

**COUNTY OF SAN MATEO**  
**COUNTY MANAGER'S OFFICE**  
**OFFICE OF SUSTAINABILITY**

Jim Eggemeyer  
Director

County Government Center  
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September 30, 2019

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

Subject: **County of San Mateo**  
FY 2018/19 Annual Report

Dear Mr. Montgomery:

This letter and Annual Report with attachments is submitted by the County of San Mateo 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 2018/19 and related accomplishments.

We would like to note that the County was unable to meet the requirement of the MRP to inspect corporation yards during September 2018 for some of the County's corporation yards, but they were inspected in a subsequent month. This year's inspections are planned to occur by September 30. In addition, County staff conducted training with the inspector and supervisor to ensure the inspections are prioritized and completed on time. The inspector has added the inspections to his calendar for future years to ensure they occur in a timely fashion.

Please contact Breann Liebermann at 650-599-1514 regarding any questions or concerns.

Very truly yours,



Jim Eggemeyer  
Duly Authorized Representative  
Director, Office of Sustainability  
County Manager's Office

CC: Jim Porter, Director, Public Works  
CC: Heather Forshey, Director, Environmental Health Services



**COUNTY OF SAN MATEO  
FY 2018/19 ANNUAL REPORT**

**Certification Statement**

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

**Signature of Duly Authorized Representative:**

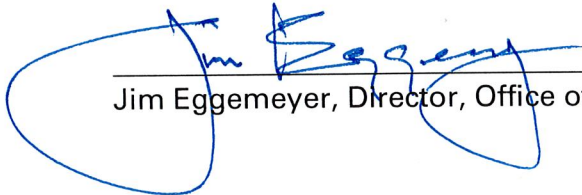
  
\_\_\_\_\_  
Jim Eggemeyer, Director, Office of Sustainability      9/30/19      Date

Table of Contents

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

Section 1 – Permittee Information

**SECTION I. BACKGROUND INFORMATION**

Background Information					
Permittee Name:	County of San Mateo				
Population:	67,023 (unincorporated area only)				
NPDES Permit No.:	CAS612008				
Order Number:	R2-2015-0049				
Reporting Time Period (month/year):	July 2018 through June 2019				
Name of the Responsible Authority:	Jim Eggemeyer	Title:	Director, Office of Sustainability		
Mailing Address:	455 County Center, 4 <sup>th</sup> Floor				
City:	Redwood City	Zip Code:	94063	County:	San Mateo County
Telephone Number:	650-363-4189	Fax Number:	650-363-1916		
E-mail Address:	jeggemeyer@smcgov.org				
Name of the Designated Stormwater Management Program Contact (if different from above):		Title:			
Department:					
Mailing Address:					
City:		Zip Code:		County:	
Telephone Number:		Fax Number:			
E-mail Address:					

Section 2 - Provision C.2 Reporting Municipal Operations

**Program Highlights and Evaluation**

Highlight/summarize activities for reporting year:

Summary:

During FY 18-19, County staff regularly participated in the Municipal Maintenance and Trash Control committees. Department of Public Works (DPW) staff continued with implementation of the County trash full capture device O&M Program including piloting an automated trash full capture device inspection process (based on the SMCWPPP field form template) involving electronic field data collection using handheld devices and Collector for ArcGIS integrated with Survey 123. Following surveys, data were imported into an electronic tracking database. Annual inspections were completed for all DPW and County Parks Department (Parks) Corporation Yards. Stormwater Best Management Practices (BMPs) were implemented as detailed in the site-specific Stormwater Pollution Prevention Plans (SWPPP); and no violations were reported. DPW staff continued routine monitoring and inspection of 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 road maintenance activities were conducted in accordance with the MRP and the County of San Mateo Watershed Protection Maintenance Standards (2004). Nine DPW staff assigned to construction inspections and oversight attended the SMCWPPP *Construction Site BMPs and MRP Requirements* training on March 11, 2019. The training covered important topics related to C.2 and C.6 including regulatory basics, MRP requirements, maintenance and construction stormwater BMPs, and resources. Refer to the C.2 Municipal Operations section of SMCWPPP’s FY 2018/19 Annual Report for a description of activities implemented at the countywide and/or regional 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
Y	Control of concrete slurry and wastewater, asphalt, pavement cutting, and other street and road maintenance materials and wastewater from discharging to storm drains from work sites.
Y	Sweeping and/or vacuuming and other dry methods to remove debris, concrete, or sediment residues from work sites upon completion of work.

Comments:

DPW Roads Division’s (Roads) sweeping logs were completed and are kept on file. Most residential and retail areas were swept twice per month. Arterial roads were generally swept twice per month. An area within unincorporated North Fair Oaks was swept once per week.

