

September 29, 2017

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

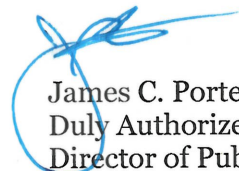
Re: San Mateo County Flood Control District FY 2016/17 Annual Report

Dear Mr. Wolfe:

This letter and Annual Report are submitted by the San Mateo County Flood Control District pursuant to Permit Provision C.17.a of the Municipal Regional Stormwater NPDES Permit (MRP), Order R2-2015-0049, NPDES Permit No CAS612008 issued by the San Francisco Bay Regional Water Quality Control Board. The Annual Report provides documentation of compliance activities conducted during FY 2016/17 and related accomplishments.

Please contact Julie Casagrande at (650) 599-1457 or Mark Chow at (650) 599-1489 regarding any questions or concerns.

Very truly yours,



James C. Porter
Duly Authorized Representative
Director of Public Works
RCE No. 48056

JCP:AMS:MC:KL:JC

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Enclosures: Certification Statement, San Mateo County Flood Control District FY 2016/17 Annual Report

cc: Ann M. Stillman, P.E., Deputy Director, Engineering and Resource Protection
Mark Chow, P.E., Principal Civil Engineer, Utilities-Flood Control-Watershed Protection
Julie Casagrande, Resource Conservation Specialist, Utilities-Flood Control-Watershed Protection



FY 2016-2017 Annual Report

Permittee Name: San Mateo County Flood Control District

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Section 1 – Permittee Information

Background Information			
Permittee Name:	San Mateo County Flood Control District		
Population:	Non-population based Permittee		
NPDES Permit No.:	CAS612008		
Order Number:	R2-2015-0049		
Reporting Time Period (month/year):	July 2016 through June 2017		
Name of the Responsible Authority:	James C. Porter	Title:	Director, Department of Public Works
Mailing Address:	555 County Center, 5 th Floor		
City:	Redwood City	Zip Code:	94063
		County:	San Mateo
Telephone Number:	(650) 363-4100	Fax Number:	(650) 361-8220
E-mail Address:	jporter@smcgov.org		
Name of the Designated Stormwater Management Program Contact (if different from above):	Julie Casagrande	Title:	Resource Conservation Specialist
Department:	Public Works		
Mailing Address:	555 County Center, 5 th Floor		
City:	Redwood City	Zip Code:	94063
		County:	San Mateo
Telephone Number:	(650) 599-1457	Fax Number:	(650) 361-8220
E-mail Address:	jcasagrande@smcgov.org		

Section 2 - Provision C.2 Reporting Municipal Operations

Program Highlights and Evaluation

Highlight/summarize activities for reporting year:

Summary:

During FY 16-17, the San Mateo County Flood Control District (SMCFCD) and County of San Mateo Department of Public Works (DPW) staff regularly attended and participated in the NPDES Technical Advisory Committee, Municipal Maintenance Subcommittee, and Trash Control Subcommittee meetings. SMCFCD continued implementation of the Colma Creek Maintenance Monitoring Program including four routine quarterly inspections and coordination of 16 work days for the Sheriff's Work Program and four volunteer events involving litter and debris cleanups and removal of non-native vegetation within the lower reach of Colma Creek. SMCFCD staff continued routine monitoring and inspection of the San Bruno Creek Flood Control Zone pump stations for trash, odor, color, turbidity and the presence of floating carbons, as well as dissolved oxygen during the summer months, and no corrective actions were required. All SMCFCD maintenance activities (vegetation management and mitigation site maintenance) were completed in accordance with the MRP and the County of San Mateo Watershed Protection Maintenance Standards (2004). Please see the C.2 Municipal Operations section of the SMCWPPP FY 16-17 Annual Report for a description of activities implemented at the countywide level.

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

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

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

Comments:

Maintenance of the access road along the Cupid Row (West-Of-Bayshore property) flood control channel segment within the San Bruno Creek Flood Control Zone was performed during FY 16-17. All maintenance activities were conducted in accordance with the MRP and BMPs outlined in the San Francisco Garter Snake Recovery Action Plan and associated environmental permits.

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.

N/A	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
N/A	Implementation of the BASMAA Mobile Surface Cleaner Program BMPs
Comments: The SMCFCFD did not perform or contract for any sidewalk, plaza, or pavement washing during FY 16-17.	

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.

N/A	Control of discharges from bridge and structural maintenance activities directly over water or into storm drains
N/A	Control of discharges from graffiti removal activities
N/A	Proper disposal for wastes generated from bridge and structure maintenance and graffiti removal activities
N/A	Implementation of the BASMAA Mobile Surface Cleaner Program BMPs for graffiti removal
N/A	Employee training on proper capture and disposal methods for wastes generated from bridge and structural maintenance and graffiti removal activities.
N/A	Contract specifications requiring proper capture and disposal methods for wastes generated from bridge and structural maintenance and graffiti removal activities.
Comments: The SMCFCFD did not perform any bridge and structure maintenance directly over water or graffiti removal during FY 16-17.	

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.	
<input type="checkbox"/>	Control of road-related erosion and sediment transport from road design, construction, maintenance, and repairs in rural areas
<input type="checkbox"/>	Identification and prioritization of rural road maintenance based on soil erosion potential, slope steepness, and stream habitat resources
<input type="checkbox"/>	No impact to creek functions including migratory fish passage during construction of roads and culverts
<input type="checkbox"/>	Inspection of rural roads for structural integrity and prevention of impact on water quality
<input type="checkbox"/>	Maintenance of rural roads adjacent to streams and riparian habitat to reduce erosion, replace damaging shotgun culverts and excessive erosion
<input type="checkbox"/>	Re-grading of unpaved rural roads to slope outward where consistent with road engineering safety standards, and installation of water bars as appropriate
<input type="checkbox"/>	Inclusion of measures to reduce erosion, provide fish passage, and maintain natural stream geomorphology when replacing culverts or design of new culverts or bridge crossings
Comments including listing increased maintenance in priority areas: N/A	

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 checked="" 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 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 type="checkbox"/>	Control of pollutant discharges to storm drains such as wash waters from cleaning vehicles and equipment			
<input 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 type="checkbox"/>	Containment of all vehicle and equipment wash areas through plumbing to sanitary or another collection method			
<input type="checkbox"/>	Use of dry cleanup methods when cleaning debris and spills from corporation yard(s) or collection of all wash water and disposing of wash water to sanitary or other location where it does not impact surface or groundwater when wet cleanup methods are used			
<input type="checkbox"/>	Cover and/or berm outdoor storage areas containing waste pollutants			
Comments: The SMCFCFD does not have a Corporation Yard or dedicated maintenance staff and instead utilizes the DPW Road Services Division maintenance crew for routine maintenance activities. The DPW Road Services Division has several Corporation Yards. Routine inspections were conducted at these facilities and are reported in the County of San Mateo FY 16-17 Annual Report. No violations were reported.				
If you have a corporation yard(s) that is not an NOI facility, complete the following table for inspection results for your corporation yard(s) or attach a summary including the following information:				
Corporation Yard Name	Corp Yard Activities w/ site-specific SWPPP BMPs	Inspection Date ²	Inspection Findings/Results	Date and Description of Follow-up and/or Corrective Actions
N/A				

² Minimum inspection frequency is once a year during September.

Section 3 - Provision C.3 Reporting New Development and Redevelopment
 Section generally not applicable to San Mateo County Flood Control District

C.3.b.iv.(1) ► Regulated Projects Approved Prior to C.3 Requirements		N/A	
(For FY 2016-17 Annual Report only) Does your agency have any Regulated Projects that were approved with no Provision C.3 stormwater treatment requirements under a previous MS4 permit and that did not begin construction by January 1, 2016 (i.e., that are subject to Provision C.3.b.i.(2))?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/> No
If yes, complete attached Table C.3.b.iv.(1).			

C.3.b.iv.(2) ► Regulated Projects Reporting	N/A
Fill in attached table C.3.b.iv.(2) or attach your own table including the same information. The SMCFCFD does not have land use or regulatory authority over the types of projects (i.e., private) that may qualify as Regulated Projects. The only projects that may fall into this category are future flood control capital projects. No flood control capital projects meeting the Regulated Project criteria were approved, planned, or implemented during this reporting period.	

C.3.e.iv. ► Alternative or In-Lieu Compliance with Provision C.3.c.		N/A	
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
Comments (optional): The SMCFCFD does not have land use or regulatory authority over the types of projects (i.e., private) that may qualify as Regulated Projects. The only projects that may fall into this category are future flood control capital projects. No flood control capital projects meeting the Regulated Project criteria were approved, planned, or implemented during this reporting period.			

C.3.e.v. ► Special Projects Reporting		N/A	
1. In FY 2016-17, 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)?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/> No
2. In FY 2016-17, 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.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/> No
The SMCFCFD does not have land use or regulatory authority over the types of projects (i.e., private) that may qualify as Special Projects.			

