek Evelyn Bridge Fish Passage Project (3 inspections) <p><i>Sites disturbing greater than one acre inspected by District inspectors:</i></p> <ul style="list-style-type: none"> • Lower Silver Creek Flood Protection and Restoration Project, Reaches 5C & 6A (6 inspections) • RWTP Residuals Management and Treated Water Valves Upgrade Project (11 inspections) • Lower Silver Creek Flood Protection and Restoration Project, Reaches 6B (12 inspections) • Wolfe Road Recycle Water Facility Project (2 inspections) • Penitencia Delivery Main and Penitencia Force Main Seismic Retrofit Project (2 inspections) <p><i>Sites disturbing greater than one acre and/or high priority inspected by CM firm inspectors:</i></p> <ul style="list-style-type: none"> • Lower Berryessa Creek Flood Protection Project (18 inspections) • Rinconada Water Treatment Plant Reliability Improvement Project (40 inspections) <p><i>Sites not requiring inspection (non-high priority sites disturbing less than one acre) inspected by District inspectors:</i></p> <ul style="list-style-type: none"> • Water Treatment Plant Seismic Retrofit Project, RWTP and Vasona (11 inspections) • Potable Water (SVAWPC) (8 inspections) • Snell Pipeline Rehabilitation Project (STWTP to Coyote Creek) (3 inspections) • Seismic Retrofit of IRP2 & PWTP Clearwall Project (0 inspections, scheduled to commence October 2016) • Fluoridation at Water Treatment Plants Project (2 inspections) <p>The FY 15-16 Construction Site Inspections table of all inspections conducted by District inspectors is included with this section as Attachment 1. The FY 15-16 Construction Site Inspections table of all inspections conducted by CM firm inspectors is included with this section as Attachment 2.</p>		

C.6.e.iii.2.d ▶ Construction Activities Storm Water Violations		
BMP Category	Number of Violations ¹ excluding Verbal Warnings	% of Total Violations ²
Erosion Control	11	12%
Run-on and Run-off Control	1	1%
Sediment Control	29	33%
Active Treatment Systems	0	0%
Good Site Management	32	36%
Non Stormwater Management	16	18%
Total³	89	100%

C.6.e.iii.2.e ▶ Construction Related Storm Water Enforcement Actions			
	Enforcement Action (as listed in ERP) ⁴	Number Enforcement Actions Issued	% Enforcement Actions Issued ⁵
Level 1 ⁶	Verbal Warning	47	98%
Level 2	Written Warning	1	2%
Level 3	Administrative Action	0	0%
Level 4	Stop Work Order	0	0%
Total		48	100%

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

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

³The total number of violations may count more than one violation per inspection, since some inspections may result in violations in more than one category. For example, during one inspection of a site, there may have been both an erosion control violation and a sediment control violation. For this reason, the total number of violations in this table may not match the total number of enforcement actions reported in Table C6.e.iii.1.e.

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

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

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

C.6.e.iii.2.f, g ► Illicit Discharges	
	Number
Number of illicit discharges, actual and those inferred through evidence at high priority sites and sites that disturb 1 acre or more of land (C.6.e.iii.1.f)	1
Number of sites with discharges, actual and those inferred through evidence at high priority sites and sites that disturb 1 acre or more of land (C.6.e.iii.1.g)	1

C.6.e.iii.2.h, i ► Violation Correction Times		
	Number	Percent
Violations (excluding verbal warnings) fully corrected within 10 business days after violations are discovered or otherwise considered corrected in a timely period (C.6.e.iii.1.h)	60	67% ⁷
Violations (excluding verbal warnings) not fully corrected within 30 days after violations are discovered (C.6.e.iii.1.i)	29	33% ⁸
Total number of violations (excluding verbal warnings) for the reporting year ⁹	89	100%
Comments: The District's ERP Level 1 includes verbal warning along with the transmittal of the inspection report to the construction contractor. Therefore, all violations are included in this tally of violations. Note: number of violations were counted as number of problems observed for each BMP category per inspection.		

C.6.e.iii.(4) ► 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: This year, the District had a total of 89 violations reported during construction site inspections. This is down from 91 total violations for FY 14-15. Of these 89 violations, most were Level 1- Verbal Warning which included transmittal of the inspection report to the construction contractor. One violation was a written warning and illicit discharge, which was quickly resolved. 60 of the 89 violations were corrected within 10 days or otherwise considered corrected in a timely period. 29 of the 89 violations were corrected after 30 days. The majority of these violations concerned erosion control, sediment control, good site management and non-stormwater management problems. For more information, see the FY 15-16 Construction Site Inspections tables (Attachments 1 and 2).

⁷Calculated 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.
⁸Calculated 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.
⁹The total number of violations reported in the table of Violation Correction Times equals the number of initial enforcement actions, i.e., this assumes one violation is issued for several problems during an inspection at a site. The total number of violations in the table of Violation Correction Times may not equal the total number of enforcement actions because one violation issued at a site may have a second enforcement action for the same violation at the next inspection if it is not corrected.

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

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

Description:

The District continued to use the monthly inspection sheet developed in FY 02-03, and updated in FY 2010-2011, to facilitate compliance and follow up inspections.

The Construction Inspection Unit continues to use the Incident Response/Pollution Prevention Hotline to contact District Pollution Prevention staff to report construction sites that are creating discharges.

In FY 15-16, stormwater inspections were performed by a District or CM firm Qualified SWPPP Practitioner (QSP) on a systematic weekly or monthly basis on all construction projects in addition to regular SWPPP inspections conducted by the contractor’s inspectors.

For stormwater inspections conducted by District QSPs and CM firm QSPs, the number of violations corrected within 10 days increased from 18% in FY 14-15 to 67% in FY 15-16. Although this is an improvement, further adjustments are necessary to ensure problems are addressed in a more timely manner.

Planned changes for 2016-2017 include:

- Updating the construction site inspection Enforcement Response Plan in the fall of 2016;
- Updating the construction site inspection form in the fall of 2016;
- Provide additional SWPPP inspection training at the District in the fall of 2016 with a focus on the use of written violations and escalating enforcement as necessary;
- Implement the use of a more efficient inspection tracking system in the fall of 2016;
- Increase Environmental Planning Unit oversight by reviewing inspection reports monthly;
- Update the standard written violation letters;
- Implement a three step formal written letter hierarchy to elevate the situational awareness of violations that are not adequately addressed within 10 days to the Unit Manager, and should the violation continue, elevate the situation to the Deputy Operating Officer level and State and local regulators;
- Improve coordination between District units to more effectively identify projects requiring inspection under MRP 2.0.

In 2014-2015, the Construction Services Unit made an improvement to the manner in which stormwater inspections were performed. Beginning in September 2014, a specific individual inspector was assigned to perform monthly stormwater inspections at each construction site. This step ensures that sites are inspected systematically and consistently on a monthly basis, and also provides an inspection that is independent from the full-time on-site construction inspector. In FY 15-16, the inspections were conducted with contractor personnel present and inspection results were transmitted directly to the contractor by the inspector. Although this improvement to communication helped reduce the time to address violations, additional measures are required. The District will continue to perform inspections, communicate clearly to our contractors, and escalate enforcement actions when necessary.

The FY 15-16 Construction Site Inspections tables are included with this section as Attachments 1 and 2.

Refer to the C.6 Construction Site Control section of SCVURPPP FY 15-16 Annual Report) for a description of Program and regional activities.

C.6.f ▶ Staff Training Summary				
Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance	
SCVURPPP Construction Site Stormwater Inspection Workshop	1/20/2016, 1/22/2016	Stormwater inspection requirements for General Permit and Municipal Regional Permit	8	80%
SCVURPPP Construction Site Stormwater Inspection Workshop	5/6/2015	Stormwater inspection requirements for General Permit and Municipal Regional Permit	0	0%
Annual SCVWD Stormwater Construction Site Inspection Workshop	9/29/2014, 10/15/2014	Stormwater inspection requirements for General Permit and Municipal Regional Permit	7	78%
Qualified SWPPP Practitioner Training	Various dates	QSP specific training	5	50%

FY 15-16 Construction Site Inspections Table

Site Name (WDID No.)	Contract No. Project No.	Notice to begin work date	Notice of Contract Completion	Completion of Site Work	Site Disturbs 1 Acre of Soil or more	Risk Level	Inspection Month	Date Inspection Complete	Inspector	Weather During Inspection	Enforcement	Problems Observed						Verified Contractor's On- site Logs Present and Updated	Specific Problems	Resolution	Problem Corrected w/in 10 Days or otherwise in timely manner	Problem Corrected After 30 Days	Comments/Rationale for Longer Compliance Time
												Erosion Control	Run-on & Runoff	Sediment Control	Active Treatment	Good Site Management	Non-Stormwater Management						
Lower Silver Creek Flood Protection and Restoration Project, Reaches 5C & 6A (WDID No. 2 43C364694)	C0580 40264008	5/14/2012		11/20/2015	Yes	2	July	7/8/2015	F. P.		Verbal Warning			x		x	x	No	1. North east entrance at Murtha Dr. is unstabilized. Provide stabilization materials to prevent soil tracking onto sidewalk and pavement 2. Misc. trash found at Moss Pt. east access storage area and D/S Story Rd along new Concrete Barrier Rail. Provide and utilize trash receptacles where needed. 3. Run-on controls for SD outfall discharges are not installed. 4. Remove trapped stagnant water U/S of Murtha Ave.	Need More Time		x	Item 4 corrected within 10 days
							August	8/10/2015	Other		Written Warning						x	No	Observed dewatering pumping operation discharging directly into waterway. Provided contractor verbal direction to halt activity immediately. Activity was halted immediately and corrective action taken prior to resuming operation.	Problem Fixed	x		
							August	8/19/2015	F. P.		Verbal Warning			x		x	x	No	1. Accesses at Murtha Ave. and S.E. Story Rd. are active and unstabilized. Install BMP stabilization feature or sweep as needed 2. Soil stockpile adjacent Story Rd. diversion pipe outlet needs sediment containment BMP to prevent spillage into live channel flow. Install ASAP 3. Gather and dispose of misc. trash and waste constr. materials at all active work sites. 4. Run-on controls at SD outfalls are not installed. Install where necessary. 5. Stabilized entries and waste management facilities are not installed	Need More Time		x	Item 1 corrected within 10 days
							September	9/10/2015	F. P.		Verbal Warning			x		x	x	Yes	1. Accesses at Murtha Ave. and S.E. Story Rd. are active and unstabilized. Install BMP stabilization feature or sweep as needed. 2. Soil and boulder stockpile above Story Rd. diversion pipe outlet needs containment BMP to prevent spillage into live channel flow. Install ASAP. 3. Gather and dispose of misc. trash and waste constr. materials at all active work sites. Provide waste receptacles. 4. Run-on controls at SD outfalls are not installed. Install where necessary. 5. Remove trapped stagnant water So. of Story Rd. and North of Moss Pt. 6. Stabilized entries and waste management facilities are not installed as per approved SWPPP.	Need More Time		x	Items 1, 4, and 5 corrected within 10 days
							October	10/13/2015	F. P.		Verbal Warning	x		x		x	x	Yes	1. All D/I's are in need of maintenance. 2. Revised - at south side Moss Pt. winterize slopes following removal of coffer dam and diversion piping. 3. Gather and dispose of misc. litter and waste constr. materials at all active work sites. Remove and dispose used paint cans at Moss Pt. Provide waste receptacles. 4. Material stock piles in Home Depot staging area need perimeter protection. 5. Stabilized entries and waste management facilities are not installed as per approved SWPPP.	Problem Fixed	x		
							November	11/16/2015	F. P.		Verbal Warning				x		x	No	1. 1) Remove waste concrete pile from inside SD field inlet at 184+25 LT. 2) Maint. DI north side Story Rd. +/-150' west of RCB 2. 1) Remove misc. litter at Home Depot storage area. 2) At Story Rd. (north & south) remove 2-traffic delineators in channel. 3) Remove concrete stakes and steel staples at 185+11 conc. swale. 3. PM has not performed site inspections since completion of in-channel work at end of Oct. Site inspections should cont. thru. completion of work.	Problem Fixed	x		Work substantially Completed 11-20-2015
							December																
January																							
February																							
March																							
April																							
May																							
June																							