County Parks maintains approximately 6.4 curb miles within the "other area" category for annual sweeping. Sweeping logs were completed and are kept on file. Street sweeping was conducted monthly for the following San Mateo County Parks: Coyote Point Recreation Area, Coyote Point Marina, Edgewood County Park and Natural Preserve, Flood Park, Huddart County Park, Junipero Serra County Park, and San Bruno Mountain State and County Park. Devil's Slide Trail is swept weekly. Manual sweeping and blowing are also conducted by County Parks' staff 1 to 4 times per month.

All DPW and County Park road maintenance activities were conducted in accordance with the MRP and the San Mateo County Watershed Protection Maintenance Standards (2004). These standards were developed in conjunction with FishNet 4C, a County based salmon protection and restoration program that brought together the central coast counties of Mendocino, Sonoma, Marin, San Mateo, Santa Cruz, and Monterey, the National Marine Fisheries Service, the CA Department of Fish and Wildlife, and Regional Water Quality Control Board (Water Board). The Maintenance Standards manual was created to meet NPDES requirements as well as the Endangered Species Act Section 4(d) Rule for steelhead and salmon. Additionally, for all contracted DPW work, standard specifications include the requirement that all work be conducted in accordance with the MRP and the San Mateo Countywide Water Pollution Prevention Program, including standard construction BMPs - <http://www.flowstobay.org/sites/default/files/Countywide%20Program%20BMP%20Plan%20Sheet-June%202014%20Update.pdf>.

For maintenance projects involving construction with fill or potential impacts to water quality, creeks, wetlands, and/or special status species (e.g. culvert replacements, slip-out repairs, sediment removal), environmental permits were obtained from the appropriate regulatory agencies (Department of Fish and Wildlife Streambed Alteration Agreement, Water Board 401 WQ certification, Army Corps Permit, Section 7 consultations, Coastal Development Permit, CEQA compliance). Many of the obtained permits for DPW projects required additional BMPs and protective measures, which were implemented by DPW staff. For DPW projects requiring environmental permits, County biologists prepared and submitted memos to the Roads Manager and Construction Supervisors containing copies of all applicable permits and detailing specific BMP requirements. A monitoring biologist was onsite for DPW projects at high priority sites (i.e. coastal zone and/or sensitive habitat).

For Parks Department maintenance projects involving construction with fill or potential impacts to water quality, creeks, wetlands, and/or special status species, environmental permits were obtained from the appropriate regulatory agency. Similar to DPW, a number of the permits required additional BMPs and protective measures, which were implemented by Parks' staff. Parks' Natural Resource Management program staff (biologists and ecologists) developed permit binders that included all applicable permit documents, daily checklists, environmental awareness materials, outlined special permit conditions and BMPs. Memos detailing pre-, mid-, or post- construction surveys were included from both Natural Resource Management biologists and contractor biologists. The project binder remained on site during the duration of each project and is scanned and retained for records once the project is completed to assist in post-project reporting. A monitoring biologist was onsite for Parks projects at high priority sites (i.e., coastal zone and/or sensitive habitat).

DPW and Parks are currently working with the resource agencies to secure programmatic permits for routine maintenance activities. As part of the programmatic permitting process, a draft Routine Maintenance Program Manual (Maintenance Manual) has been developed and includes BMPs, maintenance standards, and conservation outcomes for municipal maintenance activities. Existing BMPs, maintenance standards, and conservation outcomes from the San Mateo County Watershed Protection Maintenance Standards (2004) have been incorporated into the new Maintenance Manual. When final, the Maintenance Manual will supersede the existing Maintenance Standards document. A multi-agency meeting was held on April 19, 2017 to present the draft Routine Maintenance Program and Manual and solicit early feedback from agency staff. Revisions were made based on agency feedback, and a revised Maintenance Manual was submitted to the agencies in July 2018. Follow-up meetings with agency representatives were held throughout FY2018/19, and permit applications and a revised Maintenance Manual were

submitted in April 2019. Final Maintenance Manual revisions, permit application response to comments/negotiations, and CEQA analysis are currently underway.

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

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

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

Comments:

The County Facilities, Maintenance and Operations (FMO) Section performs maintenance of the County’s parking garage and parking lots using a sweeper truck. The parking garage is typically swept twice per month, and the parking lots are swept monthly. The sweeper truck sprays and picks up the water as it sweeps. The water and debris are off loaded at Grant Yard in Redwood City, where the solids are separated out for disposal at a solid waste landfill, and the water is diverted to the sanitary sewer system for further treatment. FMO conducts power washing at County facilities on an as-needed infrequent basis. BASMAA BMPs were implemented (e.g. dry sweeping and routing wash water to landscaped areas). FMO implements BASMAA Mobile Surface Cleaner Programs BMPs when applicable.

County Parks corp yard pavement surfaces and paved paths are blown and manually swept on a regular basis. Wash racks for vehicles are contained and have appropriate drainage installed to capture run-off. Garbage bins are washed within the contained vehicle wash bay.