C.3.h.v.(2) ► Reporting Newly Installed Stormwater Treatment Systems and HM Controls (Optional)	N/A
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.	
There are currently no stormwater treatment measures or HM controls under the SMCFCFD's jurisdiction.	

C.3.h.v.(3)(a)–(c) and (f) ► Installed Stormwater Treatment Systems Operation and Maintenance Verification Inspection Program Reporting		N/A
Site Inspections Data	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 (FY15-16)	N/A	
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 16-17)	N/A	
Total number of Regulated Projects (including offsite projects, and Regional Projects) for which O&M verification inspections were conducted during the reporting period (FY 16-17)	N/A	
Percentage of the total number of Regulated Projects (including offsite projects, and Regional Projects) inspected during the reporting period (FY 16-17)	N/A - 0% ³	

³ Based on the number of Regulated Projects in the database or tabular format at the end of the previous fiscal year (FY 15-16), 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	N/A
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: There are currently no stormwater treatment systems under the SMCFCD's jurisdiction; therefore, no inspections were performed.	
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: There are currently no stormwater treatment systems under the SMCFCD's jurisdiction; therefore, no inspections were performed.	

C.3.h.v.(4) ► Enforcement Response Plan	N/A			
<i>(For FY 2016-17 Annual Report only)</i> Has your agency completed an Enforcement Response Plan for all O&M inspections of stormwater treatment measures by July 1, 2017?	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
If No, provide schedule for completion: The SMCFCD does not have land use or regulatory authority over the types of projects (i.e., private) that may qualify as Regulated Projects requiring O&M inspections and associated enforcement per an ERP. The only projects that may fall into this category are future flood control capital projects. No flood control capital projects meeting the Regulated Project criteria were approved, planned, or implemented during this reporting period. If in the future, a flood control project did qualify as a Regulated Project, such project would be subject to the County of San Mateo O&M Policy and ERP.				

C.3.i. ► Required Site Design Measures for Small Projects and Detached Single Family Home Projects	N/A
On an annual basis, discuss the implementation of the requirements of Provision C.3.i, including ordinance revisions, permit conditions, development of standard specifications and/or guidance materials, and staff training.	
Summary: The SMCFCFD does not have land use or regulatory authority for these types of projects.	

C.3.j.i.(5)(a) ► Green Infrastructure Framework or Work Plan			
<i>(For FY 2016-17 Annual Report only)</i> Was your agency's Green Infrastructure Framework or Work Plan approved by the agency's governing body, mayor, city manager, or county manager by June 30, 2017?	X	Yes, approval documentation attached	No
Comments: The SMCFCFD does not have land use or regulatory authority over the types of private projects in which green infrastructure would typically be installed. The only public projects that may fall into this category are future flood control capital projects in which green infrastructure could be incorporated; however, this would be atypical as most projects involve maintenance of existing facilities, such as pump stations or minor channel improvements. On April 25, 2017, the County of San Mateo Board of Supervisors adopted Resolution No. 075143 (attached) approving a Workplan to develop a Green Infrastructure Plan in accordance with Provision C.3.J of the MRP. The County of San Mateo Green Infrastructure Plan will include prioritization of any future SMCFCFD capital improvement projects for incorporation of green infrastructure.			

C.3.j.i.(5)(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: As described above, the SMCFCFD does not have land use or regulatory authority over the types of private projects in which green infrastructure would typically be installed, and therefore, does not have a specific Green Infrastructure program. The SMCFCFD does however collaborate with adjacent municipalities and actively participates in the County of San Mateo Green Infrastructure program's outreach activities. Please see the County of San Mateo FY 16-17 for a summary of the County's outreach and education efforts pertaining to Green Infrastructure planning and implementation. County and SMCFCFD staff regularly attended SMCWPPP Green Infrastructure Technical Advisory Committee meetings led by C/CAG. Please see the SMCWPPP FY 16-17 Annual Report for a summary of outreach efforts implemented at the countywide Program level.

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.

In order to identify projects with potential for green infrastructure, the County of San Mateo continues to use 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. County of San Mateo staff annually review the list of capital improvement projects included in the adopted 2-year budget and screen for the potential to incorporate green infrastructure. There were no SMCFCFD projects on the FY 16-17 review list.

Summary of Planning or Implementation Status of Identified Projects:

There are currently no SMCFCFD identified projects.

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 see the SMCWPPP FY 16-17 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.

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 see the SMCWPPP FY16-17 Annual Report for a summary of methods being developed to track and report implementation of green infrastructure measures.

C.3.b.iv.(1) ► List of Regulated Projects Approved Prior to C.3 Requirements			
Project Name Project No.	Project Location ⁴ , Street Address	Type of Stormwater Treatment Required ⁵	Type of Exemption Granted ⁶
No SMCFCFCD Regulated Projects.			

⁴ Include cross streets

⁵ Indicate the stormwater treatment system required, if applicable

⁶ Indicate the type for exemption, if applicable. For example, the project was previously approved with a vesting tentative map, or the Permittee has no legal authority to require changes to previously granted approvals (such as previously granted building permits).

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 ⁷ , Street Address	Name of Developer	Project Phase No. ⁸	Project Type & Description ⁹	Project Watershed ¹⁰	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft ²) ¹¹	Total Replaced Impervious Surface Area (ft ²) ¹²	Total Pre- Project Impervious Surface Area ¹³ (ft ²)	Total Post- Project Impervious Surface Area ¹⁴ (ft ²)
No SMCFCFCD Regulated Projects.											

⁷Include cross streets

⁸If a project is being constructed in phases, indicate the phase number and use a separate row entry for each phase. If not, enter "NA".

⁹Project 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.

¹⁰State the watershed(s) in which the Regulated Project is located. Downstream watershed(s) may be included, but this is optional.

¹¹All impervious surfaces added to any area of the site that was previously existing pervious surface.

¹²All impervious surfaces added to any area of the site that was previously existing impervious surface.

¹³For redevelopment projects, state the pre-project impervious surface area.

¹⁴For 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 ¹⁵	Application Final Approval Date ¹⁶	Source Control Measures ¹⁷	Site Design Measures ¹⁸	Treatment Systems Approved ¹⁹	Type of Operation & Maintenance Responsibility Mechanism ²⁰	Hydraulic Sizing Criteria ²¹	Alternative Compliance Measures ^{22/23}	Alternative Certification ²⁴	HM Controls ^{25/26}
No SMCFCFCD Regulated Projects.										

¹⁵For private projects, state project application deemed complete date. If the project did not go through discretionary review, report the building permit issuance date.

¹⁶For private projects, state project application final discretionary approval date. If the project did not go through discretionary review, report the building permit issuance date.

¹⁷List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.

¹⁸List 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.

¹⁹List 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.).

²⁰List 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.

²¹See 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).

²²For 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.

²³For 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.

²⁴Note whether a third party was used to certify the project design complies with Provision C.3.d.

²⁵If HM control is not required, state why not.

²⁶If 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 ²⁷	Date Construction Scheduled to Begin	Source Control Measures ²⁸	Site Design Measures ²⁹	Treatment Systems Approved ³⁰	Operation & Maintenance Responsibility Mechanism ³¹	Hydraulic Sizing Criteria ³²	Alternative Compliance Measures ^{33/34}	Alternative Certification ³⁵	HM Controls ^{36/37}
No SMCFCFCD Regulated Projects.										

²⁷For public projects, enter the plans and specifications approval date.

²⁸List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.

²⁹List 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.

³⁰List 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.).

³¹List 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.

³²See 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).

³³For 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.

³⁴For 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.

³⁵Note whether a third party was used to certify the project design complies with Provision C.3.d.

³⁶If HM control is not required, state why not.

³⁷If HM control is required, state control method used (e.g., method to design and size device(s) or method(s) used to meet the HM Standard, and description of device(s) or method(s) used, such as detention basin(s), bioretention unit(s), regional detention basin, or in-stream control).

Permittee Name: San Mateo County Flood Control District

C.3.h.v.(2) ► Table of Newly Installed³⁸ Stormwater Treatment Systems and Hydromodification Management (HM) Controls (Optional)

Name of Facility	Address of Facility	Party Responsible ³⁹ For Maintenance	Type of Treatment/HM Control(s)
No SMCFCD stormwater treatment systems.			

³⁸ "Newly Installed" includes those facilities for which the final installation inspection was performed during this reporting year.

³⁹ State the responsible operator for installed stormwater treatment systems and HM controls.

C.3.e.v. ► Special Projects Reporting Table												
Reporting Period – July 1 2016 - June 30, 2017												
Project Name & No.	Permittee	Address	Application Submittal Date ⁴⁰	Status ⁴¹	Description ⁴²	Site Total Acreage	Gross Density DU/Acre	Density FAR	Special Project Category ⁴³	LID Treatment Reduction Credit Available ⁴⁴	List of LID Stormwater Treatment Systems ⁴⁵	List of Non-LID Stormwater Treatment Systems ⁴⁶
No SMCFCD Special Projects.												