FY 15-16 Construction Site Inspections Table

Site Name (WDID No.)	Contract No. Project No.	Notice to begin work date	Notice of Contract Completion	Completion of Site Work	Site Disturbs 1 Acre of Soil or more	Risk Level	Inspection Month	Date Inspection Complete	Inspector	Weather During Inspection	Enforcement	Problems Observed						Verified Contractor's On- site Logs Present and Updated	Specific Problems	Resolution	Problem Corrected w/in 10 Days or otherwise in timely manner	Problem Corrected After 30 Days	Comments/Rationale for Longer Compliance Time						
												Erosion Control	Run-on & Runoff	Sediment Control	Active Treatment	Good Site Management	Non-Stormwater Management							Illicit Discharge					
RWTP Residuals Management and Treated Water Valves Upgrade Project (WDID No. 2 43C370653)	C0591 93294051, 93294056	9/30/2013	Active Site	Active Site	Yes	2	July	7/10/2015	F. P.		Verbal Warning			x		x	x		Yes	1. Soil is tracking onto pavement from north access of main staging area. Improve access stabilization. 2. Wattles around staging area are deteriorated and in need of replacement. Reinstall/reinforce silt fence east of gravity thickener and adjacent to quarry fines stockpile. 3. Pick up and dispose of misc. trash adjacent to materials stockpiles for connector road. 4. Inspection reports logged by Jason Rivera are missing between 5-11-15 to 7-6-15. 5. No fiber rolls around connector road work area.	Need More Time		x						
							August	8/10/2015	F. P.		Verbal Warning			x			x			Yes	1. Repair or replace flattened or deteriorated wattles around staging area. Anchor down bottom of silt fence adjacent to MH east of gravity thickener. 2. Pick up and dispose of misc. trash spread on ground throughout staging area.	Problem Fixed	x						
							September	9/9/2015	F. P.		Verbal Warning			x			x			Yes	1. Stabilize accesses to 1. lay down site north of filter basins and 2. east of connector road, or sweep as needed. 2. SD DI at top of connector rd. needs maint. At lower connector rd., east side above conc. drain, pull back soil pressed against silt fence and straw wattle. 3. Revise SWPPP site plan to address change in responsible areas.	Problem Fixed	x						
							October	10/8/2015	F. P.		Verbal Warning	x		x			x			Yes	1. SD DI at top of connector rd. needs maintenance. New storm DI's around load out slab are live and unprotected. Install protection BMP. 2. Bare slopes at both sides of connector rd. need erosion control feature. For record only: Fiber rolls incorrectly inst'd at Mods 6-9, re-install per BMP SE-5. 3. Revise SWPPP site plan to address change in responsible areas due to Balfour Beatty.	Need More Time		x	Item 1 was corrected within 10 days				
							November	11/17/2015	F. P.		Verbal Warning	x		x			x			Yes	1. Install BMP protection at (a) trench drains east and west of load-out structure and (b) 3 new DI's adjacent to connector road. Secure silt fence at 2-loc. east of centrifuge. 2. On slope below bottom of connector rd, pull back built-up sediment against 2-wattles. 3. At 2-bare and dist. areas install erosion control feature 1) bare slope below bot. of conn. rd. and 2) e. side of conc. SD interceptor box (at conc. V-ditch) 4. Revise and submit SWPPP site plan to address change in responsible areas due to Balfour Beatty.	Need More Time		x	Item 1 and 2 corrected within 10 days				
							December	12/8/2015	F. P.		Verbal Warning	x								Yes	1. At 2-bare and disturb. areas inst. erosion cntrf feature 1) bare slope below bot. of conn. rd. & 2) E. side of conc. SD interceptor box (at conc. V-ditch)	Problem Fixed	x						
							January	1/20/2016	F. P.		Verbal Warning	x		x						Yes	1. 2-D.I.'s, 1 at +/- 50' so. of PAC bldg. and the other near S.E. cor. of PAC bldg. are in need of maint. 2. Inst. erosion control feature at 3 locations, 1) bare slope below bottom conn. rd., 2) bare soil east side of conc. SD interceptor, 3) on slope below MH east of centrifuge. 3. Run-off control is needed to prevent slope erosion below MH.	Need More Time		x	Item 1 corrected within 10 days				
							February	2/10/2016	F. P.		Verbal Warning	x		x						Yes	1. 2-D.I.'s are in need of maint., A) near S.E. cor. of PAC bldg. and B) east of load-out structure. 2. DI in Centrifuge Feed Pump Sta. is unprotected. 3. Open 5-gal bucket of petroleum liquid near porta-toilets. 4. Trash and litter on the ground near porta-toilets should be picked up and properly disposed. 5. On-site coating material containers stored in Centrifuge Feed Pump Sta. and on grd. near porta-toilets are not in secondary containment.	Problem Fixed	x		Ongoing Commissioning Phase				
							March																			Ongoing Commissioning Phase			
							April	4/7/2016	J. L.		Verbal Warning											x		No	Testing delayed due to a clog at Centrifuge #1 Drain line. Informed contractor of this issue. Contractor crew completed clog removal and performed clean up at this clog location.	Problem Fixed	x		Ongoing Commissioning Phase
							May	5/2/2016	J. L.		Verbal Warning											x		No	Leak encountered at polymer pump #1 (Plastic fittings). Preston Pipeline Laborer replaced / repaired fittings.	Problem Fixed	x		Ongoing Commissioning Phase
							June	6/28/2016	J. L.		Verbal Warning											x		No	RWTP Maintenance informed me two sealed barrels filled with waste (Polymer) needs to be in double containment. Informed contractor of this issue. Containers placed in double containment on July 5, 2016.	Problem Fixed	x		Ongoing Commissioning Phase

FY 15-16 Construction Site Inspections Table

Site Name (WDID No.)	Contract No. Project No.	Notice to begin work date	Notice of Contract Completion	Completion of Site Work	Site Disturbs 1 Acre of Soil or more	Risk Level	Inspection Month	Date Inspection Complete	Inspector	Weather During Inspection	Enforcement	Problems Observed						Verified Contractor's On- site Logs Present and Updated	Specific Problems	Resolution	Problem Corrected w/in 10 Days or otherwise in timely manner	Problem Corrected After 30 Days	Comments/Rationale for Longer Compliance Time	
												Erosion Control	Run-on & Runoff	Sediment Control	Active Treatment	Good Site Management	Non-Stormwater Management							Illicit Discharge
Lower Silver Creek Flood Protection and Restoration Project, Reach 6B (WDID No. 2 43C364694)	C0594 40264008	7/14/2014	Active Site	Active Site	Yes	2	July	7/9/2015	F. P.		Verbal Warning			x		x			No	1. NPDES permit require installation of run-on controls. Run-on controls at SD outfalls are not installed. 2. Remove trapped degrading water north of Ocala and maintain dry conditions, see Arts. 6.33, 6.38 (Good Neighbor). 3. Onsite binder shows most recent report from 6-4-15. Binder should be current and updated weekly. 4. Current site plan does not meet CASQA and NDPES requirements. Revise and resubmit site plan.	Need More Time		x	
							August	8/13/2015	F. P.		Verbal Warning			x		x			No	1. Install stabilization feature at Moss Pt. accesses. 2. Gather and dispose of misc. trash on ground at Moss Pt. east access entrance. 3. NPDES permit require installation of run-on controls. Run-on controls at SD outfalls are not installed. 4. Remove trapped degrading water north of Ocala and maintain dry conditions, see Arts. 6.33, 6.38 (Good Neighbor). 5. Binder is not onsite and available for District review. 6. Current site plan does not meet CASQA and NDPES requirements. Revise and resubmit site plan.	Need More Time		x	Item 1 corrected within 10 days
							September	9/10/2015	F. P.		Verbal Warning			x		x			Yes	1. At Cunningham soil is tracking onto street from truck traffic. Current BMP in use is not effective in preventing erosion. 2. DI at NE corner of Ocala and Ridgmont Dr. needs maint. 3. Remove trapped degrading water north of Ocala, see Arts. 6.33, 6.38 (Good Neighbor). This may be a poss. public safety issue. (entrapment, mosquitos). 4. Log is onsite, there are gaps in weekly inspections.	Need More Time		x	
							October	10/7/2015	J. L.		Verbal Warning					x			No	Observed sediment tracked onto roadway this morning and at the same time observed two laborers scraping/removing and cleaning roadway; informed superintendent of observation.	Problem Fixed		x	
							November	11/16/2015	F. P.		No Action								No	1. 3-Protected DI's at Cunningham should be restored to pre-construction condition for winter season.	No Problem Found			Project is Winterized, will follow up on field inspection log book at start of next work season approx. May 2016. Updated site plan is in progress.
							December	12/7/2015	F. P.		No Action											No Problem Found		Project is Winterized, will follow up on field inspection log book at start of next work season approx. May 2016. Updated site plan is in progress.
							January	1/14/2016	F. P.		No Action											No Problem Found		Project is Winterized, will follow up on field inspection log book at start of next work season approx. May 2016. Revised site plan has been submitted and is in review.
							February	2/3/2016	F. P.		No Action											No Problem Found		Project is Winterized, will follow up on field inspection log book at start of next work season approx. May 2016. Revised site plan has been submitted and is in review.
							March	3/31/2016	Other		No Action											No Problem Found		Project is Winterized, will follow up on field inspection log book at start of next work season approx. May 2016. Revised site plan has been submitted and is in review.
							April	4/30/2016	Other		No Action											No Problem Found		Project is Winterized, will follow up on field inspection log book at start of next work season approx. May 2016. Revised site plan has been submitted and is in review.
							May	5/31/2016	N.J		No Action											No Problem Found		Field Work Resumed 5/2/2016
							June	6/17/2016	N.J		No Action											No Problem Found		

FY 15-16 Construction Site Inspections Table

Site Name (WDID No.)	Contract No. Project No.	Notice to begin work date	Notice of Contract Completion	Completion of Site Work	Site Disturbs 1 Acre of Soil or more	Risk Level	Inspection Month	Date Inspection Complete	Inspector	Weather During Inspection	Enforcement	Problems Observed						Verified Contractor's On-site Logs Present and Updated	Specific Problems	Resolution	Problem Corrected w/in 10 Days or otherwise in timely manner	Problem Corrected After 30 Days	Comments/Rationale for Longer Compliance Time						
												Erosion Control	Run-on & Runoff	Sediment Control	Active Treatment	Good Site Management	Non-Stormwater Management							Illicit Discharge					
Water Treatment Plant Seismic Retrofit Project, RWTP and Vasona (IRP2)	C0596 93764003	8/11/2014		5/27/2016	No	N/A	July	7/10/2015	F. P.		Verbal Warning					x			Yes	Site plan does not include RWTP OPS bldg.	Problem Fixed	x							
							August	8/10/2015	F. P.		No Action											Yes		No Problem Found					
							September	9/9/2015	F. P.		Verbal Warning											x		Yes	1. Found oil spills covered with oil absorbant material on pave. at east end of Amoroso staging area. See BMP NS-10 & WM-4. 2. Site plan does not include RWTP OPS bldg. and surrounding area	Problem Fixed	x		
							October	10/8/2015	F. P.		Verbal Warning											x		Yes	1. Oil spills at east end of Amoroso staging area remain and are being treated on an as needed basis. 2. Site plan does not include RWTP OPS bldg., clearwells, or any related exterior work with-in the surrounding area. Request that site plan is revised as noted.	Problem Fixed	x		
							November	11/17/2015	F. P.		No Action													Yes		No Problem Found			
							December	12/8/2015	F. P.		No Action													Yes		No Problem Found			
							January	1/12/2016	F. P.		No Action													Yes		No Problem Found			
							February	2/5/2016	F. P.		Verbal Warning											x		Yes	1. 2-DI's are in need of maint. A) near SW cor. of Amoroso field office, and B) +/- 50' west of Amoroso field office (under pine tree).	Problem Fixed	x		
							March	3/31/2016	C.H		No Action															No Problem Found			
							April	4/30/2016	C.H		No Action															No Problem Found			
							May	5/27/2016	C.H		No Action															No Problem Found			Work Substantially Completed 5-27-2016
							Potable Water (SVAWPC)	C0602 91184008	5/22/2015		3/18/2016	No	N/A	July															
August	8/26/2015	F. P.		No Action																			Yes		No Problem Found			Commenced Field work on 8-3-2015	
September	9/11/2015	F. P.		Verbal Warning																				Yes	Gather and contain, or dispose, of misc. waste materials on side of conex box	Problem Fixed	x		
October	10/9/2015	F. P.		Verbal Warning																				No	Foreman was not able to confirm to me that weekly inspections have been performed and documented.	Problem Fixed	x		
November	11/17/2015	F. P.		No Action																				Yes		No Problem Found			
December	12/7/2015	F. P.		No Action																						No Problem Found			Construction work is suspended until Jan. 2016
January	1/15/2016	F. P.		No Action																				Yes		No Problem Found			
February	2/3/2016	F. P.		Verbal Warning																					No	1. 2- DI's need maint. a) at +/- 20' so. of Citric Acid Feed pumps, b) so. of SVAWPC process bldg., adjacent to CU-102 2. Weekly inspection reports are not up to date.	Problem Fixed	x	
March	3/11/2016	S.A		Verbal Warning															1. Water coming out of the tap is bluish-green. Looks like the copper 'patina' residue. 2. Overflowing/non-stop toilet in the Ops building bathroom	Problem Fixed	x		Field Work Completed 3-18-2016 District Biologist, Joe Chavez conducted his final closing biological survey.						
Stevens Creek Evelyn Bridge Fish Passage Project	C0606 26044002	9/24/2015	12/22/2016	12/20/2015	No	N/A	July																						
							August																						
							September	9/30/2015	M. P.		No Action															No Problem Found			Construction Field Work Commenced 9/24/2015
							October	10/15/2015	M. P.		Verbal Warning	x												Yes	1. The ingress/egress ramp is currently not protected from erosion. However, creek dry and rainfall monitored so will be secured before rain	Need More Time		x	
							November	11/2/2015	M. P.		Verbal Warning	x												Yes	1. The ingress/egress ramp is currently not protected from erosion. 2. Stored materials in stockpiled area not covered. Material contained behind fiber roll. 3. Water receding but did flow through site. Both above and below site had suspended sediment; water medium brown in color	Problem Fixed	x		Field Work substantially Completed 11-20-2015
December																													
January																													
February																													
March																													
April																													
May																													
June																													

FY 15-16 Construction Site Inspections Table
(Construction Management Firm Inspections)

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

Program Highlights and Evaluation

Highlight/summarize activities for reporting year:

PROGRAM EVALUATION

The District serves a community of nearly 1.9 million countywide and has excellent outreach programs to many sectors of the community. Key elements include:

- An impressive and popular Water Resources Education Outreach Program
- A growing Adopt-A-Creek Program
- Creek cleanup events supporting citizen participation
- Attendance at community events targeting the general public
- The District's Grant Program provided funding to several programs that included community engagement and public outreach components, such as conducting trash cleanup events, implementing docent-led walks, and creating interpretive displays.

The District's website continues to provide updates to the community, including storm water pollution prevention messages. Our on-line maintenance request form (Access Valley Water) empowers citizens to report dumping or waterway-related problems and allows them to send messages to the appropriate watershed staff. The site also includes a link to the Santa Clara Valley Urban Runoff Pollution Prevention Program where other storm water pollution prevention program materials can be found.

The District's Water Resources Education Outreach program serves a diverse population and responds to the needs of the schools throughout the County. Programming is consistent with State standards and regularly integrates messages and issues of other District programs and units. The program provides age-appropriate classroom presentations, teacher in-service training in water education, and tours of outdoor classrooms, water treatment plants and the new Silicon Valley Advanced Water Purification Center in order to help children understand and appreciate their local water resources. Classroom presentations include:

- hands-on experiments
- information on watersheds
- urban runoff
- pollution prevention
- flood plains
- conservations tips
- water awareness activities
- flood protection
- information about careers in the water industry
- emergency preparedness
- environmental science

Programs and tours are provided free to schools in Santa Clara County. Schools outside the county can also receive free tours.

HIGHLIGHTS AND ACCOMPLISHMENTS

In FY 15-16, the District's Communications Unit and Water Supply Planning and Conservation Unit staffed a total of 86 outreach events and provided 19 tours.