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

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

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

Comments:

The Construction Services Section (CSS) of DPW conducts a very limited and small-scale graffiti abatement program. CSS performs very minimal graffiti removal/abatement over or near bodies of water, bridges, underpasses and/or Caltrans' structures or right-of-ways. CSS typically performs minor urban graffiti removal on public property (traffic signage, benches, sidewalks, and walls). Graffiti abatement only consists of painting over the graffiti and/or removal using environmentally-friendly, biodegradable products. These processes do not generate airborne or downstream residue/contaminants. No pressure/power washing was conducted for graffiti abatement during this reporting period. Nonetheless appropriate CSS staff have completed the online BASMAA training program.

The County (CSS) has painters to remove all observed graffiti in the County's unincorporated North Fair Oaks area. For the first three-quarters of the fiscal year, CSS inspected the community and removed additional graffiti that was observed. The Contractor was required to follow BMPs to control discharges from graffiti removal activities. CSS of DPW has since taken over such activities but does not use power washing as a graffiti removal method.

As reported in the County FY16-17 and FY17-18 Annual Reports, DPW hired a contractor to commence construction of a new bridge over the Crystal Springs Dam, and work began in March 2016. Construction continued throughout FY18-19. The project specifications, plans, and SWPPP required comprehensive BMPs, compliance with all MRP requirements, and contractor employee training. The project site was inspected daily to ensure compliance with project SWPPP and the MRP. The project was deemed complete on October 18, 2018.

County Parks bridge maintenance in FY18-19 was limited to repairs on the Towne Creek Bridge in Pescadero County Park. CDFW determined that no LSAA notification was required based on the scope of the activities, and all appropriate erosion control BMPs were implemented. Bridge re-painting occurred in some locations, and measures to prevent paint, solvents, mortar, or other materials from spilling into any waterway were implemented, as well as measures to prevent overspray onto adjacent vegetation. Graffiti removal occurs using graffiti wipes which were properly



disposed of, or painted over. All deck drains and scuppers over streams were blocked off prior to washing, sandblasting, or scraping to prevent discharge into waterways.

**C.2.e. ► Rural Public Works Construction and Maintenance**

Does your municipality own/maintain rural<sup>1</sup> roads:  Yes  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.

Y	Control of road-related erosion and sediment transport from road design, construction, maintenance, and repairs in rural areas
Y	Identification and prioritization of rural road maintenance based on soil erosion potential, slope steepness, and stream habitat resources
Y	No impact to creek functions including migratory fish passage during construction of roads and culverts
Y	Inspection of rural roads for structural integrity and prevention of impact on water quality
Y	Maintenance of rural roads adjacent to streams and riparian habitat to reduce erosion, replace damaging shotgun culverts and excessive erosion
Y	Re-grading of unpaved rural roads to slope outward where consistent with road engineering safety standards, and installation of water bars as appropriate
Y	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:  
 All DPW and County Parks rural roads construction and maintenance activities were conducted in accordance with the County of San Mateo Watershed Protection Maintenance Standards (2004), which includes BMPs for rural roads. Rural means any watershed or portion thereof that is developed with large lot home-sites, such as one acre or larger, or with primarily agricultural, grazing, or open space uses. For rural road construction projects, including emergency repairs (e.g. slip-outs), conducted within the coastal zone and/or sensitive habitat, a County biologist or other qualified biologist is typically on site to monitor construction activities and BMP implementation. Additional permits (e.g. Department of Fish and Wildlife Streambed Alteration Agreement, Water Board 401 WQ certification, Army Corps Permit, Section 7 consultations, Coastal

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

Development Permit, CEQA compliance) are obtained for all rural road construction projects with fill or potential impacts to water quality, creeks, wetlands, and/or special status species. Many of those permits also require BMP and additional protective measures. These measures are typically detailed in memos from a County biologist to the Roads Manager and Construction Supervisor and are implemented accordingly. For FY18-19, there were only two DPW rural road projects, both involving emergency large woody debris modification at County-maintained bridges in the Pescadero and Butano Creek watersheds. All work was monitored by a County biologist, and BMPs were implemented to prevent water quality and habitat impacts.

Rural road repairs and maintenance in County Parks included minor grading and rocking to fill ruts and improve vehicle access, rebuilding water bars and drainage dips, and placing wattles for out slope run-off control. Inspections of all park roads, including fire roads, occurred following major storm events and at the end of the rainy season to identify any hazards or repairs needed. Major repair to Old Haul Road in Pescadero County Park was conducted in FY18-19, where two stream crossings (Keyston and Harwood Creeks) were identified for risk of failure. Deleterious fill was removed, new culverts were installed, and the road was re-graded over the crossings. All appropriate permits were obtained for these projects (e.g. Department of Fish and Wildlife Streambed Alteration Agreement, Water Board 401 WQ certification, Army Corps Permit, Section 7 consultations, Coastal Development Permit, CEQA compliance), and all conditions were adhered to for the implementation of this work. A biologist was on site daily for inspections throughout the duration of the project, and BMPs were implemented to prevent water quality and habitat impacts.