⁴⁰Date that a planning application for the Special Project was submitted.

⁴¹ Indicate whether final discretionary approval is still pending or has been granted, and provide the date or version of the project plans upon which reporting is based.

⁴²Type of project (commercial, mixed-use, residential), number of floors, number of units, type of parking, and other relevant information.

⁴³ For each applicable Special Project Category, list the specific criteria applied to determine applicability. For each non-applicable Special Project Category, indicate n/a.

⁴⁴For 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.

⁴⁵: 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.

⁴⁶List 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.

Special Projects Narrative

N/A

C.3.j.ii.(2) ► Table A - Public Projects Reviewed for Green Infrastructure

Project Name and Location ⁴⁷	Project Description	Status ⁴⁸	GI Included? ⁴⁹	Description of GI Measures Considered and/or Proposed or Why GI is Impracticable to Implement ⁵⁰
Please see County of San Mateo FY 16-17 Annual Report for a list of public projects reviewed for Green Infrastructure.				

C.3.j.ii.(2) ► Table B - Planned and/or Completed Green Infrastructure Projects

Project Name and Location ⁵¹	Project Description	Planning or Implementation Status	Green Infrastructure Measures Included
No SMCFCD planned or completed Green Infrastructure Projects.			

⁴⁷ List each public project that is going through your agency's process for identifying projects with green infrastructure potential.

⁴⁸ Indicate status of project, such as: beginning design, under design (or X% design), projected completion date, completed final design date, etc.

⁴⁹ 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.

⁵⁰ 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.

⁵¹ 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.

Section 4 – Provision C.4 Industrial and Commercial Site Controls
 Section not applicable to San Mateo County Flood Control District

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

Summary:
 The jurisdiction of the SMCFCFD is limited to the flood control channels that were constructed and maintained by the District. We do not have legal authority for pollutant control on industrial sites located within the adjacent jurisdictions; however, we do work collaboratively with the adjacent municipalities to address stormwater concerns. For example, information related to any problems observed during the Colma Creek routine quarterly inspections is forwarded to the adjacent municipalities' enforcement staff for follow-up action. SMCFCFD staff also review environmental compliance documents for proposed development projects within SMCFCFD flood control zones and provide responsible agencies with comments when appropriate.

C.4.b.iii. ► Potential Facilities List N/A

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

C.4.d.iii.(2)(a) & (c) ► Facility Inspections N/A

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

<input type="checkbox"/>	Permittee reports multiple discrete potential and actual discharges as one enforcement action.
<input type="checkbox"/>	Permittee reports the total number of discrete potential and actual discharges on each site.

	Number	Percent
Total number of inspections conducted (C.4.d.iii.(2)(a))		
Number of enforcement actions or discrete number of potential and actual discharges		
Violations Enforcement actions or discrete number of potential and actual discharges resolved within 10 working days or otherwise deemed resolved in a longer but still timely manner (C.4.d.iii.(2)(c))		
Comments:		

C.4.d.iii.(2)(b) ▶ Frequency and Type of Enforcement Conducted N/A

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

	Enforcement Action (as listed in ERP) ⁵²	Number of Enforcement Actions Taken
Level 1		
Level 2		
Level 3		
Level 4		
Total		

C.4.d.iii.(2)(d) ▶ Frequency of Potential and Actual Non-stormwater Discharges by Business Category N/A

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

Business Category ⁵³	Number of Actual Discharges	Number of Potential Discharges

C.4.d.iii.(2)(e) ▶ Non-Filers N/A

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

--

C.4.e.iii. ▶ Staff Training Summary N/A

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

Comments:

⁵²Agencies to list specific enforcement actions as defined in their ERPs.

⁵³List your Program's standard business categories.

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:

The jurisdiction of the SMCFCFCD is limited to the flood control channels that were constructed and maintained by the District. We do not have legal authority to prohibit and control illicit discharges and implement enforcement within the adjacent jurisdictions. However, SMCFCFCD and County staff continued to attend and participate in the SMCWPPP TAC and CII Subcommittee meetings where illicit discharge detection and elimination objectives were discussed regularly, and we continued to work collaboratively with the adjacent municipalities to address illicit discharges and other stormwater concerns.

For reported discharges and complaints within the SMCFCFCD's jurisdiction (i.e., flood control channels), SMCFCFCD staff handles coordination of response, cleanup, and tracking. CEH is notified when necessary. CEH operates an Emergency Response Haz Mat Team that works with local fire departments to ensure that all spills are investigated, monitored, and cleaned up appropriately. No public calls or illicit discharge complaints related to SMCFCFCD flood control facilities were received by SMCFCFCD staff during FY16-17.

Any calls and complaints that are received by the SMCFCFCD pertaining to illicit discharges outside of SMCFCFCD jurisdiction are forwarded to the appropriate adjacent municipality for response, cleanup, and tracking. For FY 16-17, the SMCFCFCD received two complaints related to a potential illicit discharge adjacent to the San Bruno Creek Flood Control Channel. The complaints were immediately forwarded to relevant County departments for follow-up (Office of Sustainability [OOS], Environmental Health [EH], and Code Enforcement).

Information related to potential and illicit discharges observed by SMCFCFCD staff during the Colma Creek routine quarterly inspections were forwarded to the adjacent municipalities' enforcement staff for follow-up action and tracking. The SMCFCFCD maintains a message board at Colma Creek just upstream from the confluence with the San Francisco Bay near the pedestrian bridge. Postings include where to report illegal dumping and other problems, endangered species information (i.e., leash ordinance to protect nesting clapper rails), and cleanup and volunteer event information.

Please see the C.5 Illicit Discharge Detection and Elimination section of the SMCWPPP FY 16-17 Annual Report for description of activities at the countywide or regional level.

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

Summary of any changes made during FY 16-17:

During FY 16-17, both the County and the SMCFCFD updated their websites related to illicit discharge reporting.

<http://publicworks.smcgov.org/flood-control-districts>

<http://www.smc sustainability.org/energy-water/stormwater/>

C.5.d.iii.(1)-(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))	0	
Discharges reaching storm drains and/or receiving waters (C.5.d.iii.(2))	0	
Discharges resolved in a timely manner (C.5.d.iii.(3))	0	

Comments:

There were no spill or discharge complaints within the SMCFCFD jurisdiction reported to the SMCFCFD.

The SMCFCFD received two complaints related to a potential illicit discharge adjacent to the San Bruno Creek Flood Control Channel. The complaints were immediately forwarded to relevant County departments (OOS, EH, and Code Enforcement) for follow-up and tracking and are reported in Section C.5.d.iii. of the County of San Mateo FY 16-17 Annual Report.

C.5.e.iii.(1) ► Control of Mobile Sources		N/A
(a) Provide your agency's minimum standards and BMPs for various types of mobile businesses (C.5.e.iii.(1)(a)) N/A		
(b) Provide your agency's enforcement strategy for mobile businesses (C.5.e.iii.(1)(b)) N/A		
(c) Provide a list and summary of the specific outreach events and education conducted by your agency to the different types of mobile businesses operating within your jurisdiction (C.5.e.iii.(1)(c)) N/A		
(d) Provide number of inspections conducted at mobile businesses and/or job sites in 2016-2017 (C.5.e.iii.(1)(d)):		N/A
(e) Discuss enforcement actions taken against mobile businesses in 2016-2017 (C.5.e.iii.(1)(e)) N/A		
(f) List below or attach the list of mobile businesses operating within your agency's jurisdiction (C.5.e.iii.(1)(f)) N/A		
(g) Provide a list and summary of the county-wide or regional activities conducted, including sharing of mobile business inventories, BMP requirements, enforcement action information, and education (C.5.e.iii.(1)(g))		
Please see the C.5 Illicit Discharge Detection and Elimination section of the SMCWPPP FY 16-17 Annual Report for description of activities at the countywide or regional level.		

Section 6 – Provision C.6 Construction Site Controls

With the exception of SMCFCFD flood control capital improvement projects involving construction, Section 6 is generally not applicable to the SMCFCFD. During FY 16-17, there was no SMCFCFD flood control capital improvement project construction.