The District has a very active Water Resources Education Outreach Program (WREOP) that reached a total of 24,039 participants in FY 15-16. This is broken down below in further detail:

- 16,264 total students reached from pre-school to college through;
 - 552 direct in-classroom programs at 121 different Santa Clara County schools,
 - 16 tours provided at our outdoor classroom facilities
 - Edith Morley Park, Alamitos Recharge Ponds, Alviso Outdoor Classroom, Coyote Creek Outdoor Classroom 15 student outreach events at various Science, Technology, Engineering, Art & Math (STEAM) events, summer camps or science nights
- 3 tours at the Silicon Valley Advanced Water Purification Plant
- 796 teachers reached through direct in-classroom programs and 6 educator training workshops *(note: details included in C7.d section)*
- New this year - 1,084 people reached through 32 public library programs *(note: details included in section C.7.d)*

In addition to staffing outreach events, the District's Water Supply Planning and Conservation Unit gave water conservation presentations at an additional 28 events and conducted 11 Graywater Workshops to the community. Events included various venues throughout the county, including at libraries, churches, businesses, nurseries, festivals, and District events.

Please see the District's Education Outreach FY 2015-2016 Year-end Report (Attachment 1) and Water Education Outreach brochure (Attachment 2) for a more detailed summary of our programs.

The District provided significant support for the following public outreach and citizen involvement events:

National River Cleanup Day and Coastal Cleanup Day – the District chairs Creek Connections Action Group, providing meeting support and supplies, coordinating the site coordinator training and supply pickup meetings, manning the phones on the day of the events and reporting results to the California Coastal Commission on Coastal Cleanup Day. The District also provides pickup and disposal of the collected trash from approximately half the sites of both events.

The District administers the Adopt-A-Creek Program, assigning adoption areas and providing cleanup supplies and pickup of collected trash.

Additionally, the District launched "Valley Water News," an official online news web page created to increase community engagement and reach a larger number of people (www.valleywaternews.org).

C.7.b.i.1 ► Outreach Campaign

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

Summary:

The District uses numerous methods to conduct outreach, including written brochures, radio, newspaper, social media (e.g., Facebook and Twitter), website, blogs, public transportation bus back ads, in-class presentations, library programs, educational tours, community events and workshops. Additionally, the District recently launched "Valley Water News," an official online news web page created to increase community engagement and reach a larger number of people (www.valleywaternews.org). The wide variety of outreach methods increases the probability that the messages are being received and understood. Combining all these different methods is very effective at meeting our public education goals. The variety of outreach methods also ensures that many segments of the Santa Clara Valley population are being reached, including residents, businesses, students, as well as people from other locations. The District evaluates the different outreach methods with the use of surveys, evaluation forms and verbal feedback and continuously seeks to improve messages and outreach methods. We work collaboratively with many other agencies and organizations such as SCVURPPP, BASMAA, and the Watershed Watch campaign to conduct outreach and will continue these partnerships in the future.

See Section 7 and Section 9 of the SCVURPPP FY 16-17 Annual Report for a description of activities conducted at Countywide level. In addition, the following separate reports developed by SCVURPPP summarize Countywide efforts conducted during FY 15-16:

- FY 15-16 Watershed Watch Campaign Annual Campaign Report
- FY 15-16 Watershed Watch Partner Report
- FY 15-16 Watershed Watch Web Statistics Report

These reports are included within the C.7 Public Information and Outreach section of the SCVURPPP FY 15-16 Annual Report.

Permittee Name: Santa Clara Valley Water District

C.7.c. Stormwater Pollution Prevention Education	
Provide details of website or phone number used as the point of contact for information on stormwater issues. Report on how the point of contact is publicized and maintained. Certify that your agency maintains a website (or refers to a regional website) to provide information on stormwater issues, watershed characteristics, and stormwater pollution prevention alternatives.	
Local stormwater phone number(s)	1-888-510-5151
Local/Regional stormwater website(s)	<p>The District provides updates to the community, including stormwater pollution prevention messages, at www.valleywater.org/Services/TakingCareofStreams.aspx. The site includes a link to the Santa Clara Valley Urban Runoff Pollution Prevention Program (http://scvurppp-w2k.com/) where other storm water pollution prevention program materials can be found.</p> <p>The District also provides information on stormwater issues through SCVURPPP's Watershed Watch Campaign website www.MyWatershedWatch.org.</p>
<p>Outreach: The C.7 Public Information and Outreach section of SCVURPPP 15-16 Annual Report describes efforts conducted by SCVURPPP to publicize stormwater points of contact. The Watershed Watch website is listed on all SCVURPPP outreach materials, including brochures, giveaways, and advertisements. In addition, the local stormwater phone numbers are listed on all outreach brochures, depending on space available.</p> <p>Additional District outreach includes:</p> <p>1) Access Valley Water (http://www.valleywater.org/avwapp/) is a real-time way to send requests, questions, complaints and compliments directly to the Santa Clara Valley Water District. Citizens can report water waste, trash or downed trees near a creek, graffiti, illegal dumping, or other problems near creeks from a computer or by downloading the Access Valley Water app on a mobile device. This also enables users to check on status and receive messages from the District as a request is processed. Issues reported to Access Valley Water that are found to be outside of District jurisdiction are forwarded to the appropriate government entity. Access Valley Water response time is typically five days or less.</p> <p>2) Valley Water News (http://valleywaternews.org) is a newly launched online news web page created to increase community engagement and reach a larger number of people regarding District information and issues.</p> <p>3) The District Pollution Hotline (1-888-510-5151; www.valleywater.org/Services/PollutionHotline.aspx) receives and responds to emergency response reports throughout Santa Clara County. The District is one of the few Santa Clara County Permittees that has 24-hour availability to conduct storm water pollution investigations. The District staff will, as needed, investigate and collect evidence at a site that can later be transferred to the appropriate jurisdictional authority during the next regularly scheduled business hours. Jurisdictional authority could reside with a co-permittee, state or federal agency. Further information is provided in Section C.5 of this report.</p>	

C.7.d ► Public Outreach and Citizen Involvement Events

Describe general approach to event selection. Provide a list of outreach materials and giveaways distributed. Use the following table for reporting and evaluating public outreach events.

The District's Water Resources Education Outreach Program (WREOP), part of the District Communications Unit, staffed 52 public and 15 student outreach events in FY15-16. The District hosted 10 tours at the Alamos Recharge Ponds including one home school, one daisy troop, one AP Chemistry class and the State-wide Water Educator's Committee. The WREOP conducted four tours at Edith Morley Outdoor Classroom, one tour at Alviso Outdoor Classroom, and one tour for San Jose State's Water Resource Management class at the Coyote Creek Outdoor Classroom. Additionally, three tours were given at the Santa Clara Valley Advanced Water Purification Center; one for the State -wide Water Educator's Committee, one for high school students visiting from Japan, and one for middle school students from Adventure STEM Herman Institute participating in our Purification Plant Pilot tour. We distributed 2,760 "You are the Solution to Water Pollution" brochures to classroom teachers, as well as 640 "You are the Solution to Water Pollution" brochures at 32 library visits. The WREOP also facilitated 6 educator workshops, training teachers, environmental educators, school administrators, and volunteers, exponentially increasing the number of students exposed to water education.

The District's Water Supply Planning and Conservation Unit staffed 17 outreach events, presented at an additional 28 events, and conducted 11 Graywater Workshops to the community. Events included various venues throughout the county, including at libraries, churches, businesses, nurseries, festivals, and District events.

The District provided significant support for the following citizen involvement events:

National River Cleanup Day and Coastal Cleanup Day – the District chairs Creek Connections Action Group, providing meeting support and supplies, coordinating the site coordinator training and supply pickup meetings, manning the phones on the day of the events and reporting results to the California Coastal Commission on Coastal Cleanup Day. The District also provides pickup and disposal of the collected trash from approximately half the sites of both events.

The District administers the Adopt-A-Creek Program, providing cleanup supplies, assigning adoption areas, and pickup of collected trash.

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C.7 – Public Information and Outreach

Permittee Name: Santa Clara Valley Water District

The following table details public outreach and citizen involvement events conducted by the District's Communications Unit in FY 15-16. See Section 7 of the SCVURPPP FY 15-16 Annual Report for a description of events conducted at the Countywide level.

Event Details	Description (messages, audience)	Evaluation of Effectiveness
Provide event name, date, and location. Indicate if event is local, countywide or regional.	Identify type of event (e.g., school fair, creek clean-up, storm drain stenciling, farmers market etc.), type of audience (school children, gardeners, homeowners etc.) and outreach messages (e.g., 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"> • Success at reaching a broad spectrum of the community • Number of participants compared to previous years. • Post-event effectiveness assessment/evaluation results • Quantity/volume of materials cleaned up, and comparisons to previous efforts
Water Resources Education Outreach Program Public Outreach	Description	Evaluation of Effectiveness
Name: Coyote Valley Family Harvest Feast Date: September 19, 2015 Location: 550 Palm Ave, Morgan Hill 95037 Region: Countywide	Type of Event: Community Harvest Fair-Tabling Event Audience: Santa Clara County Families with children Messages: Exploring hidden water in the food we eat and the products we buy. Drought awareness, pollution prevention, water conservation, District facts and rebate opportunities.	General Feedback: Great event, lots of opportunities for dialogue. Estimated Overall Event Attendance: 400 Number of Brochures/Flyers Distributed: Unreported Number of Giveaways Distributed: 100
Name: Pumpkins In The Park Date: October 10, 2015 Location: 438 Coleman Ave, San Jose 95110 Guadalupe River Park Region: Community	Type of Event: Community Fair - Tabling Event Audience: San Jose Families with children Messages: Storm water pollution prevention, less-toxic pest control, proper disposal of HHW, drought awareness, water conservation, District facts and rebate opportunities.	General Feedback: This is a great event for educating families with small children. Estimated Overall Event Attendance: 1500 Number of Brochures/Flyers Distributed: Unreported Number of Giveaways Distributed: 300
Name: SCVAWPC Open House Date: October 24, 2015 Location: 4190 Zanker Road, San Jose 95134 Region: Countywide	Type of Event: Community Event Open House at SCVAWPC Audience: County residences Messages: Water purification process, need for SCVAWPC and purified water of future water supply, drought awareness and water conservation.	General Feedback: Lots of activities, Water Olympics, A-maze-ing Water, button-making activity, Banana Slug String Band. Estimated Overall Event Attendance: 250 Number of Brochures/Flyers Distributed: unreported Number of Giveaways Distributed: 250
Name: Silicon Valley Reads	Type of Event: Community event at SCVAWPC	General Feedback: The event was well-attended and offered an

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C.7 – Public Information and Outreach

Permittee Name: Santa Clara Valley Water District

<p>Date: February 20, 2016 Location: SCVAWPC 4190 Zanker Road, San Jose 95134 Region: County</p>	<p>Audience: County residents Messages: Water purification process, need for SCVAWPC and purified water of future water supply, drought awareness and water conservation.</p>	<p>excellent opportunity to learn about issues pertaining to the drought, county water supply, water conservation and pollution prevention. Intern, Judith Durden dressed as mascot H2OCool. Estimated overall attendance:100 Numbers of Brochures/Flyers Distributed: Unreported Number of Giveaways Distributed: Unreported</p>
<p>Name: Children's Discovery Museum Question Quest Date: March 29-30, 2016 Location: Children's Discovery Museum 180 Woz Way, San Jose 95110 Region: Community</p>	<p>Type of Event: Education Fair Audience: Santa Clara County Students with their parents and teachers Messages: Water science and awareness, pollution prevention, District resources.</p>	<p>General Feedback: Very positive. Sink or Float, Water Olympics, and Puppet Show activities were successful. Estimated Overall Event Attendance: 450 Number of Brochures/Flyers Distributed: Unreported Number of Giveaways Distributed: Unreported</p>
<p>Name: R5K Gilroy Earth Day Date: April 16, 2016 Location: 7049 Miller Ave. Gilroy, 95020 Region: Community</p>	<p>Type of Event: Fun Run & Environmental Resource Fair Audience: Gilroy residents Messages: Groundwater significance, stormwater pollution prevention, District resources.</p>	<p>General Feedback: Groundwater Model demonstrates the importance of ground water, especially in south county. Estimated Overall Event Attendance: 50 Number of Brochures/Flyers Distributed: 50 Number of Giveaways Distributed: 50</p>
<p>Name: SCVWD Earth Day Event Date: April 21, 2016 Location: SCVWD 5750 Almaden Expressway, San Jose 95118 Region: Community</p>	<p>Type of Event: Earth Day Celebration Audience: Primarily District Staff with a few friends and family Messages: Water conservation and watershed protection connection to diet and lifestyle.</p>	<p>General Feedback: Very positive. "Hidden Water Scale" was very interactive, sparked a lot of dialogue. Estimated Overall Event Attendance: 250 Number of Brochures/Flyers Distributed: Unreported Number of Giveaways Distributed: Unreported</p>
<p>Name: Morgan Hill Earth Day Date: April 22, 2016 Location: 17000 Monterey Road, Morgan Hill 95037 Region: Community</p>	<p>Type of Event: Education Fair Audience: Girl Scouts, troop leaders, parents Messages: Using Enviroscape, stormwater pollution prevention, watershed stewardship, water conservation, District resources.</p>	<p>General Feedback: Enviroscape is a great way to demonstrate pollution impact on water resources. Estimated Overall Event Attendance: 95 Number of Brochures/Flyers Distributed: 95 Number of Giveaways Distributed: 95</p>
<p>Name: Great Race for Saving Water 5K fun run/walk and Earth Day festival Date: April 30, 2016 Location: 1900 Geng Road, Palo Alto 94303 Region: Community</p>	<p>Type of Event: Community Fair - Tabling Event Audience: Palo Alto residents Messages: Conservation, watershed stewardship, pollution prevention, District resources.</p>	<p>General Feedback: Incredible Journey activity reminds people of the complex water cycle and our limited freshwater resources. Estimated Overall Event Attendance: 200 Number of Brochures/Flyers Distributed: Unreported Number of Giveaways Distributed: 100</p>
<p>Name: Sunnyvale Fit & Fun Fair Date: April 30, 2016 Location: 785 Morse Ave. Region: Community</p>	<p>Type of Event: Community Fair - Tabling Event Audience: Sunnyvale residents Messages: Conservation, watershed stewardship, pollution prevention, District resources.</p>	<p>General Feedback: Incredible Journey activity and mascot H2OCool were popular. Estimated Overall Event Attendance: 250 Number of Brochures/Flyers Distributed: Unreported Number of Giveaways Distributed: 100</p>
<p>Name: Boy Scout Expo</p>	<p>Type of Event: Community Fair - Tabling Event</p>	<p>General Feedback: Water Wheel and Water Olympics were</p>