**C.2.f. ► Corporation Yard BMP Implementation**

Place an **X** in the boxes below that apply to your corporations yard(s):

<input type="checkbox"/>	We do not have a corporation yard
<input type="checkbox"/>	Our corporation yard is a filed NOI facility and regulated by the California State Industrial Stormwater NPDES General Permit
<input checked="" type="checkbox"/>	We have a <b>Stormwater Pollution Prevention Plan (SWPPP)</b> for the Corporation Yard(s)

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

<input checked="" type="checkbox"/>	Control of pollutant discharges to storm drains such as wash waters from cleaning vehicles and equipment
<input checked="" type="checkbox"/>	Routine inspection prior to the rainy seasons of corporation yard(s) to ensure non-stormwater discharges have not entered the storm drain system
<input checked="" type="checkbox"/>	Containment of all vehicle and equipment wash areas through plumbing to sanitary or another collection method
<input checked="" type="checkbox"/>	Use of dry cleanup methods when cleaning debris and spills from corporation yard(s) or collection of all wash water and disposing of wash water to sanitary or other location where it does not impact surface or groundwater when wet cleanup methods are used

Cover and/or berm outdoor storage areas containing waste pollutants

Comments:

DPW staff with specialized training in conducting stormwater inspections performed required pre-rainy season inspections at County DPW corporation yards. DPW staff performed corporation yard inspections in August and September of 2018. Minor follow-up measures that were requested during the August pre-inspections for DPW corporation yards were promptly addressed prior to the September inspection. No non-stormwater discharge violations were detected during corporation yard inspections. A summary of the results is provided in the table below.

The DPW Roads Division washes vehicles at Grant Corporation Yard which has designated washing areas equipped with connections to the Redwood City sewer system. Vehicle washing no longer occurs at the Redwood City Motor Pool since the facility was relocated to the Grant Corporation Yard.

The MRP requires inspections to be conducted between September 1 and September 30 but due to conflict with other high priority projects that were ongoing at the time that needed the Parks' inspector's attention, the 2018 inspections at corporation yards in County Parks did not occur until mid-November 2018. To ensure that inspections occur by September 30, 2019, the inspector has added the inspections to his calendar, and County staff conducted training with the inspector and Parks supervisor to ensure the inspections are prioritized and completed on time. In 2018, all corporation yards in County Parks were compliant with minor corrections related to general housekeeping. Vehicle washing at County Parks' corporation yards occurs within contained designated wash bays with sewer connections. Drip pans are used under all equipment stored within corporation yards. Spill kits are on site at all corporation yards.

In addition to the DPW and Parks pre-rainy season inspections, County Environmental Health Services (CEH) also conducts routine Hazardous Material and stormwater inspections at applicable DPW and Parks Corporation Yard facilities.

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 <sup>2</sup>	Inspection Findings/Results	Date and Description of Follow-up and/or Corrective Actions
Belmont Motor Pool	-Fuel Dispensing -Municipal Vehicle Parking Employee Parking -Waste and Recycling Storage	8/27/2018 9/26/2018	No violations.	N/A

<sup>2</sup> Minimum inspection frequency is once a year during September.

Grant Yard	-Vehicle and Equipment Washing -Vehicle and Equipment Repair -Fuel Dispensing -Outdoor Material Storage -Municipal Vehicle and Heavy Equipment Storage -Employee Parking -Waste and Recycling Storage	8/8/2018 9/18/2018	No violations. Inspector recommended replacing wattles near street sweeper building.	Replacement of wattles confirmed in September inspection.
La Honda	-Fuel Dispensing -Outdoor Material Storage -Municipal Vehicle and Heavy Equipment Storage -Employee Parking -Waste and Recycling Storage	8/29/2018 9/28/2018	No violations. Inspector recommended replacing sandbags and sweeping during August Inspection.	Yard was swept and sandbag replacement confirmed in September inspection.
Pescadero	-Fuel Dispensing -Outdoor Material Storage -Municipal Vehicle and Heavy Equipment Storage -Employee Parking -Waste and Recycling Storage	8/24/2018 9/28/2018	No violations. Inspector recommended replacing gravel bags near storm drain during August Inspection.	Replacement of gravel bags confirmed during September Inspection.
Princeton	-Fuel Dispensing -Outdoor Material Storage -Municipal Vehicle and Heavy Equipment Storage -Employee Parking -Waste and Recycling Storage	8/24/2018 9/27/2018	No violations. During the August inspection, inspector recommended replacement of wattles and sweeping.	Wattle replacement and sweeping occurred and was confirmed during the September inspection.
Parks Maintenance Yard	-Vehicle and Equipment washing -Vehicle maintenance and repair -Vehicle and equipment storage -Employee parking -Waste and recycling storage	11/13/2018	No violations	N/A
Coyote Point	-Vehicle and Equipment washing	11/13/2018	No violations	N/A