C.6.e.iii.(3)(a)-(d) ► Site/Inspection Totals			N/A
Number of active Hillside Sites (sites disturbing < 1 acre of soil requiring storm water runoff quality inspection) (C.6.e.iii.(3)(a))	Number of High Priority Sites (sites disturbing < 1 acre of soil requiring storm water runoff quality inspection) (C.6.e.iii.(3)(c))	Number of sites disturbing ≥ 1 acre of soil (C.6.e.iii.(3)(b))	Total number of storm water runoff quality inspections conducted (include only Hillside Sites, High Priority Sites and sites disturbing 1 acre or more) (C.6.e.iii.(3)(d))
# N/A	# N/A	# N/A	# N/A
Comments:			

C.6.e.iii.(3)(e) ▶ Construction Related Storm Water Enforcement Actions		N/A
	Enforcement Action (as listed in ERP) ⁵⁴	Number Enforcement Actions Issued
Level 1 ⁵⁵	N/A	
Level 2		
Level 3		
Level 4		
Total		

C.6.e.iii.(3)(f) ▶ Illicit Discharges	N/A
Number of illicit discharges, actual and those inferred through evidence at hillside sites, high priority sites and sites that disturb 1 acre or more of land (C.6.e.iii.(3)(f))	0

C.6.e.iii.(3)(g) ▶ Corrective Actions	N/A
Indicate your reporting methodology below.	
<input type="checkbox"/>	Permittee reports multiple discrete potential and actual discharges as one enforcement action.
<input type="checkbox"/>	Permittee reports the total number of discrete potential and actual discharges on each site.
	Number
Enforcement actions or discrete potential and actual discharges fully corrected within 10 business days after violations are discovered or otherwise considered corrected in a timely period (C.6.e.iii.(3)(g)).	0
Total number of enforcement actions or discrete potential and actual discharges for the reporting year	0
Comments:	

C.6.e.iii.(4) ▶ Evaluation of Inspection Data	N/A
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: N/A	

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

⁵⁵For example, Enforcement Level 1 may be Verbal Warning.

C.6.e.iii.(4) ► Evaluation of Inspection Program Effectiveness	N/A
Describe what appear to be your program's strengths and weaknesses, and identify needed improvements, including education and outreach.	
Description: N/A	

C.6.f.iii. ► Staff Training Summary			
Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance
SMCWPPP Construction Inspector Training	February 1, 2017	<ul style="list-style-type: none"> Construction Site Stormwater Inspection (C.6) Training Case Study: Local Coordination with Caltrans' Project 	9 P&B staff including 1 P&B inspector 13 DPW staff including 9 DPW inspectors for FY16-17 2 PDU staff including 1 PDU inspector
CALBIG 2016 Stormwater Requirements for Construction Sites Training	September 21, 2016	<ul style="list-style-type: none"> Overview of stormwater regulations MRP construction site inspection requirements Stormwater inspection documentation and tracking Construction site BMPs Resources 	25 County staff 1 DPW inspector 6 Code inspectors 7 Building Inspectors

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

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:

Please see Section 7 and Section 9 of the SMCWPPP FY 16-17 Annual Report for a description of activities conducted at Countywide level.

C.7.c. ► Stormwater Pollution Prevention Education

During FY 06-17, the SMCFCFCD webpage was updated and now includes links to the County of San Mateo OOS and SMCWPPP websites, which include content on stormwater pollution prevention education.

<http://publicworks.smcgov.org/flood-control-districts>

<http://www.smcsustainability.org/energy-water/stormwater/>

<http://flowstobay.org/about>

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

The following outreach events were conducted on a countywide level by SMCWPPP and are described in detail in the Public Information and Outreach section of the SMCWPPP FY 16-17 Annual Report:

- Coastal Cleanup Day, September 17, 2016
- San Mateo County Fair, June 10-18, 2017

DPW/SMCFCD staff assisted with the Coastal Cleanup Day outreach by posting information on public bulletin boards at the County office building at 555 County Center in Redwood City and the San Francisco Bay Trail signboard along Colma Creek in South San Francisco. DPW/SMCFCD staff also served as the team captain at the Coastal Cleanup Day Colma Creek site.

Please see the C.7 Public Outreach and Citizen Involvement Events section of SMCWPPP FY 16-17 Annual Report for additional event information.

Public events specific to the Colma Creek Flood Control Zone are detailed below.

Event Details	Description (messages, audience)	Evaluation of Effectiveness
Colma Creek Earth Day Cleanup Event, 4/22/2017, Colma Creek in South San Francisco	Creek cleanup event coordinated by City of South San Francisco and DPW/SMCFCD staff. This event targeted the general public with focused messaging on litter reduction.	14 volunteers removed approximately 2.2 cubic yards of trash and illegally dumped material along the banks of lower Colma Creek.
Colma Creek Volunteer Day, 4/11/2017, Colma Creek in South San Francisco	Native planting/marsh restoration event with outreach and education messaging related to stormwater pollution prevention, litter reduction and native plant restoration.	29 volunteers (including students from Buri Buri Elementary, Alta Loma Middle School, SSF High School Earth Club, SSF residents, and volunteers from the Francis Drake Lodge), SMCFCFCD staff, and the County's restoration consultant planted approximately 200 native plants and removed approximately 1.1 cubic yards of trash.
National River Cleanup Day, 5/20/2017, Colma Creek in South San Francisco	Creek cleanup event coordinated by City of South San Francisco and DPW/SMCFCD staff. This event targeted the general public with focused messaging on litter reduction.	10 volunteers removed approximately 2.4 cubic yards of trash and illegally dumped material along the banks of lower Colma Creek.
In addition to the public outreach events listed above, which are specific to the Colma Creek Flood Control Zone, the County conducted		

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stormwater-related outreach at other events throughout San Mateo County. Please see the County of San Mateo FY 16-17 Annual Report for more information.

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:

Please see the C.7 Watershed Stewardship Collaborative Efforts section of SMCWPPP FY 16-17 Annual Report for a summary of activities conducted by SMCWPPP.

SMCFCD staff continued to work with SMCWPPP and County OOS to support watershed stewardship collaborative efforts throughout San Mateo County and worked directly with smaller local collaboratives that exist within the SMCFCFCD's zones. Please see the County of San Mateo FY 16-17 Annual Report for watershed stewardship efforts that County staff participated in that are not specific to SMCFCFCD flood zones. Watershed stewardship efforts conducted by SMCFCFCD staff that pertain directly to SMCFCFCD flood zones are summarized below.

SMCFCD and DPW staff continued participation in the Bay Area Integrated Regional Water Management Program (IRWMP) by serving as a Bay Area Flood Protection Agency Association (BAFPAA) participating agency. IRWMP and BAFPAA agencies worked collaboratively on regional flood protection, stormwater management, and watershed issues, and continued conducting outreach to smaller cities and watershed groups for sub-regional projects.

SMCFCD continued collaborative efforts in the Colma Creek watershed through the Colma Creek Flood Control Zone Citizens Advisory Committee and Technical Advisory Committee (TAC), including representatives from all municipalities located within the watershed, and also with the South San Francisco Community Preservation Task Force (CTPF). SMCFCFCD staff provided regular updates on SMCFCFCD Colma Creek activities and collaborated on ideas and opportunities for outreach, trash load reduction activities, vegetation management, and abatement of illegal dumping and homeless encampments. In October 2016, a Memorandum of Agreement (MOA) between the SMCFCFCD and the City of South San Francisco for maintenance activities and other shared activities was fully executed. A similar MOA between the SMCFCFCD and the Town of Colma was executed and became effective in January 2017. The SMCFCFCD does not have dedicated maintenance staff and in the past has relied on County Road Services Division staff or contract services to perform maintenance, cleanup, or enforcement on or along the channel. The MOAs serve to better identify access rights, ownership, and easements and facilitate collaborative, and in some cases more timely, response for dealing with illegal encampments, illicit discharges, and other cleanup issues such as illegal dumping, litter accumulation, and graffiti abatement, as well as maintenance activities such as fence repair and weed/vegetation management.

SMCFCD is also involved with watershed collaborative efforts in the San Francisquito Creek watershed and Flood Control Zone. SMCFCFCD is a member of the San Francisquito Creek Joint Powers Authority (JPA) along with the Santa Clara Valley Water District and the Cities of East Palo Alto, Menlo Park, and Palo Alto. The JPA was created to collaboratively address flooding and watershed protection. SMCFCFCD staff attended monthly JPA meetings and provided input on watershed and flooding issues. SMCFCFCD staff also participated in the annual creek walk with other

JPA member agency staff to identify areas of trash and debris accumulation.

The County of San Mateo created the Flood Resilience Program (Program) in 2016 to address the County's areas of responsibility that are challenged by flood risks and are not covered by the County's active Flood Control zones. Since its inception, the Program has taken a regional approach to flood resilience and is actively collaborating with seven jurisdictions across multiple watersheds, including Bayfront Canal-Atherton Channel, Belmont Creek, and Navigable Slough (a tributary to Colma Creek). The Program has taken a multi-benefit approach to developing implementable flood management plans and projects within these watersheds. Although flood management is the primary objective of the Program, value added measures such as green infrastructure, stormwater pollution prevention, creek and wetlands restoration, and sea level rise are being considered. In addition to developing flood management plans and prioritizing projects to design and implement, the Program is actively seeking other funding opportunities such as grants and cooperative agreements and is implementing a community outreach platform to maintain an open dialogue with community members, other County initiatives, local and regional governments, and regulatory agencies.

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.