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C.7 – Public Information and Outreach

Permittee Name: Santa Clara Valley Water District

Date: May 7, 2016 Location: 1650 Senter Road, San Jose 95112 Region: County	Audience: Santa Clara County Boy Scouts and their families Messages: Conservation, watershed stewardship, pollution prevention, District resources.	popular. Incredible Journey was successful too. Estimated Overall Event Attendance: 800 Number of Brochures/Flyers Distributed: Unreported Number of Giveaways Distributed: Estimated 300
Name: St. Mary's Parish/St. Catherine's Parish Date: May 5, 2016 & May 22, 2016 Location: 11 1 st St. Gilroy 95020 17400 Peak Ave, Morgan Hill, 95037	Type of Event: Tabling Event Audience: South county Spanish speaking community Messages: Water conservation, watershed stewardship, stormwater pollution prevention, District resources.	General Feedback: Great way to reach more communities. Estimated Overall Event Attendance: 105 Number of Brochures/Flyers Distributed: 105 Number of Giveaways Distributed: 105
Water Resources Education Outreach Program Library Outreach	Description	Evaluation of Effectiveness
Name: San Jose Public Library – educational programming Date: March, April, & May 2016 Location: San Jose City Public Libraries 32 different libraries Region: Community	Type of Event: Library Audience: San Jose city library visitors, families with children Messages: Water conservation, water awareness, District awareness and available resources for families through brochures/flyers distributed, stories, songs and coloring sheets.	General Feedback: Great way to do ongoing community outreach through Little Blue Hen or Weather Stories Kamishibi. 32 different libraries with 20 brochures distributed at each library. Estimated Overall Event Attendance: 1084 Number of Brochures/Flyers Distributed: 640 Number of Giveaways Distributed: 1084
Water Resources Education Outreach Program Educator Workshops	Description	Evaluation of Effectiveness
Name: West Valley College Date: October 20, 2015 Region: County	Type of Event: Education– Educator Workshop Audience: West Valley College students seeking Certified Interpretive Guide and California Naturalist certificates. Message: History of water in Santa Clara Valley. Used SCVWD materials and programs to display methods of teaching and interpretation.	General Feedback: Positive Event Attendance: 30 Number of Brochures/Flyers Distributed: 30 Number of Giveaways Distributed: 30
Name: Project WET Facilitator Training Date: January 22, 2016 Location: Santa Clara Valley Water District, 5750 Almaden Expressway, San Jose 95118 Region: State	Type of Event: Education– Educator Workshop Audience: Teachers, environmental educators and administrative staff traveled from all over the state to attend this workshop. Message: Facilitator workshop training educators to teach Project WET to other educators. Project WET curriculum includes educational programs relating to pollution prevention, water conservation, water science, as well as historical, social, economic and environmental issues revolving around water.	General Feedback: We received positive feedback through evaluation surveys. This Workshop allows educators to facilitate Project WET trainings, thus expanding water education throughout the state. Every educator trained can then host workshops training 25 educators at a time in water resource curriculum, exponentially increasing the number of students exposed to water education. Event Attendance: 20 Number of Brochures/Flyers Distributed: 20 Number of Giveaways Distributed: 20
Name: Project WET Training Water Education	Type of Event: Education- Educator Workshop	General Feedback: Well-attended event by Santa Clara County

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C.7 – Public Information and Outreach

Permittee Name: Santa Clara Valley Water District

<p>for Teachers Date: January 23, 2016 Location: Santa Clara Valley Water District, 5750 Almaden Expressway, San Jose 95118 Region: County Educators</p>	<p>Audience: Santa Clara County teachers & environmental educators Message: Project WET curriculum includes educational activities relating to pollution prevention, water conservation, water science, as well as historical, social, economic and environmental issues revolving around water globally and locally.</p>	<p>educators and facilitators. We received positive feedback through evaluation surveys and requests for additional trainings. Teachers will use this curriculum and materials for years to come. Estimated Overall Event Attendance: 26 Number of Brochures/Flyers Distributed: 26 Number of Giveaways Distributed: 26</p>
<p>Name: Peninsula and South Bay Watershed Forum Date: May 23, 2016 Location: Don Edwards National Wildlife Refuge, 1751 Grand Blvd, Alviso 95002 Region: County Educators</p>	<p>Type of Event: Education – Educator Workshop Audience: Santa Clara County teachers & environmental educators Messages: Climate change, drought awareness, pollution prevention.</p>	<p>Literature and materials provided for event Estimated Overall Event Attendance: 25 Number of Brochures/Flyers Distributed: Unreported Number of Giveaways Distributed: 25</p>
<p>Name: Statewide Water Educators' Committee bi-annual meeting Date: June 6-8, 2016 Location: Santa Clara Valley Water District, 5750 Almaden Expressway, San Jose 95118 Region: CA Educators</p>	<p>Type of Event: Education – Educator Workshop Audience: Water educators in CA. Teachers, environmental educators and administrative staff traveled from all over the state to attend this workshop. Messages: Climate change, drought awareness, pollution prevention, new curriculum, aligning with NGSS, resources and networking.</p>	<p>General Feedback: Positive, great opportunity for networking and resource sharing. Estimated Overall Event Attendance: 50 Number of Brochures/Flyers Distributed: 50 Number of Giveaways Distributed: 50</p>
<p>Name: Environmental Volunteers Annual Meeting Date: June 14, 2016 Location: 2560 Embarcadero Rd, Palo Alto 94303 Region: Community</p>	<p>Type of Event: Education – Educator Workshop Audience: Primarily Santa Clara County teachers, environmental educators and volunteers. Messages: Curriculum, programs and activities on topics including Climate Change, pollution prevention, drought and water awareness.</p>	<p>General Feedback: Positive Estimated Overall Event Attendance: 45 Number of Brochures/Flyers Distributed: 45 Number of Giveaways Distributed: 45</p>
<p>Name: Santa Clara University Date: May 4, 2016 Location: 500 El Camino Real, Santa Clara 95050 Region: Community</p>	<p>Type of Event: Education – Educator Workshop Audience: Graduate Students pursuing Master degrees in Environmental Education and related fields. Messages: Project WET mini-training covering environmental education based curriculum emphasizing pollution prevention, water conservation, science of water.</p>	<p>General Feedback: Positive. Great exposure to Project WET and additional water/environment related curriculum and community resources. Estimated Overall Event Attendance: 11 Number of Brochures/Flyers Distributed: 11 Number of Giveaways Distributed: 11</p>

C.7.e. ► Watershed Stewardship Collaborative Efforts

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

Evaluate effectiveness by describing the following:

- Efforts undertaken
- Major accomplishments

Summary:

During FY 15-16, the Program actively supported the Santa Clara Basin Watershed Initiative, including the Land Use Subgroup, and the Santa Clara Valley Zero Litter Initiative. Information on these efforts is included within the C.7 Public Information and Outreach section of the Program's FY 15-16 Annual Report. The District also participates in the Zero Litter Initiative.

C.7.f. ► School-Age Children Outreach

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

The District has a very active Water Resources Education Outreach Program (WREOP) that reached a total of 24,039 participants in FY 15-16. This is broken down below in further detail:

- 16,264 total students reached from pre-school to college through;
 - 552 direct in-classroom programs at 121 different Santa Clara County schools,
 - 16 tours provided at our outdoor classroom facilities
 - Edith Morley Park, Alamos Recharge Ponds, Alviso Outdoor Classroom, Coyote Creek Outdoor Classroom 15 student outreach events at various Science, Technology, Engineering, Art & Math (STEAM) events, summer camps or science nights
- 3 tours at the Silicon Valley Advanced Water Purification Center
- 796 teachers reached through direct in-classroom programs and 6 educator training workshops (*note: details included in C7.d section*)
- New this year - 1,084 people reached through 32 public library programs (*note: details included in section C.7.d*)

The WREOP serves a diverse population and responds to the needs of the schools throughout the County. Programming is consistent with State standards and regularly integrates messages and issues of other District units and programs. The program provides age-appropriate classroom presentations, teacher training workshops in water education, and tours in order to help children understand and appreciate their local water resources.

Programs include:

- hands-on experiments, and experiential learning
- information on watersheds
- urban runoff & storm water (Enviroscape model used)
- groundwater education (Groundwater model used to demonstrate pollution in groundwater supplies)
- pollution prevention
- flood plains & protection
- water conservations tips
- weather observation & climate science
- water cycle & awareness activities
- environmental system sciences & education
- information about careers in the water industry
- stream and watershed stewardship

During school tours at the District's outdoor classrooms, the WREOP highlights the importance of pollution prevention through Enviroscape demonstrations (at Edith Morley and Alamos Recharge Ponds) and through Project WET's Parts Per Billion activity and Water Walk Game at the Silicon Valley Advanced Water Purification Center. Saratoga High School students experienced our guided tour at Alamos Pond and were involved in their own creek clean-up program as they collected trash along the Guadalupe River corridor during their visit. During tours, WREOP emphasizes creek clean-up opportunities by promoting the Adopt-A-Creek program and Coastal Cleanup Day and National River Cleanup Day events.

During Classroom visits, the Water Resources Education Outreach Program team always addresses the importance of protecting our waterways and reducing pollution and also presents hands-on lessons that have a specific focus on pollution-prevention; a Sesame Street-themed conservation puppet show for pre-school and kindergarten, Creek Story, Who Dirtied The Bay, and Salmon Survival activities for 2nd-5th grades, Sum Of Its Parts and Dilemma Derby for 6th – 8th grade students, and "Parts Per Billion" for high school students.

The District's highly successful Youth Stewardship Commission was reinstated in 2015-16. Over a 5 month period, 32 high school students were involved in exploring careers in the water industry and fostering stewardship and responsibility for our creeks, bays, watersheds and water resources. All participants were encouraged to participate in Coastal Cleanup Day and National River Cleanup Day events; their volunteer efforts qualified them to receive letters of recommendation to support their college application process.

Please see the District's Education Outreach FY 2015-2016 Year-end Report (Attachment 1) and Water Education Outreach brochure (Attachment 2) for a more detailed summary of our programs.

Permittee Name: Santa Clara Valley Water District

The following table details the school-age children outreach conducted by the District's Communications Unit in FY 15-16. See Section 7 of the SCVURPPP FY 15-16 Annual Report for a description of school-age children outreach conducted at the Countywide level.

Water Resources Education Outreach Program Details	Focus & Short Description	Number of Students/Teachers reached	Evaluation of Effectiveness
Provide the following information: Name Grade or level	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.
Name: Santa Clara Valley Water District Water Resources Education Outreach Program The District has a very active Education Outreach Program that reaches students from Pre-School to college. District staff conducted in-classroom presentations, special events and tours at outdoor classroom facilities: Edith Morley Park, Alamitos Recharge Ponds, Alviso Outdoor Classroom, Coyote Creek Outdoor Classroom and at the Silicon Valley Advanced Water Purification Center. Please see the table below and the District's Water Education Outreach brochure (Attachment 2) for a more detailed summary of our programs.	The District offers classroom presentations and tours that are correlated to State Standards for grades Pre-Kindergarten through College. Topics covered include: water conservation, water quality, pollution prevention, water sources, watersheds, stewardship and flood safety. Lessons with a pollution prevention focus include: Conservation Puppet Show "Elmo & Grover In The Park" Creek Story Who Dirtied The Bay? Salmon Survival Sum Of Its Parts Dilemma Derby Parts Per Billion	Total Students reached: 16,264 Schools reached: 121 Classes reached: 552 Teachers reached:796 Total Students Broken down by grade: Pre-School: 128 Transitional K: 190 Kindergarten: 1431 1 st grade: 2495 2 nd grade: 2339 3 rd grade: 2384 4 th grade: 1134 5 th grade: 1903 6 th grade: 923 7 th grade: 842 8 th grade: 697 High School: 538 College: 340 Multi-grade: 920	Teacher surveys are used to determine effectiveness of the program and provide input for changes. 100% of our teachers surveyed would recommend our programming to another teacher.