	-Vehicle maintenance and repair -Vehicle and equipment storage -Employee parking -Waste and recycling storage -Outdoor material storage			
Memorial	-Vehicle and Equipment washing -Vehicle maintenance and repair -Vehicle and equipment storage -Employee parking -Waste and recycling storage -Outdoor material storage -Vehicle fueling	11/14/2018	Minor housekeeping improvements: inspector recommended clean-up of unused material around the yard	Improvements verified via verbal follow ups and site visit by 11/24/2018
San Pedro Valley	-Vehicle and Equipment washing -Vehicle maintenance and repair -Vehicle and equipment storage -Employee parking -Waste and recycling storage	11/14/2018	No violations	N/A
Flood	-Vehicle and Equipment washing -Vehicle maintenance and repair -Vehicle and equipment storage -Employee parking -Waste and recycling storage -Outdoor material storage	11/14/2018	Minor housekeeping improvements: inspector recommended disposing of excess paints and fuses in shed, cleaning up area behind equipment shed, getting absorbent materials for equipment shed, and turning over cans in wet weather.	Improvements verified via verbal follow ups and site visit by 11/24/2018
Huddart	-Vehicle and Equipment washing -Vehicle maintenance and repair -Vehicle and equipment storage -Employee parking -Waste and recycling storage -Outdoor material storage	11/14/2018	Minor housekeeping improvements: inspector recommended labeling storm drain by tool shed and buying dry absorbent.	Improvements verified via verbal follow ups and site visit by 11/24/2018
Junipero Serra	-Vehicle and Equipment washing -Vehicle maintenance and repair -Vehicle and equipment storage -Employee parking -Waste and recycling storage -Outdoor material storage	11/14/2018	No Violations	N/A

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

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

See attached table C.3.b.iv.(2)

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

Is your agency choosing to require 100% LID treatment onsite for all Regulated Projects and not allow alternative compliance under Provision C.3.e.?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
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Comments (optional): Alternative and In-Lieu Compliance are allowed by the County of San Mateo, but the County of San Mateo had no such projects this year.

**C.3.e.v ► Special Projects Reporting**

1. In FY 2018-19, 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
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2. In FY 2018-19, 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
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If you answered "Yes" to either question,

- 1) Complete Table C.3.e.v.
- 2) Attach narrative discussion of 100% LID Feasibility or Infeasibility for each project.

N/A

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

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.

See attached Table C.3.h.v.(2) for list of newly installed Stormwater Treatment Systems/HM Controls.

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

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 (FY 17-18)	48
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 18-19)	52
Total number of Regulated Projects (including offsite projects, and Regional Projects) for which O&M verification inspections were conducted during the reporting period (FY 18-19)	12
Percentage of the total number of Regulated Projects (including offsite projects, and Regional Projects) inspected during the reporting period (FY 18-19)	25% <sup>3</sup>

<sup>3</sup> Based on the number of Regulated Projects in the database or tabular format at the end of the previous fiscal year, per MRP Provision C.3.h.ii.(6)(b).

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

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

Summary:

There were 48 regulated projects in the County's database at the end of the previous fiscal year (FY17-18). The Planning and Building Department, who conducts inspections of private sites only, conducted inspections for 9 sites, and County Staff conducted additional inspections of public facilities. Minor corrections were required at all sites to improve overall functionality. Similar to problems identified in previous years, staff identified common problems related to a general lack of maintenance. Common corrective actions included clearing trash and debris, replacing dead or missing vegetation, and adding mulch.

This fiscal year, the County was able to achieve compliance for the last outstanding sites that was inspected in FY17-18 in which corrections were not completed prior to the end of the fiscal year (a gas station). County Planning & Building staff involved Code Compliance Section staff to escalate enforcement per the County O&M Policy and its Enforcement Response Plan, with successful results.

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:

Starting last year, Planning & Building O&M inspection staff began to send more detailed correction notices including photos depicting problem areas and a narrative description of the actions required. These notifications help inexperienced property owners learn how to better maintain their systems and have produced overall effective responses from the property owners. This year, detailed correction notices were sent to the property owners of the 9 private sites that required correction and/or maintenance. In the detailed correction notices, Staff provided a 30-day correction deadline and will involve Code Compliance staff for escalation of enforcement if this deadline is passed.

In FY 18-19, Planning & Building created a new O&M page on their website detailing O&M requirements for property owners, including maintenance tasks, annual reporting, and resources on maintenance contractors: <https://planning.smcgov.org/operation-maintenance-om-private-stormwater-treatment-measures>



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

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

Summary:

BASMAA prepared standard specifications in four fact sheets regarding the site design measures listed in Provision C.3.i, as a resource for Permittees. We have modified local ordinances/policies/procedures and forms/checklists to require all applicable projects approved after December 1, 2012 to implement at least one of the site design measures listed in Provision C.3.i.