Please see the C.7 School-Age Children Outreach section of SMCWPPP FY 16-17 Annual Report for a summary of school-age children outreach conducted at the countywide Program level on behalf of the municipalities and SMCFCFD.

County staff and the RecycleWorks Program also conducted other stormwater-related outreach to school-aged children. Please see the County of San Mateo FY16-17 Annual Report for additional information.

The following outreach event specific to the Colma Creek Flood Control Zone was conducted by the SMCFCFD.

Program Details	Focus & Short Description	Number of Students/Teachers reached	Evaluation of Effectiveness
Colma Creek Volunteer Day, 4/11/2017, Colma Creek in South San Francisco	Native planting/marsh restoration event with outreach and education messaging related to stormwater pollution prevention, litter reduction and native plant restoration. Prior to the start of the planting, a restoration ecologist and County/FCD biologist gave a talk about wetland ecology	One teacher from Alta Loma Middle School and ten students from Buri Buri Elementary, Alta Loma Middle School, and the SSF High School Earth Club	29 volunteers (including 10 students from Buri Buri Elementary, Alta Loma Middle School, SSF High School Earth Club, SSF residents, and volunteers from the Francis Drake Lodge), SMCFCFD staff, and the County's restoration consultant planted approximately 200 native plants and removed approximately 1.1 cubic yards of trash. Reusable water bottles were

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	and storm water quality. SMCWPPP stormwater educational materials were distributed to the students and teacher.		given as prizes for participants who were able to answer quiz questions following presentation.
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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:						
Report implementation of IPM BMPs by showing trends in quantities and types of pesticides used, and suggest reasons for increases in use of pesticides that threaten water quality, specifically organophosphates, pyrethroids, carbamates fipronil, indoxacarb, diuron, and diamides. A separate report can be attached as evidence of your implementation.						
Trends in Quantities and Types of Pesticide Active Ingredients Used⁵⁶						
Pesticide Category and Specific Pesticide Active Ingredient Used	Amount ⁵⁷					
	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21
Organophosphates	0	0				
Active Ingredient Chlorpyrifos	0	0				
Active Ingredient Diazinon	0	0				
Active Ingredient Malathion	0	0				
Pyrethroids (see footnote #57 for list of active ingredients)	0	0				
Carbamates	0	0				
Active Ingredient Carbaryl	0	0				
Active Ingredient Aldicarb	0	0				
Fipronil	0	0				
Indoxacarb	Reporting not required in FY 15-16	0				
Diuron	Reporting not required	0				

⁵⁶Includes all municipal structural and landscape pesticide usage by employees and contractors.

⁵⁷Weight or volume of the 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.

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	in FY 15-16					
Diamides	Reporting not required in FY 15-16	0				
Active Ingredient Chlorantraniliprole	Reporting not required in FY 15-16	0				
Active Ingredient Cyantraniliprole	Reporting not required in FY 15-16	0				

IPM Tactics and Strategies used:

The County Board of Supervisors adopted the County of San Mateo IPM as a policy document on June 8, 2010, and the County has since been implementing the policy accordingly. To address comments provided by Regional Board staff, County staff from multiple departments worked closely with local agencies through the SMCWPPP Parks Maintenance and IPM Work Group to review and refine standardized IPM language. The revised IPM policy document was adopted by the County Board of Supervisors on July 24, 2012 (Resolution and IPM policy were submitted to the Regional Board as an attachment to the FY11-12 Annual Report).

During FY 16 -17, the County continued to implement its IPM policy, as adopted July 24, 2012. The SMCFCFD does not routinely apply pesticides at the County-maintained flood control facilities. The SMCFCFD contracts with a landscape/restoration consultant for on-going maintenance of several mitigation sites within the Colma Creek Flood Control Zone. The majority of work performed by the contractor involves the use of non-chemical strategies such as hand weeding and mechanical removal, mulching, and replacing invasive plants with native plants. For FY 16-17, no herbicide was used at SMCFCFD facilities or mitigation areas.

County and SMCFCFD staff regularly participate in the County of San Mateo Agricultural Commissioner's Weed Management Areas, a collaborative group made up of agencies, nonprofits, and interested citizens, to coordinate and discuss priority weed issues within the County and appropriate treatments, including BMPs.

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.	0
Enter the number of these employees who received training on your IPM policy and IPM standard operating procedures within this reporting year.	N/A
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.	N/A
Type of Training: N/A	

C.9.c. ▶ Require Contractors to Implement IPM			
Did your municipality contract with any pesticide service provider in the reporting year, for either landscaping or structural pest control?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/> No
If yes, did your municipality evaluate the contractor's list of pesticides and amounts of active ingredients used?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/> No,
<p>If your municipality contracted with any pesticide service provider, briefly describe how contractor compliance with IPM Policy/Ordinance and SOPs was monitored</p> <p>As described in the SMCFCFCD FY 15-16 Annual Report, the SMCFCFCD contracted with a landscape/restoration consultant, Ecological Concerns, Incorporated (Agreement No. 48400-16-D005), for on-going maintenance of several mitigation sites within the Colma Creek Flood Control Zone. The County IPM policy was provided to the consultant, and implementation was included as a condition for all applicable task order authorizations. Limited amount of herbicide were used in FY 15-16 to control a problematic weed species along an access road, but not in FY 16-17. The consultant conducts mitigation site plant monitoring along established transects twice per year (September and October) to determine compliance with performance criteria as detailed in the mitigation project Habitat Mitigation and Monitoring Plan. Monitoring results are then used by SMCFCFCD staff and the contractor to develop the work plan for the following year. Monitoring results, summaries of consultant maintenance activities, problems (i.e., weedy species), and IPM-based recommendations are summarized in an Annual Report that is provided to the Water Board and other agency staff.</p> <p>For FY 16-17, the only pest control activities (weed management) conducted by SMCFCFCD were at the mitigation sites described above. No pest control activities were conducted along other SMCFCFCD channels or at the two San Bruno Creek Flood Control Zone pump stations. The SMCFCFCD does not have any buildings or other facilities that require the use of structural pesticides.</p>			

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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
<p>If yes, summarize the communication. If no, explain.</p> <p>As mentioned above, County and SMCFCD staff regularly participate in the County of San Mateo Agricultural Commissioner's Weed Management Areas, a collaborative group made up of agencies, nonprofits, and interested citizens, to coordinate and discuss priority weed issues within the County and appropriate treatments, including BMPs. Staff from the Agricultural/Weights and Measures Department are contacted on as-needed basis for project-specific guidance. Please see Section 9 of the SMCWPPP FY 16-17 Annual Report for summary of SMCWPPP communication with the San Mateo County Agricultural Commissioner.</p>			
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.			

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.	
<p>Summary:</p> <p>Please see the C.9 Pesticides Toxicity Control section of the SMCWPPP FY 16-17 Annual Report for information on point of purchase public outreach conducted countywide and regionally.</p>	

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.	
<p>Summary:</p> <p>Please the C.9 Pesticides Toxicity Control section of the SMCWPPP FY 16-17 Annual Report for a summary of public outreach to residents who hire pest control and landscape professionals.</p>	

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:

Please see the C.9 Pesticides Toxicity Control section of SMCWPPP FY 16-17 Annual Report for a summary of outreach to pest control operators and landscapers to reduce pesticide use.

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 16-17, we participated in regulatory processes related to pesticides through contributions to SMCWPPP, 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

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 70% mandatory trash load reduction deadline was attained. If not attained, attach and include reference to a Plan to comply with the deadline in a timely manner, which should include the Permittee's plan and schedule to install full capture systems/devices.	
Trash Load Reductions	
Percent Trash Reduction in All Trash Management Areas (TMAs) due to Trash Full Capture Systems (as reported C.10.b.i)	N/A
Percent Trash Reduction in all TMAs due to Control Measures Other than Trash Full Capture Systems (as reported in C.10.b.ii) ⁵⁸	N/A
Percent Trash Reduction due to Jurisdictional-wide Source Control Actions (as reported in C.10.b.iv) ¹	N/A
SubTotal for Above Actions	N/A
Trash Offsets (Optional)	
Offset Associated with Additional Creek and Shoreline Cleanups (as reported in C.10.e.i)	N/A
Offset Associated with Direct Trash Discharges (as reported in C.10.e.ii)	N/A
Total (Jurisdictional-wide) % Trash Load Reduction in FY 16-17	N/A
Discussion of Trash Load Reduction Calculation and Attainment of the 70% Mandatory Deadline: N/A	

⁵⁸ See Appendix 10-1 for changes in trash levels by TMA between 2009 and FY 16-17.

Permittee Name: San Mateo County Flood Control District

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 16-17, during FY 16-17, 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.