Permittee Name: Santa Clara Valley Water District

More detailed information on the Santa Clara Valley Water District's Water Resources Education Program events is listed below:			
<p>Name: GRPG Water Festival Date: January 13, 2016 Location: 438 Coleman Ave, San Jose Region: Community</p>	<p>Type of Event: Education fair – hands-on-learning, focus on water awareness. Enviroscope presentation, Salmon Survival and Incredible Journey activities. Drought awareness, pollution prevention, water conservation at school and in the local community, ecosystem care and protection.</p>	<p>192 Students 12 Teachers 5th grade San Jose City students from 3 public schools</p>	<p>General Feedback: Positive. Great opportunity to reach many students in one day. Enviroscope, Salmon Survival and Incredible Journey were great activities for outside the environment. Students took pre- and post-tests with results showing students gained new knowledge</p>
<p>Name: Ocala STEAM Academy Date: January 1, 2016 Location: 2800 Ocala Avenue, San Jose Region: Community</p>	<p>Type of Event: Education Fair hands on science workshops for middle school students, led by educators and Silicon Valley professionals. WREOP set up "Water Olympics" activity. Messages: Drought awareness, pollution prevention, water conservation at school and in the local community.</p>	<p>400 Students 6th 7th 8th Grade</p>	<p>General Feedback: Positive. Water Olympics was preferred to Incredible Journey. We were asked for our feedback and to participate in coming years.</p>
<p>Name: Edenvale Community Fair Date: February 6, 2016 Region: Community</p>	<p>Type of Event: Education - Student Project Based Learning Presentations Audience: Teaching and Administrative staff, students and parents. Messages: Drought awareness, pollution prevention, water conservation at school and in the local community.</p>	<p>96 Students 6th Grade 3 Classes 3 teachers Unspecified # of parents and family members</p>	<p>General Feedback: Excellent research-based presentations that educated the school community. Estimated Overall Event Attendance: 96 Number of Brochures/Flyers Distributed: unreported Number of Giveaways Distributed: 96</p>
<p>Name: Dartmouth Middle School STEM fair Date: February 10, 2016 Location: 5575 Dartmouth Drive, San Jose Region: Community</p>	<p>Type of Event: Education Fair- STEM Hands-on science workshops for middle school students, led by educators and Silicon Valley professionals. Audience: Dartmouth Middle School students Messages: Water properties, drought awareness, pollution prevention, water conservation at school and in the local community.</p>	<p>400 Students 6th 7th 8th Grade</p>	<p>General Feedback: Positive. Water wheel for give-aways and Water Olympics were popular Estimated Overall Event Attendance: 400 Number of Brochures/Flyers Distributed: unreported Number of Giveaways Distributed: unreported</p>

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<p>Name: SCIENCE EXTRAVAGANZA Date: February 28, 2016 Location: San Jose State University, One Washington Square, San Jose Region: Countywide</p>	<p>Type of Event: Education Fair- hands on science workshops for 5th grade students, led by engineering faculty and Silicon Valley professionals. Audience: 5th grade students Messages: Water pollution, contaminants and storm drains. Water Crossing activity where students use engineering skills to construct a raft made of sticks.</p>	<p>120 Students 5th Grade</p>	<p>General Feedback: Positive Estimated Overall Event Attendance: 120 Number of Brochures/Flyers Distributed: 120 Number of Giveaways Distributed: 120</p>
<p>Name: Morgan Hill Community and Cultural Center, Village Avante & Cochrane Village Date: April 15, 2016 Location: Morgan Hill 95037 Region: Community</p>	<p>Type of Event: Education, Afterschool Program Puppet Show featuring Grover and Elmo in the park. Puppet show goes over pollution prevention and earth stewardship for younger audiences. Audience: Students K-5th grade/Adult leaders Messages: Population prevention, recycling, and drought awareness.</p>	<p>50 Students Kindergarten- 5th grade Unspecified number of adult leaders</p>	<p>General Feedback: Loved the Puppet show! Afterschool programs and programs in Affordable Housing communities are great ways to reach children in a different setting outside the classroom.</p>
<p>Name: Lincoln High School Earth Day Event Date: April 21, 2016 Location: 555 Dana Avenue, San Jose 95126 Region: Community</p>	<p>Type of Event: Earth Day Celebration Audience: High school students on their lunch break. Message: Using the "Hidden Water Scale" activity to bring attention to the hidden water in food and other consumer products.</p>	<p>150 Students High school</p>	<p>General Feedback: "Hidden Water" Scale was interesting and interactive. Students were engaged and surprised by the food scale generating engaging conversations. Estimated Overall Event Attendance: 150 Number of Brochures/Flyers Distributed: 20 Number of Giveaways Distributed: 35</p>
<p>Name: Christopher High School Date: May 21, 2016 Location: 850 Day Rd, Gilroy 95020 Region: Community</p>	<p>Type of Event: Speakers Bureau Audience: High school students Environmental Club Message: Where Santa Clara County water comes from and District Fast Facts.</p>	<p>7 Students High school</p>	<p>General Feedback: Good</p>
<p>Name: Murphy Ranch Date: June 13, 2016 Location: 310 E Dune Ave. Dana Avenue, Morgan Hill 95037 Region: Community</p>	<p>Type of Event: Education-Afterschool Program Message: Enviroscope Presentation stormwater awareness, runoff, pollution prevention.</p>	<p>13 Students</p>	<p>General Feedback: The Enviroscope is a great way to demonstrate point source and non-point source pollution and human impact; generates dialogue on prevention and solutions.</p>

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C.7 – Public Information and Outreach

Permittee Name: Santa Clara Valley Water District

<p>Name: DeAnza College STEM Fair Date: June 14, 2016 Location: 21250 Stevens Creek Blvd, Cupertino 95014 Region: Countywide</p>	<p>Type of Event: Education Fair STEM Audience: College students Message: Pollution prevention, District resources.</p>	<p>75 Students</p>	<p>Literature and materials provided for event.</p>
<p>Name: Youth Stewardship Commission Date: Jan 2016-May 2016 Location: 5750 Almaden Expressway San Jose, CA 95118</p>	<p>Type of Event: Monthly meetings for high school students Message: overall water awareness, careers, exploring water pollution, STEAM as it applies to water resources, water infrastructure, and water quality</p>	<p>30 high school students</p>	<p>Where Does Your Water Come From? handout, pollution prevention brochure, careers booklet, tours of purification plant, job shadow event, participation in NRCD, overview of District's mission and water resources.</p>

FY 2015-2016
Education Outreach Year-end Report



During the 2015-2016 school year the program staff reached over 16,000 students and nearly 800 teachers in over 550 classrooms. We were involved in 19 tours at our outdoor classrooms and the Silicon Valley Advanced Water Purification Center (SVAWPC). The program hosted 6 Teacher Trainings. In addition nearly 7,000 contacts were made through public outreach events.



TOTAL REACHED:		24,039
Students		16,264
Teachers		796
Classes		552
Tours		19
Tour Attendees		833
Teacher Trainings		6
Volunteer Hours		82
Public Outreach		6,979
Events		51

Students by Watershed	
Coyote	5,535
Guadalupe	4,763
Lower Peninsula	1,165
Uvas/Llagas	895
West Valley	3,906
Other	10

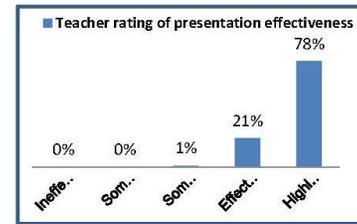
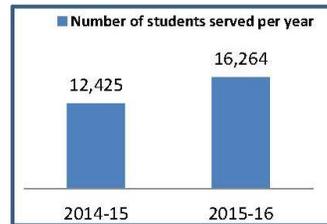
Students by City	
Campbell	634
Cupertino	699
Gilroy	334
Los Altos	10
Los Gatos	833
Milpitas	1,364
Morgan Hill	408
Mt. View	650
Palo Alto	375
San Jose	9,578
San Martin	168
Santa Clara	391
Saratoga	539
Sunnyvale	271
Other	10

Tours	
10	Alamitos Recharge Ponds
1	Alviso
1	Coyote Creek
4	Edith Morley
2	SVAWPC

- Boy Scout Expo – San Jose
- Children's Discovery Museum Quest Event
- Coyote Valley Family Harvest Festival
- Drought Gear Giveaway Gilroy Library
- Drought Gear Giveaway Los Gatos Library
- Drought Gear Giveaway Palo Alto Library
- Drought Gear Giveaway Santa Clara Library
- Gilroy Earth Day
- Earth Day Festival – Palo Alto
- SCVWD Earth Day Event
- Morgan Hill Earth Day
- NRCD Site Coordinators' Meeting
- National River Clean-up Day (NRCD)
- Project WET Facilitator's Training
- Project WET Teacher Training
- Pumpkins in the Park – San Jose
- SVAWPC Open House
- St. Catherine's Parish Event–Morgan Hill
- St. Mary's Parish Event–Gilroy
- STEAM Fest–Reid-Hillview Airport ,San Jose
- San Jose State University Science Extravaganza
- Sunnyvale Fit & Fun Fair
- SVAWPC Silicon Valley Reads Event
- 32 San Jose Public Library events



FY 2015-2016



The program reached many new audiences through community engagement:

- Presented 32 new public programs at various San Jose public libraries and expanded our programming to summer camps
- Increased educator workshops reaching a greater number of professional educators
- Reinstated the District's Youth Stewardship Commission
- Expanded our summer programming reaching summer camps, Girl and Boy Scout groups etc.
- Increased the use of outdoor classrooms by leading more tours involving students in hands-on environmental learning
- Piloted new school programming combined with tours at the Silicon Valley Advanced Water Purification Center

Our program encourages students to think about human impacts on the environment and to actively practice conservation and stewardship. Our goal is to foster future generations of empowered citizens and stewards of our waterways and environment.



One hundred percent of teachers recommend the program!

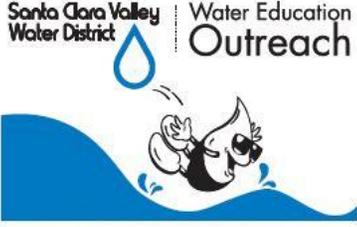
The Education Outreach program maintains high teaching standards. 99% of teachers rate the program as "effective" or "highly effective" and 100 % of teachers recommend our presentations.

Here is a sample of teacher comments:

- "I like how this program encourages our students to learn about and respect water and our environment."
- "Very clear, relevant vocabulary, engaging speakers, models, activities, and connection to area localities makes it more real."
- "It will transform students habits regarding water conservation."



Questions? Please email: education@valleywater.org






The Santa Clara Valley Water District believes it's never too early for children to begin understanding and appreciating their local water resources. The district offers a full range of **FREE** educational programs for both teachers and students. From puppet plays for preschool to workshops for educators, school outreach activities provide effective, hands-on learning. Activities are geared for specific grade levels, from pre-kindergarten to college.

Learn more about our Education Outreach Program at www.valleywater.org and click on "programs" in the drop down menu, then select "teachers and students" or email us at education@valleywater.org.



NEW! Teacher checkout kits

Teacher checkout kits are available upon request. Kits include scripts for the teachers to follow along with all materials needed for the activity. These kits are available to be checked out for two weeks at a time.

Preschool-Kindergarten

Program Duration: 30 minutes



Kamishibai Story-telling
 Kamishibai is a traditional Japanese story-telling technique. The Little Blue Hen is a conservation story where the hen teaches us to conserve water every day. The Three Little Pigs and the Big Bad Weather Wolf is our flood season story where students learn how and where to build homes to make them flood-safe.

Puppet Shows
 Our conservation-themed puppet show features Elmo and Grover in the park where they learn about the importance of picking up litter, recycling, planting trees, and saving water. During flood season Hoots McDrip joins his friends Elmo and Grover and helps to teach them about flood safety.

Sink or Float
 This fun activity introduces early scientific principles as children experiment with objects to discover whether they sink or float when placed in water.

Weather Stories
 Students explore weather through stories and art and make their own weather wheel to track the weather every day.

Teacher Checkout Kits: Sink or Float and Weather Stories

First grade

Program Duration: 60 minute presentations
(2 activities: 30 minutes each)



Kamishibai Story-telling

(Please see Kindergarten description.)

Land Forms

Through this activity students will simulate a rain storm and learn what a mountain range is, what a watershed is, and watch how rivers and lakes take shape.

Water Match

Students learn about water as a solid, liquid and a gas and play a matching game as they categorize different images of water according to its state.

Teacher Checkout Kits: Water Match

Second grade

Program Duration: 60 minute presentations
(2 activities: 30 minutes each)

Creek Story

Students will see the effects a community has on their local water supply. This activity demonstrates how their water use affects not themselves, but also the world around them, while teaching a simple conservation message.

Fin Rummy

Students learn about the salmon lifecycle and the many different types of habitats they live in. This presentation informs students about the importance of keeping our water ways clean, as well as conserving water to help protect all forms of life.

Drops on a Penny

This is a fun and interactive activity that incorporates water science to challenge student minds in the field of water. By dropping water on a penny students will experience phenomena of cohesion in a fun filled manner.

On Track with Hydration

On Track with Hydration is an activity that shows students the many different ways that water enters and exits our body. This activity aims to inform students about the importance of staying hydrated, as well as water conservation.

Teacher Checkout Kits: Fin Rummy and On Track with Hydration

Third grade

*Grades 3 thru 5
program duration: 90 minutes

Little Blue Hen (Readers Theater)

In the Little Blue Hen reader's theater, students will read about the many different ways they can conserve water. From checking their toilet flappers to screwing on aerators, students will learn about the different resources they can take advantage of to do their part in saving water.

Chicken Little's Flood Advice (Readers Theater)

This time the sky isn't falling! Chicken Little teaches his friends how to prepare for flood season and keep their families safe and dry.

Who Dirtied the Bay?

Who Dirtied the Bay is an activity that demonstrates the many different pollutants that enter our San Francisco Bay. This activity aims to help students realize how much we pollute our local water ways, and provide different solutions to help prevent further pollution.

Water Cycle Boogie

Through the use of song and dance, the Water Cycle Boogie activity provides students with knowledge about how our water gets naturally recycled and cleaned by nature. Students will also get a chance to make bracelets symbolizing the different stages of the water cycle for better memory.

Watershed Maps

What is a Watershed? Watershed maps is a hands on activity that provides students with a clear visual that demonstrates and defines the concepts of watersheds, and point and non-point source pollution. Concluding the activity we will discuss what the students learned as well as discuss the safety aspects of living in a watershed.

Teacher Checkout Kits: Water Cycle Boogie and Watershed Maps



Fourth grade

Program duration: 90 minutes



Teach a Mouse (Readers Theater)

The Teach a Mouse reader's theater is inspired by the book "If You Give a Mouse a Cookie" and shows that if you teach someone to save water they will want to continue to save! This activity informs students about some of the many different ways they can save water at home and at school.

Salmon Survival

Salmon Survival is an interactive game that shows students the many different obstacles that salmon face as they migrate from the ocean to their spawning ground. After an overview of the salmon lifecycle, students will role-play being salmon as they make the perilous journey from the ocean to the creek. The activity ends with a discussion about the importance of protecting our water systems for all plants and animals.

Incredible Journey

Water on the go! The Incredible Journey activity is an exciting game that illustrates the different ways water moves throughout our environment. Students role-play being drops of water as they journey through the water cycle and record their journey to discuss at the end of the activity.

Watershed Maps (Please see third grade description.)

Teacher Checkout Kits: Salmon Survival, Incredible Journey and Watershed Maps

Mapping History (Please allow at least 60 minutes.)

Discover the history of the Santa Clara Valley and the people who have called it home. Beginning with the first inhabitants, the Ohlone Indians, and moving well into the future of the Silicon Valley to 2050, learn about the changing faces of the cultures, music, use of the land and the growing population over time.

Ask the difficult question, "How will this land continue to sustain us as the population grows and the demands on the land and its surrounding resources, including water, will only increase?" This program includes hundreds of figurines and a large interactive map that will illustrate the changes in the valley over time.

<http://tinyurl.com/nf9azka>

Incredible Journey (Please see fourth grade description.)

Water Crossing

In this design challenge, students engineer a miniature raft that will carry "cargo" across a "river" as both native people and early settlers had to do. The goal of this activity is for small groups of students (using only sticks, string and scissors) to carry their cargo for at least 3 seconds. This activity aims to explain the team work and thought processes that go into designing a water supply system.