The County continues the C.3.i implementation procedures as described in FY 17-18, consisting of the following:

- Distribution of BASMAA’s site design fact sheets at the counter and on the County’s website.
- Distribution and collection of the SMCWPPP C.3 and C.6 Development Review Checklist prior to approval of discretionary/issuance of non-discretionary permits. The County requires the submittal of the full C.3 and C.6 Development Review Checklist for all projects which create or replace impervious surface and for specific uses with applicable source control requirements. The County does not use the Small Projects Checklist.
- Distribution of C.3.i guidance provided by the SMCWPPP C.3 Stormwater Technical Guidance document Appendix L.
- Planning staff continues to consult the NPDES process guidance for Planning and Building projects including instructions for staff to add conditions of approval applicable to C.3.i. prior to discretionary permit approval.
- Five (5) County staff attended the SMCWPPP New Development (C.3) Workshop on June 18, 2019 that included presentations on C.3 requirements.

**C.3.j.i.(5).(b) ► Green Infrastructure Plan**

*(For FY 2018-19 Annual Report only)* Did your agency complete a Green Infrastructure Plan?

X	<b>Yes, see attached Green Infrastructure Plan</b>		<b>No</b>
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The adopted Green Infrastructure Plan is can be found at the following link:  
[https://www.smcsustainability.org/download/energy-water/SMC-GI-PLAN-Final\\_09-17-19-with-Appendices.pdf](https://www.smcsustainability.org/download/energy-water/SMC-GI-PLAN-Final_09-17-19-with-Appendices.pdf)

<b>C.3.j.i.(5).(c) ► Legal Mechanisms</b>			
(For FY 2018-19 Annual Report only) Does your agency have legal mechanisms in place to ensure implementation of the Green Infrastructure Plan?	X	Yes, see attached documents or links provided below	No
<p><i>If Yes, describe the legal mechanisms in place and the documents attached or links provided.</i></p> <p>As part of the GI Plan development process, the County of San Mateo has reviewed its existing policies, ordinances, and/or other legal mechanisms related to the implementation of stormwater NPDES permit requirements and found that it has sufficient legal authority to implement the GI Plan. Adoption of the GI Plan by the Board of Supervisors has further strengthened this authority. A link to the adopted Green Infrastructure Plan is provided below:</p> <p><a href="https://www.smcsustainability.org/download/energy-water/SMC-GI-PLAN-Final_09-17-19-with-Appendices.pdf">https://www.smcsustainability.org/download/energy-water/SMC-GI-PLAN-Final_09-17-19-with-Appendices.pdf</a></p> <p><i>If No, provide schedule for completion:</i></p>			

<b>C.3.j.i.(5)(d) ► Green Infrastructure Outreach</b>
<p>On an annual basis, provide a summary of your agency’s outreach and education efforts pertaining to Green Infrastructure planning and implementation.</p> <p>Summary:</p> <p>The County Office of Sustainability (OOS) has been leading Green Infrastructure outreach efforts to County staff, elected officials, and the general public. OOS convened an interdepartmental GI Working Group with staff from DPW, Planning &amp; Building Department, Parks Department, and the County Manager’s Office. The County GI Working Group convened monthly in FY 2018-19 to stay on track for the development of the GI Plan. Between April 2019 and June 2019, County staff presented an overview of county GI efforts to the Planning Commission, the Midcoast Community Council and the North Fair Oaks Community Council.</p> <p>County staff have participated in several trainings and workshops related to GI. They attended the SMCWPPP C.3 training in June 2019 as well as the SFPUC Maintenance Model webinar in May 2019 and the GI Environmental Justice Webinar. County staff regularly participated and continues to participate in the SMCWPPP GI TAC. Through the SMCWPPP GI TAC, SMCWPPP and the consultant team provide model templates and technical support and coordinate regional approaches to meeting green infrastructure requirements.</p> <p>Please refer to SMCWPPP FY 2018/19 Annual Report for a summary of outreach efforts implemented at the countywide level.</p>

**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:  
The County Office of Sustainability convenes an interdepartmental GI working group which includes staff from DPW, Planning & Building, Parks and the Project Developmental Unit. Upcoming projects are a regular discussion at these meetings and opportunities for GI often come from this group. The Office of Sustainability also follows BASMAA guidance on reviewing CIP lists for GI opportunities.

Summary of Planning or Implementation Status of Identified Projects:  
See attached Tables C.3.j.ii.(2)-A and C.3.j.ii.(2)-B for the required information.

**C.3.j.iii.(2) and (3) ► 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.

*(For FY 2018-19 Annual Report only)* Submit a plan and schedule for new and ongoing efforts to participate in processes to promote green infrastructure.

Please refer to SMCWPPP FY 2018/19 Annual Report for: 1) 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; and 2) a plan and schedule for new and ongoing efforts to participate in processes to promote green infrastructure.

**C.3.j.iv.(2) and (3) ► 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.

*(For FY 2018-19 Annual Report only)* Submit the tracking methods used and report implementation of green infrastructure measures including treated area and connected and disconnected impervious area on both public and private parcels within their jurisdictions.