SMCFCD was required to install one trash boom or two outfall capture devices (minimum 2 ft. diameter outfall) or equivalent measures by July 1, 2014. The SMCFCD met the minimum full trash capture requirement by the installation of equivalent measures (small full trash capture devices) in the Colma Creek watershed and other areas in the unincorporated County, consistent with Attachment J of the previous MRP. To establish a level of "equivalent measures", the mean drainage area for 2 ft. diameter outfalls (i.e., the minimum diameter for typical trash outfall capture devices) in the Colma Creek Flood Control Zone (Colma Creek watershed) is approximately 35 acres, and the median is approximately 25 acres. To date, the County has installed 166 full trash capture devices (connector pipe screens or CPS) throughout unincorporated San Mateo County including areas within the Colma Creek watershed. The total treatment area covered by the County's devices is approximately 580 acres. This far exceeds the combined MRP requirement of minimum full trash capture area for unincorporated San Mateo County (21 acres) and equivalent measures for SMCFCD which, as reported in past annual reports, were previously estimated to be approximately 25 to 35 acres for a 2 ft. diameter outfall. Please see C.10 of the County of San Mateo's FY 16-17 Annual Report for additional full trash capture device information.

In addition to small full trash capture devices that have been installed throughout the unincorporated County, the SMCFCD has continued with collaborative efforts through the Colma Creek Flood Control Zone Technical Advisory Committee (TAC) to identify priority locations for large full trash capture devices and other trash load reduction measures. The TAC includes management and staff from SMCFCD, City of South San Francisco, Daly City, and the Town of Colma. The TAC will continue to meet on a regular basis and the SMCFCD is committed to continuing this collaborative effort.

Type of System	# of Systems	Areas Treated (Acres)
Installed Prior to FY 16-17		
Connector Pipe Screens (Public)	166	580.0*
Installed in FY 16-17		
Connector Pipe Screens (Public)	0	3.6**
Total for all Systems Installed To-date	166	583.6
Treatment Acreage Required by Permit (Population-based Permittees)		21

Total # of Systems Required by Permit (Non-population-based Permittees)	2
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*Area treated includes jurisdictional and non-jurisdictional lands (e.g., public K-12 schools and colleges, and freeways).

**Treatment due to devices installed by bordering Cities / Towns with treatment areas extending into the unincorporated portions of San Mateo County.

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

Provide the following:

- 1) Jurisdictional-wide trash reduction in FY 16-17 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) The percentage of systems in FY 16-17 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 in FY 16-17	Summary of Maintenance Issues and Corrective Actions
1	47.4%	166	0	The level of maintenance needed for full trash capture devices varied by specific location or area depending on the levels of trash, frequency of street sweeping, amount of leaf litter, and the timing of storms in relation to street sweeping. Since initial installation, DPW Roads Division maintenance staff have found that full service cleaning with a Vac-Con truck is needed less than originally anticipated for the CPS units that were installed in combination with ARS units at the curb opening. For FY 16-17, the DPW Roads Division maintenance crews performed scheduled maintenance and inspection of the full trash capture devices with a Vac-Con truck one to two times per year, depending on location. Full trash capture devices were also regularly inspected during routine patrols by the DPW Road Services Division maintenance crews. Additional maintenance was conducted on an as-needed basis throughout the rainy season as determined during the routine patrols and inspections. Crews also hand sweep in front of the ARS as needed prior to and/or during storms. No problems were reported with the functionality of the devices.
2	0.4%			
3	1.1%			
4	0.0%			
5	1.0%			
6	0.1%			
7	0.8%			
8	0.0%			
9	0.0%			
Total	50.8%			

				<p>Since January 1, 2016 (effective date of the MRP 2.0), per the County's trash full capture device O&M Program, DPW staff have been using the SMCWPPP field form template for logging inspection and maintenance, and the data are tracked electronically. During the second half of FY 16-17, DPW began working on an automation of the trash full capture device process to allow for electronic field data collection using a handheld device and Collector for ArcGIS integrated with Survey 123 (process information sheet attached). It is anticipated that this system will be in full use during FY 17-18. During FY 17-18, DPW also plans to explore the integration of trash full capture device inspection into our existing computerized maintenance management systems – Hansen or Accela.</p> <p>For FY16-17, a total of 298 scheduled inspections were conducted at the 166 full trash capture device locations. Device maintenance was performed during 254 of the 298 inspections. None of the inspected devices (0%) were >50% full or had plugged screens.</p> <p>In FY 15-16, it was reported that six devices located in TMA 5 were observed to be >50% full primarily due to the accumulation of natural leaf litter and debris. The locations were flagged in the maintenance database and inspection and maintenance frequency was increased accordingly to ensure that accumulation levels did not exceed 50%.</p>
<p>Certification Statement:</p> <p>The County of San Mateo and SMCFCFD certify that a full capture system maintenance and operation program is currently being implemented to maintain all applicable systems in manner that meets the full capture system requirements included in the Permit.</p>				

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

N/A - Per the MRP, the SMCFCFD, a non-population based permittee, is not subject to Long-Term Trash Load Reduction Plan requirements.

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
N/A	

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

N/A - Per the MRP, the SMCFCFD, a non-population based permittee, is not subject to Long-Term Trash Load Reduction Plan requirements.

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 16-17 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 ⁵⁹ Available for Assessment	Summary of On-land Visual Assessments			Jurisdictional-wide Reduction (%)
		Street Miles Assessed	% of Applicable Street Miles Assessed	Ave. # of Assessments Conducted at Each Site	
N/A					

⁵⁹ Linear feet are defined as the street length and do not include street median curbs.

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 estimate the associated reduction of trash within your jurisdictional area. Note: There is a maximum of 10% total credit for source controls.

Source Control Action	Summary Description & Dominant Trash Sources and Types Targeted	Evaluation/Enforcement Method(s)	Summary of Evaluation/Enforcement Results To-date	% Reduction
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Per the MRP, non-population based permittees are not subject to this trash reduction requirement/provision; however, SMCFCFCD staff proactively participated in a variety of trash reduction actions. Highlights of the trash reduction activities that occurred in or were indirectly related to SMCFCFCD Flood Control Zones are summarized below.

- Continued implementation of the Colma Creek Maintenance Monitoring Program that was implemented in 2005. The Program involves quarterly inspections (including documentation of trash and illegal dumping) and on-average approximately 10 cleanup events utilizing work force from the Sheriff's Work Program. During this reporting period, the Program coordinated 16 work days for the Sheriff's Work Program involving litter and debris cleanups within the lower reach of Colma Creek resulting in removal of approximately 59.7 cubic yards of trash and debris.
- In collaboration with the City of South San Francisco, SMCFCFCD staff hosted and conducted outreach for Coastal Cleanup Day (Colma Creek hot spots), Earth Day, and National Rivers Cleanup Day volunteer cleanup events. SMCFCFCD also coordinated a volunteer planting and cleanup day focused around school-aged children. These volunteer events resulted in the removal of approximately 10.1 cubic yards of trash and debris.
- Continued efforts to increase litter enforcement and abatement efforts in Colma Creek in collaboration with the City of South San Francisco through the Colma Creek Maintenance and Monitoring Program. SMCFCFCD continued to maintain postings on the message board that was installed during FY 11-12 at Colma Creek just upstream from the confluence with the San Francisco Bay near the pedestrian bridge. Postings included where to report illegal dumping and other problems, trash cleanup events and results, endangered species info, leash ordinance info to protect nesting clapper rails, and volunteer event information.
- Conducted San Francisquito Creek Flood Control Zone annual creek walk with the JPA, identified priority locations for Coastal Cleanup Day, and assisted with coordination.
- On 11/6/2012, the County Board of Supervisors passed a Reusable Bag Ordinance that became effective on 4/22/2013. The ordinance covers unincorporated areas within the watersheds draining into the four SMCFCFCD Flood Control Zones.
- On 3/1/11, the County Board of Supervisors adopted Ordinance No. 04542 prohibiting food vendors from using polystyrene-based disposable food service ware. The ordinance covers unincorporated areas within the watersheds draining into the four SMCFCFCD Flood Control Zones.
- San Mateo County adopted an ordinance adding Chapter 3.50 Illegal Dumping and Littering to Title 3 of the San Mateo County Ordinance Code, introduced on April 26, 2016. Though illegal dumping is a crime, it is rarely prosecuted. Thus, to maximize enforcement, staff recommended that the county streamline and enhance existing administrative and civil tools by adopting the attached proposed chapter 3.50 of County Ordinance Code. The ordinance classifies both illegal dumping and littering public nuisances and sets forth criminal penalties for each action. Major violations of the ordinance are subject to an increased administrative penalty of \$3,000.00 after notice and an opportunity to appeal is given to the violator. At the same time, it expands the range of individuals potentially responsible for dumping and littering violations to include the following: 1) persons participating in violations, 2) persons whose motor vehicles are used in connection with

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 estimate the associated reduction of trash within your jurisdictional area. Note: There is a maximum of 10% total credit for source controls.