Dilemma Derby

Fruit or candy? The Dilemma Derby presentation is a fun interactive game that aims to show students how the choices they make every day can affect the world around them. Giving students scenario cards, they will be able to analyze situations and make the right choices. Concluding the activity we will discuss some of the situations students were in and the choices they made showing them the benefits and consequences of their choices.

Teacher Checkout Kits: Water Crossing and Seeing Watersheds

Fifth grade

Program duration: 90 minutes



Sixth grade

Sum of Its Parts

As students design their own riverfront property they explore how communities impact watersheds. This activity demonstrates how everyone contributes to the pollution of a river as it flows through a watershed and emphasizes that everyone's impact can be reduced if we all work together.

Seeing Watersheds

Students learn about the importance of environmental stewardship as they explore a map of their local watershed and understand how humans can positively and negatively impact the health of our water supply. Through this mapping activity they gain an understanding of watershed boundaries, tributaries and how water travels through our environment.

Dilemma Derby (Please see fifth grade description.)

Seventh and Eighth grades

Discover California Water

After an overview of our State's water supply system, students learn about Santa Clara County's water sources as they play an interactive board game that also tests their knowledge of California's complex system of aqueducts, reservoirs and water science.

Parts Per Billion

Through this hands-on science activity students gain a better understanding of the efforts involved in meeting our strict drinking water quality standards as they learn about maximum contamination levels of potential pollutants.

Grave Mistake

Students analyze data to solve a mystery and identify the source of a health hazard and a potential polluter.

Water Crossing (See Fifth grade curriculum)

Seeing Watersheds (See Sixth grade curriculum)



Highschool and college

Please call or e-mail us to inquire as these programs are typically customized upon request. Choices include careers, purified water, stewardship, watershed management and groundwater.



Educator workshops

Project WET (Water Education for Teachers)

A free course for instructors on important water topics. The training includes hands-on demonstrations of water lessons and activities. Participants will be "immersed" in the world of water and experience it firsthand.

Attendees will receive the Project WET Curriculum and Activity Guide free. It contains more than 90 activities, which cover water topics aligned with California state standards. The guide is only available through training workshops.



CONTACT US

For more information, contact the **Education Outreach Staff** or email education@valleywater.org, or visit our website at valleywater.org and use our **Access Valley Water** customer request and information system. With three easy steps, you can use this service to find out the latest information on district projects or to submit questions, complaints or compliments directly to a district staff person.



Follow us on:



Section 9 – Provision C.9 Pesticides Toxicity Controls

C.9.a. ► Implement IPM Policy or Ordinance								
Is your municipality implementing its IPM Policy/Ordinance and Standard Operating Procedures?					<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
If no, explain:								
<p>The District uses pesticides as one of the tools for pest management on its properties and facilities. The primary category of pesticides used is herbicides. In all cases, pesticide products are used only after an assessment has been made regarding environmental, economical, and public health aspects of each of the alternatives. The District has always been conservative in the use of pesticides and only the least toxic chemical pesticides are used. From 2011 to 2015, the District had an overall reduction in herbicide usage of 62.9%.</p> <p>All District employees were informed, via the District’s News You Can Use all-employee messaging system on August 11, 2015, that only employees authorized and trained to apply pesticides can use them at work. No over-the-counter pesticides are allowed in or around the workplace. This is consistent with the District’s IPM Policy. Additionally, continuing education (CE) is required for employees to maintain certification for pesticide application.</p>								
Trends in Quantities and Types of Pesticides Used¹								
Pesticide Category and Specific Pesticide Used	Amount ²							
	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21		
Organophosphates	0							
Product or Pesticide Type A	0							
Product or Pesticide Type B	0							
Pyrethroids	0							
Product or Pesticide Type X	0							
Product or Pesticide Type Y	0							
Carbamates	0							
Product or Pesticide Type X	0							

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

²Weight or volume of the product or preferably its active ingredient, using same units for the product each year. Please specify units used. The active ingredients in any pesticide are listed on the label. The list of active ingredients that need to be reported in the pyrethroids class includes: metofluthrin, bifenthrin, cyfluthrin, beta-cyfluthrin, cypermethrin, deltamethrin, esfenvalerate, lambdacyhalothrin, and permethrin.

Product or Pesticide Type Y	0					
Fipronil	0					
Product or Pesticide Type X	0					
Product or Pesticide Type Y	0					
Indoxacarb	Reporting not required in FY 15-16					
Diuron	Reporting not required in FY 15-16					
Diamides	Reporting not required in FY 15-16					
IPM Tactics and Strategies used:						
<p>The District uses the following physical and mechanical controls as part of its IPM strategy:</p> <ul style="list-style-type: none"> • Application of aquatic dyes in percolation ponds prevents sunlight from penetrating the water column and slows the rate of plant and algae growth. When management of algae and weeds is necessary, mechanical/manual harvesting is conducted. • On an annual basis, the District mechanically mows 370 acres, performs hand weed abatement activities on 140 acres, and performs hand removal of in stream vegetation on 190 acres. 						

C.9.b ► Train Municipal Employees

Enter the number of employees that applied or used pesticides (including herbicides) within the scope of their duties this reporting year.	13
Enter the number of these employees who received training on your IPM policy and IPM standard operating procedures within this reporting year.	13
Enter the percentage of municipal employees who apply pesticides who have received training in the IPM policy and IPM standard operating procedures within this reporting year.	100%
Type of Training:	
District staff regularly attend PAPA, and CAPCA seminars as part of their continuing education (CE) requirement.	

C.9.c ▶ Require Contractors to Implement IPM				
Did your municipality contract with any pesticide service provider in the reporting year?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
If yes, briefly describe how contractor compliance with IPM Policy/Ordinance and SOPs was monitored. Before Contractors commence on Stream Maintenance Program (SMP) work, they are required to attend SMP BMP training given by the District SMP Unit. Contractors are required to use only herbicides from the pre-approved list of herbicides at the District.				

C.9.d ▶ Interface with County Agricultural Commissioners				
Did your municipality communicate with the County Agricultural Commissioner to: (a) get input and assistance on urban pest management practices and use of pesticides or (b) inform them of water quality issues related to pesticides,	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
If yes, summarize the communication. If no, explain. See Section 9 of the SCVURPPP FY 15-16 Annual Report for summary of communication with the Santa Clara County Agricultural Commissioner.				
Did your municipality report any observed or citizen-reported violations of pesticide regulations (e.g., illegal handling and applications of pesticides) associated with stormwater management, particularly the California Department of Pesticide Regulation (DPR) surface water protection regulations for outdoor, nonagricultural use of pyrethroid pesticides by any person performing pest control for hire.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
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. No improper pesticide usage took place.				

C.9.e.ii (1) ▶ Public Outreach: Point of Purchase			
Provide a summary of public outreach at point of purchase, and any measurable awareness and behavior changes resulting from outreach (here or in a separate report); OR reference a report of a regional effort for public outreach in which your agency participates.			
Summary: The following separate reports developed by SCVURPPP and BASMAA summarize point of purchase outreach efforts conducted during FY 15-16: <ul style="list-style-type: none"> • FY 15-16 Store Employee Training Report (SCVURPPP) • FY 15-16 Store Employee Training Evaluation Summary (SCVURPPP) • FY 15-16 Store Employee Training Status Table (SCVURPPP) • FY 15-16 List of Stores in the IPM Store Partnership Program (SCVURPPP) • FY 15-16 BASMAA "Our Water, Our World" (OWOW) Report (BASMAA) 			

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

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

Summary:

See Section 7 and Section 9 of the Program’s FY 15-16 Annual Report for a summary of outreach to residents and businesses that use or hire structural pest control and landscape professional. In addition, see the following separate report, included within Section 7 of the Program’s FY 15-16 Annual Report:

- FY 15-16 Watershed Watch Campaign Final Report

C.9.e.ii.(3) ► Public Outreach: Pest Control Operators

Provide a summary of public outreach to pest control operators and landscapers and reduced pesticide use (here or in a separate report); **AND/OR** reference a report of a regional effort for outreach to pest control operators and landscapers in which your agency participates.

Summary:

See the C.9 Pesticides Toxicity Control section of Program’s FY 15-16 Annual Report for a summary of outreach to pest control operators and landscapers to reduce pesticide use. In addition, see the following separate reports, included within Section 7 and Section 9 of the Program’s FY 15-16 Annual Report, for additional details on outreach to pest control operators:

- FY 15-16 Watershed Watch Campaign Final Report
- FY 15-16 Green Gardener Training Report

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

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

Summary:

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

Section 10 - Provision C.10 Trash Load Reduction

Program Highlights and Evaluation

Highlight/summarize activities for reporting year:

PROGRAM EVALUATION

During FY 15-16, the District has been instrumental in the removal of approximately 5,959 cubic yards of trash and debris from various waterways in Santa Clara County within the jurisdiction of the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB). The District's Good Neighbor Program (GNP) and Impaired Water Bodies Improvement Program, components of the voter-approved Safe, Clean Water and Natural Flood Protection Program (Safe, Clean Water), cleaned up specific trash and debris locations. Other clean ups were joint operations through a Memorandum of Agreement (MOA) with the City of San Jose. The MOA is a document that outlines the coordinated efforts to clean up homeless encampments, creek trash rafts, and other areas heavily impacted by trash and litter.

Volume, cleanup costs, and characterization results of trash collected by the District through the Good Neighbor Program cleanups, Illegal Encampment cleanups, Impaired Water Bodies Improvement cleanups, Trash Hot Spot cleanups, and various other trash and debris removal activities are shown in the tables and chart below. For FY 15-16, approximately 98% of illegal encampment cleanups were joint operations with the City of San Jose. All FY 15-16 data includes only trash removed from SFBRWQCB jurisdictional watersheds.

Program	Cubic yards of trash and debris removed					
	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
Good Neighbor	1527.0	1397.5	1571.0	690.1	847.8	432.0
Illegal Encampment Cleanups	983.7	1050.1	1710.0	3130.0	4570.0*	3545.0
Impaired Water Bodies Improvement Cleanups	--	--	--	--	--	77.6
Other Trash and Debris Removal	643.8	785.5	1393.5	1593.0	1493.5	1802.5
Trash Hot Spot Cleanups (MRP)	22.5	23.3	2.7	17.4	--	99.0
Trash Boom Cleanups	--	--	--	2.2	46.0	2.9
Totals	3154.45	3233.1	4674.5	5432.7	6957.25	5959.0

* FY 2014-2015 Illegal Encampment Cleanup totals included trash and debris removed from "The Jungle" in Coyote Creek in December 2014.

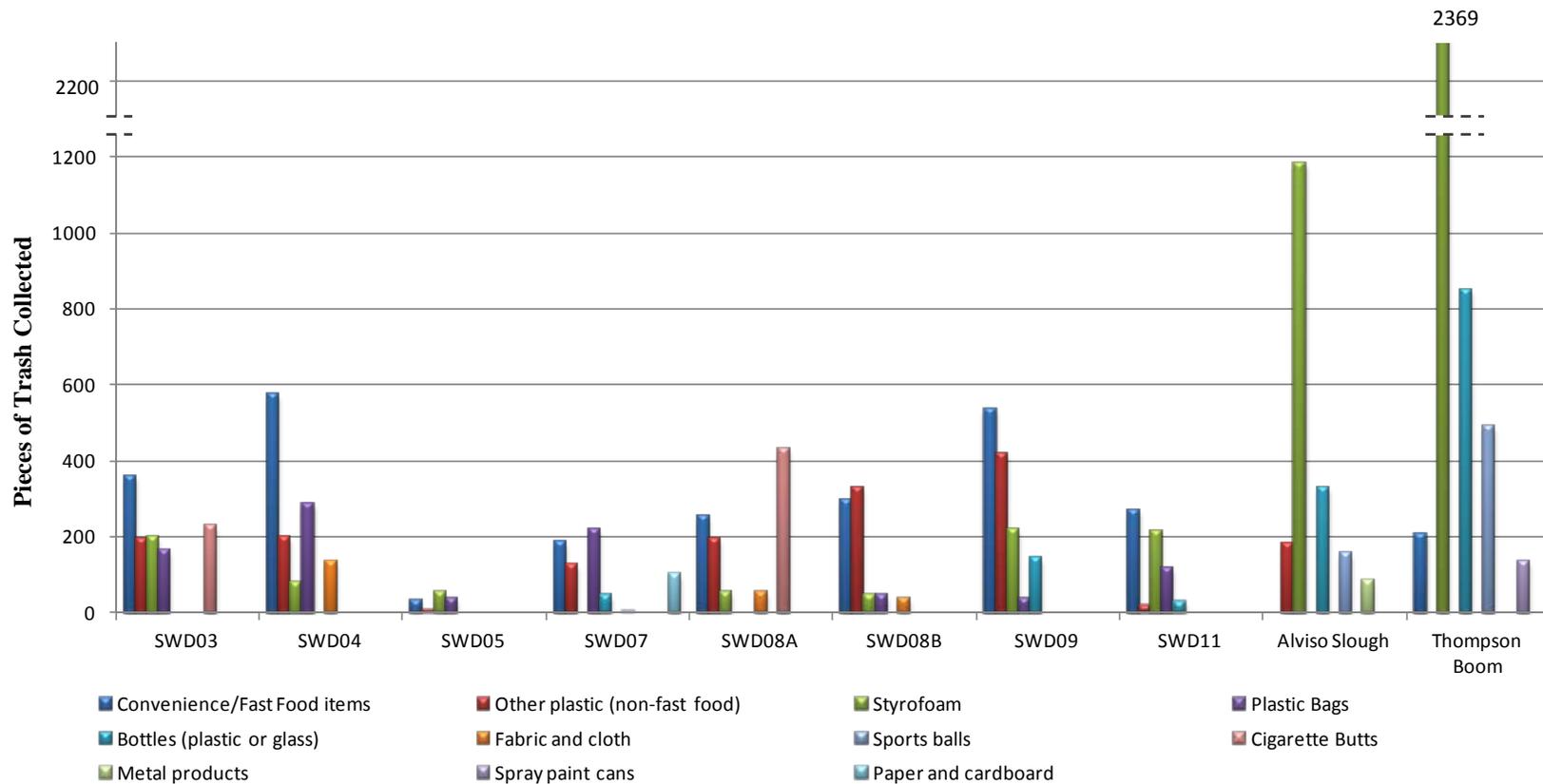
Total volume of trash removed by watershed:

San Francisco Bay Watersheds	Cubic Yards of Trash Removed
Lower Peninsula	216.2
West Valley	258.0
Guadalupe	1444.5
Coyote	4040.3
Total	5959.0

Total cost of District trash removal activities:

Program	Cleanup Cost					
	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
Good Neighbor	\$238,325	\$200,171	\$ 259,213	~\$200,000	\$176,705	\$132,797
Illegal Encampment Cleanups	\$145,556	\$229,834	\$ 285,343	~\$750,000	\$765,946	\$817,859
Impaired Water Bodies Improvement Cleanups	--	--	--	--	--	\$53,177
Other Trash and Debris Removal	\$156,078	\$190,282	\$ 380,034	~\$500,000	\$407,821	\$471,010
District Hotspot and Trash Boom Cleanups	-not calculated-	-not calculated-	-not calculated-	-not calculated-	-not calculated-	-not calculated-
Contribution to SJC Clean Creeks and Healthy Communities grant proposal application with the US EPA	\$ -	\$ -	\$ 130,000	\$ -	\$ -	\$ 196,000 -
Totals	\$539,959	\$620,287	\$1,054,590	~\$1,450,000	\$1,350,472	\$1,670,843

FY 15-16 trash characterization results of major trash types for select Trash Hot Spot/Trash Boom cleanup locations:



HIGHLIGHTS AND ACCOMPLISHMENTS

District staff continued to participate in the SCVURPPP Trash Ad-Hoc Task Group.