Please refer to the SMCWPPP FY 2018/19 Annual Report for: 1) a summary of methods being developed to track and report implementation of green infrastructure measures; and 2) a report on green infrastructure measures implemented to date, including acres of impervious area (total and treated), countywide and by Permittee.

**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 <sup>4</sup> , Street Address	Name of Developer	Project Phase No. <sup>5</sup>	Project Type & Description <sup>6</sup>	Project Watershed <sup>7</sup>	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft <sup>2</sup> ) <sup>8</sup>	Total Replaced Impervious Surface Area (ft <sup>2</sup> ) <sup>9</sup>	Total Pre-Project Impervious Surface Area <sup>10</sup> (ft <sup>2</sup> )	Total Post-Project Impervious Surface Area <sup>11</sup> (ft <sup>2</sup> )
<b>Private Projects</b>											
Cedar Slurry Seal and Paving (PLN2016-00491; BLD2018-00039)	Cedar Street from 1300 to 1398 Cedar St.	Walt Wykoff	N/A	Grading Permit to pave & widen (with new drainage culverts) an approx. 980 lineal ft long section (1 block) of Cedar Street (from 1300 to 1398 Cedar St.), a non County-maintained roadway in Montara.	Ocean (ASBS)	0.41	0.41	2740	15368	21460	24200
Commercial Office Enclosed Parking Lot (BLD2018-01289)	3295 El Camino Real	Darcck Pearl Investments	N/A	New enclosed 20-vehicle parking lot with permeable paving and landscaping for commercial office. New fencing with automatic gates for vehicles, new person gate, new lighting and trash enclosure. One new van accessible parking space. 10,700 sq. ft.	Redwood Creek Watershed	0.344	0.344	496	4440	8167	4936
Olympic Club (BLD2018-01546; BLD2018-01547)	599 Skyline Blvd.	The Olympic Club	N/A	New 26,000sf Golf Maintenance Building with attached soil and seed storage room and pump	Ocean	2.04	1.9	11554	67956	69799	81353

<sup>4</sup>Include cross streets

<sup>5</sup>If a project is being constructed in phases, indicate the phase number and use a separate row entry for each phase. If not, enter "NA".

<sup>6</sup>Project Type is the type of development (i.e., new and/or redevelopment). Example descriptions of development are: 5-story office building, residential with 160 single-family homes with five 4-story buildings to contain 200 condominiums, 100 unit 2-story shopping mall, mixed use retail and residential development (apartments), industrial warehouse.

<sup>7</sup>State the watershed(s) in which the Regulated Project is located. Downstream watershed(s) may be included, but this is optional.

<sup>8</sup>All impervious surfaces added to any area of the site that was previously existing pervious surface.

<sup>9</sup>All impervious surfaces added to any area of the site that was previously existing impervious surface.

<sup>10</sup>For redevelopment projects, state the pre-project impervious surface area.

<sup>11</sup>For redevelopment projects, state the post-project impervious surface area.

**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 <sup>4</sup> , Street Address	Name of Developer	Project Phase No. <sup>5</sup>	Project Type & Description <sup>6</sup>	Project Watershed <sup>7</sup>	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft <sup>2</sup> ) <sup>8</sup>	Total Replaced Impervious Surface Area (ft <sup>2</sup> ) <sup>9</sup>	Total Pre-Project Impervious Surface Area <sup>10</sup> (ft <sup>2</sup> )	Total Post-Project Impervious Surface Area <sup>11</sup> (ft <sup>2</sup> )
				room. Mechanics shop, equipment storage, and employee/administrative area.							
Palo Alto Housing (BLD2018-01934)	2821 El Camino Real, Redwood City	Palo Alto Housing	N/A	37 units of Affordable Housing	Redwood Creek Watershed	0.59	0.59	22,262	0	25,636	22,262
Lawlor Subdivision (PLN2015-00380) (BLD2019-01390)	Juliana and Vallemar	Owen Lawlor	N/A	4-lot subdivision, with 2-story SFDs	Dean Creek Watershed/ Ocean	2.35	0.75	16,600	0	0	16,600
Sunrise Senior Living (PLN2017-00251) (BLD2018-02560)	2915 El Camino Real	Sarieddine	N/A	New 3-story, 90-unit assisted living residential facility	Redwood Creek Watershed	1.42	1.42	23,757	25,293	53,860	49,050
<b>Public Projects</b>											
Coyote Point Firing Range (Part 2) BLD2018-02491	Coyote Pt Drive	County of San Mateo	Phase 2	Constructing storage shed and replacing outdoor shooting range.	San Francisco Bay	442.7	1.26	8,165	7,854	9,939	18,104
Sanchez Adobe (BLD2018-01550)	1000 Linda Mar Blvd., Pacifica	County of San Mateo - Parks	N/A	Installation of interpretive center at historic site, including visitor center, restrooms, education trails, fire-truck turnaround, and overflow parking.	San Pedro Creek Watershed	5.07	0.47	14,813	0	19,675	34,489
Coyote Point Animal Shelter (BLD2017-02682)	12 Airport Blvd., San Mateo	County of San Mateo	N/A	Redevelopment that includes construction of a new facility, storage barn, an expanded parking area, and 2 detention basins.	Sanchez Creek Watershed	4.08	4.08	115,954	96,743	96,743	115,954