- an act of illegal dumping and 3) property owners whose tenants commit an act of illegal dumping. Finally, the ordinance authorizes the County Manager to develop a community service program to serve as a possible alternative to payment of penalties imposed under the ordinance.
- SMCFCFD has been an active participant in the ReThink Disposable project, a non-regulatory research and outreach project aimed at identifying and implementing BMPs for reducing disposable products and packaging in take-out food businesses, since it began. During the grant-funded phases of the project, litter and business audits were conducted in areas of unincorporated San Mateo County and areas draining to SMCFCFD zones. The County is currently exploring continued partnership with Clean Water Action and the ReThink Disposable project to continue with source reduction measures in high trash areas.
 - In 2015, the County launched "Report It! SMC", the County's mobile app that empowers residents to report illegal dumping and graffiti in areas within unincorporated San Mateo County using their smart phone or online - <https://gov.seeclickfix.com/2015/04/01/san-mateo-county-ca-launches-report-it-smc/> The City of South San Francisco has a similar application, "Engage SSF" (<https://en.seeclickfix.com/south-san-francisco/>), which SMCFCFD utilizes for reporting areas with accumulated trash along the FCD but within the City of SSF's jurisdiction.
 - As described above in Section C.7.e, the SMCFCFD worked with the Colma TAC on development of MOAs between the SMCFCFD and the City of South San Francisco and the SMCFCFD and the Town of Colma to perform maintenance, cleanup, or enforcement on or along the channel. The MOAs serve to facilitate collaborative response for dealing with illegal encampments and cleanup issues such as illegal dumping and litter accumulation. During FY 16-17, two homeless encampments along the Colma Creek Flood Control Channel were cleaned up through the MOA utilizing resources of the City of South San Francisco.

Please see Sections 7 and 10 of the County of San Mateo FY 16-17 Annual Report for additional trash control measures that were implemented by the County and Sections 7 and 10 of the SMCWPPP FY 16-17 Annual report for activities conducted on a countywide or regional level.

C.10.c. ► Trash Hot Spot Cleanups

Provide the FY 16-17 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 16-17.

Trash Hot Spot	New Site in FY 16-17 (Y/N)	FY 16-17 Cleanup Date(s)	Volume of Trash Removed (cubic yards)				
			FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17
SCF01	N	9/24/2016	1.0	0.3	0.5	0.2	0.5
SCF02	N	11/2/2016	1.0	1.3	2.7	0.6	2.5

C.10.d. ► Long-Term Trash Load Reduction Plan		N/A - Per the MRP, the SMCFCD, a non-population based permittee, is not subject to Long-Term Trash Load Reduction Plan requirements.
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), baseline trash generation maps, control measures, or time schedules identified in your plan. Indicate whether your baseline trash generation map was revised and if so what information was collected to support the revision. If your baseline trash generation map was revised, attach it to your Annual Report.		
Description of Significant Revision		Associated TMA
N/A		

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 16-17. 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 16-17	Offset (% Jurisdiction-wide Reduction)
Additional Creek and Shoreline Cleanups (Max 10% Offset)	County staff continued to implement the Colma Creek Maintenance and Monitoring Program that was started in 2005. The Program involves quarterly inspections (including documentation of trash and illegal dumping) and on average 10 cleanups per year utilizing work force from the SWP. For FY16-17, 16 SWP cleanups were conducted resulting in removal of approximately 59.7 cubic yards of litter and illegally dumped material. Additionally, County staff collaborated with the City of South San Francisco to coordinate several volunteer cleanup events (in addition to the Coastal Cleanup Day hot spot cleanup) in the lower reach of Colma Creek resulting in the removal of an additional 5.7 cubic yards of litter and illegally dumped material.	N/A	N/A
Direct Trash Discharge Controls (Max 15% Offset)	N/A	N/A	N/A

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

Please see the SMCWPPP FY 2016-17 Annual Report for:

- Documentation of mercury control measures implemented in our agency's jurisdictional area for which load reductions will be reported and the associated management areas;
- A description of how the BASMAA Interim Accounting Methodology⁶⁰ was used to calculate the mercury load reduced by each control measure implemented in our agency's jurisdictional area and the calculation results (i.e., the estimated mercury load reduced by each control measure); and
- Supporting data and information necessary to substantiate the load reduction estimates.

C.11.c. ► Plan and Implement Green Infrastructure to Reduce Mercury Loads

If the regional or countywide mercury load reductions required by this sub-provision via Green Infrastructure by the end of the permit term are not met, will Permittees in your county use the default population-based method to calculate the portion of the countywide load reduction required of each Permittee?

Y	Yes	No
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Although the Permittees in San Mateo County will use the default population-based method to calculate the portion of the countywide load reduction required of each Permittee, this is not directly applicable to the SMCFCD since it is a non-population based Permittee.

C.11.e. ► Implement a Risk Reduction Program

A summary of SMCWPPP and regional accomplishments for this sub-provision are included in the C.11 Mercury Controls section of the SMCWPPP FY 2016-17 Annual Report and/or a BASMAA regional report.

⁶⁰BASMAA 2017. Interim Accounting Methodology for TMDL Loads Reduced, Version 1.0. Prepared for BASMAA by Geosyntec Consultants and EOA, Inc., September 19, 2016.

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

Please see the SMCWPPP FY 2016-17 Annual Report for:

- Documentation of PCBs control measures implemented in our agency's jurisdictional area for which load reductions will be reported and the associated management areas;
- A description of how the BASMAA Interim Accounting Methodology⁶¹ was used to calculate the PCBs load reduced by each control measure implemented in our agency's jurisdictional area and the calculation results (i.e., the estimated PCBs load reduced by each control measure); and
- Supporting data and information necessary to substantiate the load reduction estimates.

If the regional and countywide PCBs load reductions required by C.12.a are not met, will Permittees in your county use the default population-based method to calculate the portion of the countywide load reduction required of each Permittee?	X	Yes		No
Although the Permittees in San Mateo County will use the default population-based method to calculate the portion of the countywide load reduction required of each Permittee, this is not directly applicable to the SMCFCFD since it is a non-population based Permittee.				

⁶¹BASMAA 2017. Interim Accounting Methodology for TMDL Loads Reduced, Version 1.0. Prepared for BASMAA by Geosyntec Consultants and EOA, Inc., September 19, 2016.

C.12.f. ► Manage PCB-Containing Materials and Wastes During Building Demolition Activities So That PCBs Do Not Enter Municipal Storm Drains

A summary of SMCWPPP and regional accomplishments for this sub-provision is included in the C.12 PCBs Controls section of the SMCWPPP FY 2016-17 Annual Report and/or a BASMAA regional report.

Does your agency plan to seek exemption from this requirement?

Yes

No

C.12.g. ► Fate and Transport Study of PCBs: Urban Runoff Impact on San Francisco Bay Margins

A summary of SMCWPPP and regional accomplishments for this sub-provision are included in the C.12 PCBs Controls section of the SMCWPPP FY 2016-17 Annual Report and/or a BASMAA regional report.

C.12.h. ► Implement a Risk Reduction Program

A summary of SMCWPPP and regional accomplishments for this sub-provision are included in the C.12 PCBs Controls section of the SMCWPPP FY 2016-17 Annual Report and/or a BASMAA regional report.

Section 13 - Provision C.13 Copper Controls

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

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:

The jurisdiction of the SMCFCFD is limited to the flood control channels that were constructed and maintained by the District. We rely on the legal authority of the municipalities in the Districts' watersheds to prohibit discharge of wastewater to storm drains generated from the installation, cleaning, treating, and washing of the surface of copper architectural features to storm drains within the municipalities of the watersheds. SMCFCFD works collaboratively with these municipalities in the enforcement of the prohibitions. Please see the County of San Mateo FY 16-17 Annual Report for a summary of how copper architectural features are addressed through the issuance of building permits for projects located in unincorporated San Mateo County and under the County's jurisdiction.

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

Provide summaries of any enforcement activities related to copper-containing discharges from pools, spas, and fountains.

Summary:

SMCFCFD does not have legal authority for prohibiting the discharge of water containing copper-based chemicals from pools, spas, and fountains to storm drains, and we rely on the legal authority of the municipalities in the Districts' watersheds for these activities. Please see the County of San Mateo FY 16-17 Annual Report for a summary of how copper-containing discharges from pools, spas, and fountains are addressed for projects and activities located in unincorporated San Mateo County and under the County's jurisdiction.

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:

The jurisdiction of the SMCFCFD is limited to the flood control channels that were constructed and maintained by the District. We do not have legal authority for pollutant control on industrial sites located within the adjacent jurisdictions; however, we do work collaboratively with the adjacent municipalities to address stormwater concerns, and County inspection staff are regularly trained. Past training materials have included resources such as the Santa Clara Valley Urban Runoff Pollution Prevention Program's June 3, 2010 "POC Commercial/Industrial Inspector Training Material".