The District continued trash characterization efforts during several Trash Hot Spot cleanup events, removing a total of 99.0 cubic yards from 14 sites, including from trash booms on Lower Silver and Thompson creeks and along 200 yards of shoreline in Alviso Slough. Trash characterization results are shown in the chart above. Trash Hot Spot cleanup results can be found in section C.10.c, below. Two hot spot sites, SWD02 and SWD10, included homeless encampment cleanup efforts resulting in higher trash volumes.

The District has continued its focus on homeless encampment cleanups in FY15-16, removing approximately 3,545 cubic yards of material from local waterways at a cost of more than \$800,000. In early 2016, the District's Board of Directors convened a Homeless Encampment Ad Hoc Committee to discuss homelessness and encampment issues, and to bring recommendations back to the Board. The Committee is open to the public and includes participation from the City of San Jose and other municipalities, the County of Santa Clara, District Board members and staff, various community groups, and representatives from the homeless community.

The Impaired Water Bodies Improvement Program, a component of Safe, Clean Water, requires 10 pollution prevention activities. In FY 15-16, the District piloted Pollution Prevention Activity #3, a trash raft mapping and removal effort on the Guadalupe River from Tasman Drive to Blossom Hill Road. As part of this effort, a total of 77.6 cubic yards were removed from mapped trash rafts and other accumulation areas along approximately 3 miles of District-owned portions of the Guadalupe River. More information, including the current trash map, can be found at <http://www.valleywater.org/scw-b1.aspx>.

The District's Adopt-A-Creek program continues to be highly popular with many neighborhood and civic groups. FY 15-16 participation in this program was at 125 adopted sites (an increase of 12 sites from the previous year) with groups committing to host a minimum of 2 cleanup events per year.

For FY 15-16, the District continued to coordinate local California Coastal Cleanup Day and National River Cleanup Day activities in Santa Clara County.

- California Coastal Cleanup Day was held on 9/19/2015. 1,829 volunteers removed approximately 50,000 lb. of trash and 2,868 lb. of recyclables along 73.7 miles of creeks and shoreline.
- National River Cleanup Day was held on 5/21/2016. 1,124 volunteers removed approximately 30,292 lb. of trash and 3,135 lb. of recyclables along 61 miles of creeks and shoreline.

The District supported cleanup and disposal activities as well as supplying personal protective equipment to volunteers such as gloves, sunscreen, and water.

The District also helped support the Great American Litter Pickup event held on 4/23/2016 which focused on removing litter from city streets, parks, and public areas.

In FY 15-16, the District Grant program provided funding to several programs that focus on creek corridor trash cleanup activities by NGO's and homeless individuals themselves. Pollution Prevention grants and Partnership projects are listed below:

Partnerships and Grants	Project Name	Brief Description of Project	Year & Type	Awarded Amount	Status
San Jose Parks Foundation	Trash Free Coyote Creek Cleanup and Surveillance Project (B3) & Education and Outreach Project (B7)	The goal was to create a trash free zone in the Coyote Creek riparian corridor between Tully Road and Hellyer Park (including the park). Conducted public outreach and removed 81,800 lbs of trash through 14 cleanups by 1,296 volunteers.	FY 14 Grant	\$26,783 (B3) \$42,199 (B7)	Completed Sept 2016
California Product Stewardship Council	Secure Pharmaceutical Collection Bin Expansion	The project will prevent pharmaceutical waste from contaminating waterways by establishing fifty (50) new pharmaceutical collection bins in pharmacies, hospitals and police stations in Santa Clara County that will be distributed to increase convenience to all county residents.	FY 14 Grant	\$206,417	In-Progress
City of San Jose	San Jose Watershed Community Stewardship & Engagement Project	The work will provide community engagement, outreach and education, will engage the homeless population, and provide trash cleanup in both Coyote creek and Guadalupe River. The work will be conducted in socio-economically diverse neighborhoods along two different watersheds.	FY 15 Partnership	\$196,250	In-Progress
South Bay Clean Creeks Coalition	South Bay Creek Cleanup Program	The program recruits volunteers through trail & park tabling, canvassing adjacent neighborhoods. These volunteers can participate in TEAM 222 Clean Up program which conducts clean ups every other month at multiple sites, including corporate events; and work on citizen monitoring network.	FY 16 Grant	\$60,000	Executed
San Francisco Bay Wildlife Society	Don Edwards San Francisco Bay NWR Clean-Up 2016	Remove trash from south San Francisco Bay tidal marshlands, mudflats and adjacent uplands in Santa Clara County. Integrate Litterati™, a social media technology, to create a litter database for long-term trash reduction and provide an interpretive display for education and outreach.	FY 16 Grant	\$35,391	Executed
Santa Clara County Creeks Coalition	Trash Free North Coyote Creek Watershed Stewardship and Engagement Project	Conduct 12 volunteer trash cleanups and outreach activities, conduct outreach activities, recruit over 700 volunteers from business and community organizations and implement a docent-led walks program along 5 miles of north Coyote Creek from Tasman Drive to Jackson Street.	FY 16 Grant	\$89,399	Executed
Acterra Stewardship	Greening Urban Watersheds	A portion of this grant is to conduct 21 community creek cleanup events along 3 creeks and remove 13,000 pounds of trash from 4 miles of riparian corridors.	FY 16 Grant	\$93,617	Executed

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

For population-based Permittees, provide the overall trash reduction percentage achieved to-date within the jurisdictional area of your municipality that generates problematic trash levels (i.e., Very High, High or Moderate trash generation). Base the reduction percentage on the information presented in C.10.b i-iv and C.10.e.i-ii. Provide a discussion of the calculation used to produce the reduction percentage, including whether the 60% trash reduction performance guideline was attained. If not attained, include a discussion of next steps (e.g., development of a detailed plan or report of non-compliance).

Trash Load Reductions	
Percent Trash Reduction in All Trash Management Areas (TMAs) due to Trash Full Capture Systems (as reported C.10.b.i)	NA
Percent Trash Reduction in all TMAs due to Control Measures Other than Trash Full Capture Systems (as reported in C.10.b.ii)	NA
Percent Trash Reduction due to Jurisdictional-wide Source Control Actions (as reported in C.10.b.iv)	NA
SubTotal for Above Actions	NA
Trash Offsets (Optional)	
Offset Associated with Additional Creek and Shoreline Cleanups (as reported in C.10.e.i)	NA
Offset Associated with Direct Trash Discharges (as reported in C.10.e.ii)	NA
Total (Jurisdictional-wide) % Trash Load Reduction in FY 15-16	NA
Trash reduction requirements are not applicable to the Santa Clara Valley Water District per the MRP.	

C.10.a.iii ► Mandatory Trash Full Capture Systems		
Provide the following:		
1) Total number and types of full capture systems (publicly and privately-owned) installed prior to FY 15-16, during FY 15-16, and to-date, including inlet-based and large flow-through or end-of-pipe systems, and qualifying low impact development (LID) required by permit provision C.3.		
2) Total land area (acres) treated by full capture systems for population-based Permittees and total number of systems for non-population based Permittees compared to the total required by the permit.		
Type of System	# of Systems	Areas Treated (Acres)
Installed Prior to FY 15-16		
Trash Booms (Lower Silver Creek, Thompson Creek, Matadero Creek, Adobe Creek)	4	NA
Installed in FY 15-16		
NA	NA	NA
Total for all Systems Installed To-date	4	NA
Treatment Acreage Required by Permit (Population-based Permittees)		NA
Total # of Systems Required by Permit (Non-population-based Permittees)		4
Maintenance Summary		
District staff monitored the Lower Silver Creek and Thompson Creek trash booms for capture performance and trash accumulation on at least a monthly basis. Both booms were maintained during Trash Hot Spot cleanup events and on an as-needed basis. The Lower Silver Creek and Thompson Creek trash booms were cleaned by District staff a minimum of two times per boom during FY 15-16, removing a total of 9.4 cubic yards of trash (8.2 cubic yards during Trash Hot Spot cleanups and 1.2 cubic yards during subsequent cleanups). The City of Palo Alto maintained the trash booms on Matadero and Adobe creeks, and reported the removal of a total of 1.7 cubic yards.		

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

Provide the following:

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

TMA	Jurisdiction-wide Reduction (%)	Total # of Full Capture Systems	% of Systems Exhibiting Plugged/Blinded Screens or >50% full	Summary of Maintenance Issues and Corrective Actions
NA	NA	NA	NA	NA
Total				

Trash reduction requirements are not applicable to the Santa Clara Valley Water District per the MRP.

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

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

TMA	Summary of Trash Control Actions Other than Full Capture Systems
NA	NA

Trash reduction requirements are not applicable to the Santa Clara Valley Water District per the MRP.

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

Provide the following:

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

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

Trash reduction requirements are not applicable to the Santa Clara Valley Water District per the MRP.

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

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

Source Control Action	Summary Description & Dominant Trash Sources and Types Targeted	Evaluation/Enforcement Method(s)	Summary of Evaluation/Enforcement Results To-date	% Reduction	Total Reduction Credit (%)
NA	NA	NA	NA	NA	NA

Trash reduction requirements are not applicable to the Santa Clara Valley Water District per the MRP.

C.10.c ► Trash Hot Spot Cleanups

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

Trash Hot Spot	New Site in FY 15-16 (Y/N)	FY 15-16 Cleanup Date(s)	Volume of Trash Removed (cubic yards)				
			FY 2011-12	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
SWD01 – Stevens Creek at La Avenida Street	N	Assessed on 4/8/2016 and no significant trash detected	0.2	--	--	--	--
SWD02 – Coyote Creek from ~50 yards upstream to ~50 yards downstream of Ridder Park Drive	N	4/28/2016	This site was changed for FY 12-13	1.8	6.2	--	45.4
SWD03 – Lower Silver Creek from Miguelita Creek confluence to ~100 yards downstream, including Lower Silver Trash boom	N	3/3/2016	This site was changed for FY 13-14	This site was changed for FY 13-14	0.9	--	2.7
SWD04 – Lower Silver Creek from ~100 to 200 yards downstream of Miguelita Creek confluence	N	3/3/2016	This site was changed for FY 13-14	This site was changed for FY 13-14	0.5	--	1.7
SWD05 – Lower Silver Creek from ~200 to 300 yards upstream of Hwy 101	N	4/28/2016	This site was changed for FY 13-14	This site was changed for FY 13-14	0.6	--	0.5
SWD06 – Coyote Creek confluence with lower Silver Creek	N	Assessed on 4/8/2016 and no significant trash detected	0.45	--	4.5	--	--
SWD07 – Lower Silver Creek from N. King Rd to ~100 yards upstream	N	4/28/2016	7.0	--	1.0	--	2.6

Trash Hot Spot	New Site in FY 15-16 (Y/N)	FY 15-16 Cleanup Date(s)	Volume of Trash Removed (cubic yards)				
			FY 2011-12	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
SWD08A – Lower Silver Creek. From S. Sunset Ave to 100 yards upstream	Y	5/9/2016	--	--	--	--	3.2
SWD08B – Lower Silver Creek. From S. Sunset Ave to 100 yards downstream (Previously listed as SWD08)	N	5/9/2016	0.3	--	--	--	4.0
SWD09 – Lower Silver Creek from ~50 yards upstream to ~50 yards downstream of Kammerer Ave	N	5/9/2016	0.6	--	--	--	2.7
SWD10 – Los Gatos Creek from San Fernando Street to ~100 yards upstream	N	4/20/2016	5.0	--	2.7	--	13.7
SWD11 – Lower Silver Creek from ~100 to 200 yards upstream of Hwy 101	N	4/28/2016	This site was changed for FY 13-14	This site was changed for FY 13-14	0.9	--	1.6
SWD12 – Guadalupe River, Montague Expressway to ~100 yards upstream	N	4/12/2016	0.45	--	--	--	6.5
SWD13 – Thompson Creek from Quimby Road to ~100 yards downstream	Y	5/11/2016	--	--	--	--	6.0
Thompson Boom – ~100 yards upstream of boom	Y	3/2/2016	--	--	--	--	5.5
Alviso Slough – ~600 yards of shoreline	Y	1/20/2016	--	--	--	--	2.7
-- Dash indicates Trash Hot Spot site not cleaned.							

C.10.d ▶ Long-Term Trash Load Reduction Plan

Provide descriptions of significant revisions made to your Long-term Trash Load Reduction Plan submitted to the Water Board in February 2014. Describe significant changes made to primary or secondary trash management areas (TMA), trash generation maps, control measures, or time schedules identified in your plan. Indicate whether your trash generation map was revised and is attached to your Annual Report.

Description of Significant Revision	Associated TMA
NA	NA
Long-term trash load reduction is not applicable to the Santa Clara Valley Water District per the MRP.	