FY 2016-2017 Annual Report C.15 – Exempted and Conditionally Exempted Discharges
Permittee Name: San Mateo County Flood Control District

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:

SMCFCD's maintenance activities typically do not involve landscape irrigation. However, the District is currently responsible for maintaining four habitat mitigation sites, which require periodic watering of new plants to ensure plant survival. All new plants are native and are watered by hand. The District routinely provides comments related to landscaping projects proposed by other agencies or private entities in areas adjacent to District facilities.

SMCWPPP offers several educational guidelines regarding landscape design for commercial and residential landscaping and gardening. Two specific outreach guide books are the San Mateo County Sustainable Green Streets and Parking Lot Design Guidebook and the Bay-Friendly Gardening Guide Book. These guidebooks, along with other water conservation, less-toxic pest control, and appropriate watering/irrigation practices outreach materials can be found at: <http://www.flowstobay.org>. Please see Section C.9.e.ii of SMCWPPP's FY 16-17 Annual Report for a description of SMCWPPP's activities related to point-of-purchase outreach which promotes less toxic pest control and landscape management and Section C.7 for a description of outreach conducted to promote water conservation programs, such as promoting rain barrel use.

The County Planning and Building Department makes the above Guidebooks and other materials produced by the Countywide Program available to the public at the front counter of the permit desk. This material was designed to minimize runoff and pollutant loading from excess irrigation within our jurisdiction. These materials were also distributed at many of the outreach events summarized in C.7 above and in the County of San Mateo FY 16-17 Annual Report.

The County of San Mateo FY 16-17 Annual Report provides a summary of other related efforts such as the new water and energy conservation program, a water conservation rebate program for low-flow toilets in the San Gregorio and Pescadero watershed, the OOS Sustainability Academy educational offerings, promotion of Bay Area Water Supply and Conservation water efficiency programs, the Water Efficient Landscaping Ordinance, and other efforts.

Please see the following websites for example outreach materials and additional information:

<http://sustainability.smcgov.org/>

FY 2016-2017 Annual Report C.15 – Exempted and Conditionally Exempted Discharges
Permittee Name: San Mateo County Flood Control District

<http://www.flowstobay.org/bayfriendly>
<http://www.flowstobay.org/pestcontrol>
<http://www.flowstobay.org/teameffort>
<http://www.flowstobay.org/publications>
<http://smchealth.org/asbs>

RESOLUTION NO. 075143

BOARD OF SUPERVISORS, COUNTY OF SAN MATEO, STATE OF CALIFORNIA

* * * * *

**RESOLUTION APPROVING A WORKPLAN TO DEVELOP A GREEN
INFRASTRUCTURE PLAN IN ACCORDANCE WITH PROVISION C.3.J OF THE
MUNICIPAL REGIONAL PERMIT**

RESOLVED, by the Board of Supervisors of the County of San Mateo, State of California, that

WHEREAS, the San Francisco Bay Regional Water Quality Control Board’s Municipal Regional Permit (MRP) regulates stormwater discharges from municipal storm drain systems throughout San Mateo County; and

WHEREAS, Provision C.3.j of the MRP requires each permittee to develop a Green Infrastructure Plan demonstrating how permittees will shift from traditional “gray” storm drain infrastructure—which channels polluted runoff directly into receiving waters without treatment—to a more resilient and sustainable storm drain system comprised of “green” infrastructure, which captures, stores, and treats stormwater; and

WHEREAS, the MRP also requires Green Infrastructure Plans be collectively designed to achieve specific load reductions in mercury and PCBs (polychlorinated biphenyls) by specific deadlines; and

WHEREAS, all permittees under the MRP are required to approve by June 30, 2017 a workplan for developing a Green Infrastructure Plan; and

WHEREAS, the City/County Association of Governments of San Mateo County

(C/CAG) is working with its member agencies, including County of San Mateo staff members, to develop model green infrastructure planning documents, including a model workplan; and

WHEREAS, the San Mateo County Green Infrastructure Workplan, attached to the Board of Supervisors' memo on this subject topic, details the tasks required to develop a Green Infrastructure Plan compliant with MRP requirements, including aspects to be implemented by C/CAG and by local agencies; and

WHEREAS, the County of San Mateo is committed to complying with requirements of the MRP; and

WHEREAS, it is the intent of the County of San Mateo to allocate resources to ensure timely development of a Green Infrastructure Plan in accordance with MRP requirements.

NOW THEREFORE, BE IT RESOLVED that the President of the Board of Supervisors shall be, and is hereby authorized and directed to approve the Green Infrastructure Workplan to develop a Green Infrastructure Plan, and the Clerk of the Board shall attest the President's signature thereto.

* * * * *

Automation of Storm Drains Inspection Process



Old Process

1 Fill out paper forms in the field



2 Transport forms to the office



3 Type forms data into Excel

ID	Inspection Date	Inspector	Evidence Observed	Due to Plugged Screen or Full Inlet?	Inlet 50% Full?	Repair Needed?	Cleaned?	Comments/Corrective Actions
1	11/06/2016		N	N	N	N	N	No trash or debris located immediately in front of catch basin or on grate opening
2	11/06/2016		Y	N	N	Y	Y	Catch basin open to street
3	11/06/2016		N	N	N	N	N	Trap clean in front of basin and strainer
4	11/06/2016		N	N	N	N	N	Flow sediment in the catch basin
5	11/06/2016		N	N	N	N	N	No vegetation or root growth present
6	11/06/2016		N	N	N	N	N	Pipe is registered and secure at basin end
7	11/06/2016		Y	N	Y	Y	Y	Need replacement
8	11/06/2016		N	N	N	N	N	Grates are intact and functional
9	11/06/2016		N	N	N	N	N	Grates are intact and functional
10	11/06/2016		N	N	N	N	N	No vegetation or root growth present
11	11/06/2016		Y	Y	Y	Y	Y	Manually rake or shovel to remove accumulated sediments
12	11/06/2016		N	N	N	N	N	No vegetation or root growth present
13	11/06/2016		N	N	N	N	N	Clean sediment and trash off grate

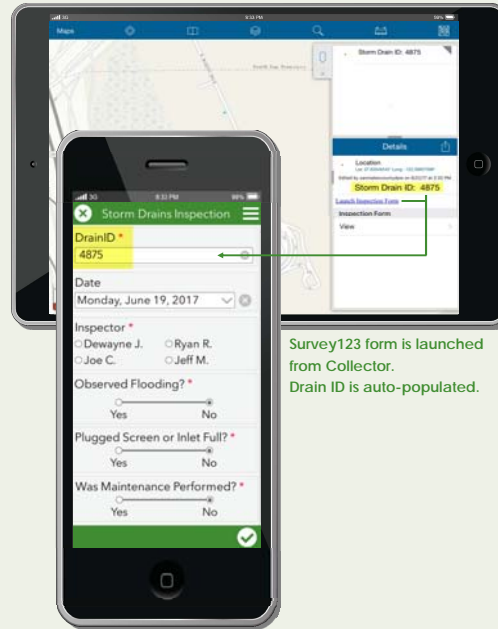
4 View tabular data

Disadvantages:

- Time consuming process
- Duplication of efforts
- Room for errors

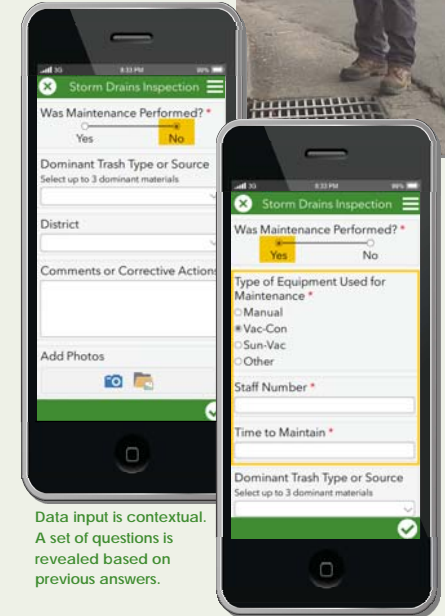
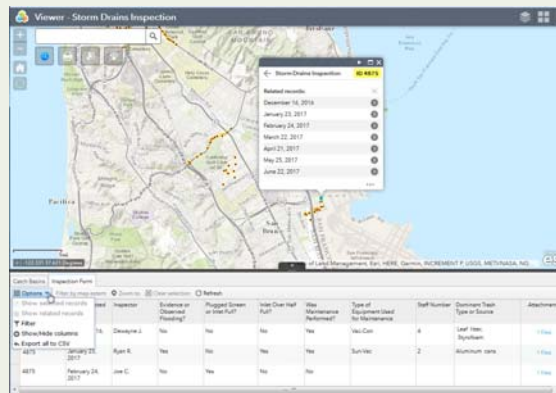
Current Process

1 Fill out digital forms in the field using Collector integrated with Survey123



Survey123 form is launched from Collector. Drain ID is auto-populated.

2 View tabular and spatial data in the office



Data input is contextual. A set of questions is revealed based on previous answers.

Advantages:

- Map of all collected data and photos is immediately available for office staff
- No need to retype
- One click to create a report