C.10.e. ▶ Trash Reduction Offsets (Optional)

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

Offset Program	Summary Description of Actions and Assessment Results	Volume of Trash (CY) Removed/Controlled in FY 15-16	Offset (Jurisdiction-wide Reduction %)
Additional Creek and Shoreline Cleanups (Max 10% Offset)	NA	NA	NA
Direct Trash Discharge Controls (Max 15% Offset)	NA	NA	NA

Section 11 - Provision C.11 Mercury Controls

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

Summary:

The District owns and operates three reservoirs (Almaden, Calero, and Guadalupe reservoirs) and one lake (Lake Almaden) within the Guadalupe River Watershed that were included in the Clean Water Act (CWA) Section 303 (d) list as impaired due to mercury in 1999. A Basin Plan amendment, adopted in 2008 by the SFBRWQCB, established new water quality objectives and Total Maximum Daily Loads (TMDLs) for mercury in the Guadalupe River Watershed. In the Guadalupe River Watershed Mercury TMDL (Guadalupe TMDL), it is recognized that the District initiated voluntary applied studies in these water bodies prior to its adoption, and that the continuation of these studies is one means of compliance with regulatory enforceable portions of the Guadalupe TMDL applicable to the District. The District’s mercury reduction activities are implemented under its Impaired Water Bodies Improvement Program, a component of Safe, Clean Water (Priority B1).

Inorganic mercury enters the reservoirs from the lands draining historic mercury mines in the upper Guadalupe River Watershed, as well as from atmospheric deposition and imported water deliveries into Calero Reservoir. Transfers from Almaden Reservoir via the Almaden-Calero Canal also transport mercury-laden water into Calero Reservoir. Methylmercury (the bio-available form of mercury) is produced in the reservoirs and in Lake Almaden during the warm summer months through processes related to the seasonal depletion of bottom oxygen.

The Guadalupe TMDL establishes a schedule for implementation of treatment controls for the reservoirs, and includes new water quality objectives for mercury in fish tissue and surface water that are to be achieved by meeting target reductions of seasonal maximum methylmercury concentrations in Almaden, Calero and Guadalupe reservoirs and Lake Almaden. The scheduled date for implementation of treatment controls in the reservoirs is December 31, 2017. The District is currently ahead of schedule and has implemented treatment controls in all of the above-mentioned water bodies.

The District operates oxygenation systems at Calero Reservoir, Stevens Creek Reservoir, Guadalupe Reservoir, and Almaden Reservoir to suppress hypolimnetic methylmercury production. Oxygenation systems were installed in Calero and Stevens Creek reservoirs during calendar year 2012. Equipment for oxygen-injection into the hypolimnion of Guadalupe Reservoir was installed in March 2013, and an oxygen-injection system at Almaden Reservoir was installed in June 2015. Oxygenation systems operated intermittently in 2015. Following winter of 2015/2016 when the reservoirs began to stratify, oxygenation system operation resumed. Calero and Stevens Creek reservoirs resumed oxygenation in March, Guadalupe Reservoir in April, and Almaden Reservoir in May of 2016.

Mercury concentrations in fish tissue in the Guadalupe Watershed have been found to exceed the U.S. Environmental Protection Agency’s mercury criterion for the safe consumption of fish by humans. The Guadalupe TMDL defines a maximum limit for mercury concentrations to be found in fish tissue within the watershed. Sampling for fish and laboratory analyses for mercury content were conducted in October of 2015 and March/April of 2016 at Almaden, Calero, Guadalupe, and Stevens Creek reservoirs. Further fish monitoring was conducted in late August and September of 2016 and is planned to occur biannually.

As part of its Stream Maintenance Program (SMP), the District conducts sediment removal activities in channels and creeks for the purpose of

alleviating the potential for local flooding problems and to meet the requirements of the Federal Emergency Management Agency for flood protection. The District follows a sediment characterization plan to determine chemical and physical properties of the sediments, including for total mercury, in order to effectively plan for disposal or beneficial reuse of the sediments and assist with determining the best management practices to implement in order to avoid and minimize impacts to water quality and aquatic life during sediment removal and disposal. Sediment removal from channels and creeks, as well as groundwater percolation ponds, allows for the opportunistic removal of mercury-laden sediments from the watershed.

The District is required to provide periodic progress reports regarding its studies of methylmercury production and controls, and progress towards reducing the bioavailability of mercury in the watershed. By reducing the amount of mercury and methylmercury in the watershed, the Guadalupe TMDL simultaneously reduces mercury to the San Francisco Bay, which helps to address compliance with the San Francisco Bay Mercury TMDL.

A summary of countywide Program and regional accomplishments for these sub-provisions are included within the C.11 Mercury Controls section of Program's FY 15-16 Annual Report and/or BASMAA regional reports.

C.11.a ► Implement Control Measures to Achieve Mercury Load Reductions

The District continues its monitoring program to evaluate water quality in Lake Almaden, Almaden Reservoir, Calero Reservoir, Guadalupe Reservoir, and Stevens Creek Reservoir. District Staff conduct bi-monthly depth profiles at each impaired water body, monitoring for temperature, pH, conductivity, dissolved oxygen, and oxidation-reduction potential. Data is also gathered to assess algae levels and their effect on bioaccumulation. Water samples are collected from the epilimnia and hypolimnia for laboratory analysis of total mercury, methylmercury, ammonia, nitrate/nitrite, sulfate, and phosphorus. Reservoir outlets are monitored for turbidity, total mercury, methylmercury, manganese, and iron to assess mercury loading to the watershed and San Francisco Bay. The purpose of this monitoring is to establish existing water quality conditions and seasonal variability to evaluate the implementation of management changes to improve water quality. The District also collected fish tissue samples from Almaden, Calero, Guadalupe, and Stevens Creek reservoirs to evaluate effectiveness of methylmercury controls in reducing bioaccumulation.

Lake Almaden Circulation

The District continues to operate solar-powered water circulators at Lake Almaden. Lake Almaden is a former gravel quarry that is located on Los Alamitos Creek upstream of its confluence with Guadalupe Creek, forming the Guadalupe River. This lake provides recreational amenities to the community, including fishing. The Guadalupe River Watershed Mercury Study identified the lake as a significant source of methylmercury that bioaccumulates in fish within the lake and downstream. The solar-powered circulators suppress the production of methylmercury and aim to reduce fish-tissue mercury concentrations.

Reservoir Oxygenation

The District operates oxygenation systems at Calero Reservoir, Stevens Creek Reservoir, Guadalupe Reservoir, and Almaden Reservoir to suppress hypolimnetic methyl mercury production.

Sediment Removal

District staff determined that some mathematical conversion errors in our previous calculations of total mercury removed from Santa Clara County watersheds may have been made. Revised calculations based on the estimated volume of sediment removed and the total mercury concentrations reported for each sediment removal site indicate the District removed approximately 597.0 kg of total mercury from the Guadalupe Watershed, 3313.0 kg from the Coyote Creek Watershed, and 33.5 kg from the Calabazas Creek Watershed.

Section 12 - Provision C.12 PCBs Controls

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

Summary:

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

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Section 13 - Provision C.13 Copper Controls

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

(For FY 15-16 Annual Report only) Do you have adequate legal authority to prohibit the discharge of wastewater to storm drains generated from the installation, cleaning, treating, and washing of copper architectural features, including copper roofs?

	Yes	X	
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(For FY 15-16 Annual Report only) Provide a summary of how copper architectural features are addressed through the issuance of building permits.

Summary:
Not applicable to the Santa Clara Valley Water District.

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

Summary:
Not applicable to the Santa Clara Valley Water District.

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

(For FY 15-16 Annual Report only) Do you have adequate legal authority to prohibit the discharge to storm drains of water containing copper-based chemicals from pools, spas, and fountains?

	Yes	X	
--	-----	---	--

(For FY 15-16 Annual Report only) Provide a summary of how copper-containing discharges from pools, spas, and fountains are addressed to accomplish the prohibition of the discharge.

Summary:
Not applicable to the Santa Clara Valley Water District.

(FY 15-16 Annual Report and each Annual Report thereafter) Provide summaries of any enforcement activities related to copper-containing discharges from pools, spas, and fountains.

Summary:
Not applicable to the Santa Clara Valley Water District.

C.13.c.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:

Not applicable as the Santa Clara Valley Water District is not the local industrial site permitting agency.

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

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

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

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

Summary:

Promote Conservation Programs, and Drought Tolerant and Native Vegetation

The District in 2015 dramatically increased its public outreach and water conservation efforts due to the severity of the drought. The District has residential and commercial conservation programs aimed at reducing runoff and excess irrigation, such as the Landscape Rebate Program. This program provides rebates for changing out high-water using plants with ones that are drought-tolerant and/or California native vegetation and for upgrading to efficient irrigation equipment. Other programs that work toward this goal include the Water Wise House Call Program, which provides free home water audits (indoor and outdoor) for residents in Santa Clara County. The District also provides free hose nozzles and soil moisture meters.

Promote Outreach Messages to Encourage Appropriate Watering/Irrigation Practices

The District created the "Brown is the New Green" and "We're Fighting the Drought, Inside and Out" campaigns to promote water conservation and encourage appropriate irrigation practices during the drought. For example, the "Brown is the New Green" campaign, which is promoted to the media and through other outreach avenues, including lawn signs, encourages people to be proud of their brown lawns. The District also offers classes and workshops throughout the county on water-wise gardening. The District has developed several literature pieces that specifically educate people on irrigation best management practices. This literature is given away at outreach events and by request through the mail to residents. Also, the District's Nursery Outreach Program provides water-wise gardening literature to nurseries in the county.

Promote Outreach for Less Toxic Pest Control and Landscape Management

For outreach for less toxic pest control and appropriate irrigation practices, refer to the Watershed Watch Campaign in the C.7. Public Information and Outreach section and the IPM Store Partnership and Green Gardener Training Programs in the C.9. Pesticide Toxicity Control section of Program's FY 2015-16 Annual Report. Additional District outreach efforts include:

- District employees were informed, via the District's News You Can Use all-employee messaging system on August 11, 2015, that only employees authorized and trained to apply pesticides can use them at work. No over-the-counter pesticides are allowed in or around

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C.15 – Exempted and Conditionally Exempted Discharges

the workplace.

- The District has a large Water Supply Planning and Conservation Unit. The District maintains several website pages on water waste reduction and water use efficiency. The District works with water retailers to reduce water use. The District provides residential water saving evaluations. The District provides brochures on the use of drought tolerant and native vegetation.
- The District maintains a 24/7 emergency response hotline that can respond to major water line breaks.

Implement Illicit Discharge Enforcement Response Plan for Ongoing, Large Volume Landscape Irrigation Runoff

In September 2014, the Water Supply Planning and Conservation Unit initiated the Water Waste Inspector Program, and created advertisements for how people can report water waste to the District. Water Waste reports are received from citizens through Access Valley Water, the Drought Hotline (408-630-2000) and via email through Drought@valleywater.org. These reports are dispatched to one of three Water Waste Inspectors, who then visit the site and inspect for water waste, leaks, etc. The Water Waste Inspectors make direct contact with homeowners or business owners, leave educational materials if no one is there, or contact the appropriate retailer or municipality to address the issue.

For FY 15-16, the Water Supply Planning and Conservation Unit processed 4,864 reports on water waste. Of these, 925 reports were water leaks from broken plumbing and irrigation systems, and 3,939 were for other types of water waste, such as overspray onto pavement and watering during the wrong time of day. All 4,864 reports were responded to and resolved. The District's goal is to address all water waste reports within 24 hours.

Glossary

ASD	Adjustable Speed Drive
BASMAA	Bay Area Stormwater Management Agency Association
BMP	Best Management Practice
BOD	Biological Oxygen Demand
CAO	Chief Administrative Officer
CAPCA	California Association of Pest Control Advisors
CASQA	California Stormwater Quality Association
CCAG	Creek Connections Action Group
CE	Continuing Education
CEO	Chief Executive Officer
CIP	Capital Improvement Projects
COO	Chief Operating Officer
CRS	Community Rating System
DO	Dissolved Oxygen
DPR	Department of Pesticide Regulation
EIR	Environmental Impact Report
EPA	Environmental Protection Agency
ER	Emergency Response
ERP	Enforcement Response Plan
FEMA	Federal Emergency Management Agency
FY	Fiscal Year
HHW	Household Hazardous Waste
HM	Hydromodification Management
IC/ID	Illicit Connection and Illegal Dumping
IDDE	Illegal Discharge Detection and Elimination
IND	Industrial/Commercial Discharger Inspection Program
IPM	Integrated Pest Management

ISO	International Organization for Standardization
LID	Low Impact Development
MOA	Memorandum of Agreement
MOU	Memorandum of Understanding
MRP	Municipal Regional Permit
MSDS	Material Safety Data Sheet
NASA	National Aeronautics and Space Administration
NOI	Notice of Intent
NPDES	National Pollution Discharge Elimination System
O&M	Operation and Maintenance
OWOW	Our Water Our World
PAPA	Pesticide Applicators Professional Association
PBDE	Polybrominated Diphenyl Ethers
PCA	Pest Control Advisor
PCB	Polychlorinated Biphenyl
PCO	Pest Control Operator
PIO	Public Information and Outreach
PL	Pipeline
POC	Pollutants of Concern
POTW	Publicly Owned Treatment Works
PWTP	Penitencia Water Treatment Plant
QAC	Qualified Applicator Certificate
QR	Quick Response
QSD	Qualified SWPPP Developer
QSP	Qualified SWPPP Practitioner
RFP	Request for Proposal
RMC	Regional Monitoring Coalition
RMP	Regional Monitoring Program

RRPM	Reduced Risk Pest Management
RWQCB	Regional Water Quality Control Board
RWTP	Rinconada Water Treatment Plant
SCC	Santa Clara County
SCVURPPP	Santa Clara Valley Urban Runoff Pollution Prevention Program (the Program)
SCVWD	Santa Clara Valley Water District (the District)
SFB	San Francisco Bay
SJC	City of San Jose
SOP	Standard Operating Procedure
State	California State Agency
SWPPP	Storm Water Pollution Prevention Plan
TMA	Trash Management Area(s)
TSS	Total Suspended Solids
URL	Uniform Resource Locator
URTA	Urban Rapid Trash Assessment
Water Board	California State Water Resources Control Board
WDID	Water District Identification

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