Comments:

**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 <sup>12</sup>	Application Final Approval Date <sup>13</sup>	Source Control Measures <sup>14</sup>	Site Design Measures <sup>15</sup>	Treatment Systems Approved <sup>16</sup>	Type of Operation & Maintenance Responsibility Mechanism <sup>17</sup>	Hydraulic Sizing Criteria <sup>18</sup>	Alternative Compliance Measures <sup>19/20</sup>	Alternative Certification <sup>21</sup>	HM Controls <sup>22/23</sup>
<b>Private Projects</b>										
Cedar Slurry Seal and Paving (PLN2016-00491; BLD2018-00039)	9/20/2017	10/26/18	Landscaping	Direct runoff from driveways onto vegetated areas	bioretention	O&M Agreement Required	2(c)	N/A	N/A	No
Commercial Office Enclosed Parking Lot (BLD2018- 01289)	N/A	1/10/2019	Mark SD inlets, landscaping, roofed refuse area	Construct parking lots with permeable surfaces, minimize impervious surfaces	Permeable pavers	O&M Agreement Required	1(b)	N/A	N/A	No
Olympic Club (BLD2018-01546; BLD2018-01547)	N/A	4/10/2019	Mark SD inlets, Floor drains to sanitary, outdoor material storage, covered fuel dispensing areas	Direct runoff from driveways, roofs, and walkways onto vegetated areas	bioretention	O&M Agreement Required	2(c)	N/A	N/A	No
Palo Alto Housing (BLD2018-01934)	N/A	2/1/2019	Mark SD inlets, Floor drains to sanitary, covered refuse, fire sprinkler test	Roof runoff to vegetated areas; self-treating areas	bioretention	O&M Agreement Required	2(c)	N/A	N/A	No

<sup>12</sup>For private projects, state project application deemed complete date. If the project did not go through discretionary review, report the building permit issuance date.

<sup>13</sup>For private projects, state project application final discretionary approval date. If the project did not go through discretionary review, report the building permit issuance date.

<sup>14</sup>List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.

<sup>15</sup>List site design measures approved for the project. Examples include: minimize impervious surfaces; conserve natural areas, including existing trees or other vegetation, and soils; construct sidewalks, walkways, and/or patios with permeable surfaces, etc.

<sup>16</sup>List all approved stormwater treatment system(s) to be installed onsite or at a joint stormwater treatment facility (e.g., flow through planter, bioretention facility, infiltration basin, etc.).

<sup>17</sup>List the legal mechanism(s) (e.g., O&M agreement with private landowner; O&M agreement with homeowners' association; O&M by public entity, etc...) that have been or will be used to assign responsibility for the maintenance of the post-construction stormwater treatment systems.

<sup>18</sup>See Provision C.3.d.i. "Numeric Sizing Criteria for Stormwater Treatment Systems" for list of hydraulic sizing design criteria. Enter the corresponding provision number of the appropriate criterion (i.e., 1.a., 1.b., 2.a., 2.b., 2.c., or 3).

<sup>19</sup>For Alternative Compliance at an offsite location in accordance with Provision C.3.e.i.(1), on a separate page, give a discussion of the alternative compliance site including the information specified in Provision C.3.b.v.(1)(m)(i) for the offsite project.

<sup>20</sup>For Alternative Compliance by paying in-lieu fees in accordance with Provision C.3.e.i.(2), on a separate page, provide the information specified in Provision C.3.b.v.(1)(m)(ii) for the Regional Project.

<sup>21</sup>Note whether a third party was used to certify the project design complies with Provision C.3.d.

<sup>22</sup>If HM control is not required, state why not.

<sup>23</sup>If HM control is required, state control method used (e.g., method to design and size device(s) or method(s) used to meet the HM Standard, and description of device(s) or method(s) used, such as detention basin(s), bioretention unit(s), regional detention basin, or in-stream control).

**C.3.b.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 <sup>12</sup>	Application Final Approval Date <sup>13</sup>	Source Control Measures <sup>14</sup>	Site Design Measures <sup>15</sup>	Treatment Systems Approved <sup>16</sup>	Type of Operation & Maintenance Responsibility Mechanism <sup>17</sup>	Hydraulic Sizing Criteria <sup>18</sup>	Alternative Compliance Measures <sup>19/20</sup>	Alternative Certification <sup>21</sup>	HM Controls <sup>22/23</sup>
			water and condensate to landscaping							
Lawlor Subdivision (PLN2015-00380) (BLD2019-01390)	12/28/2018	3/26/2019	Retain existing vegetation, efficient irrigation	Direct runoff from driveways, roofs, and walkways onto vegetated areas; construct driveways from permeable surfaces; construct walkways and patios permeable surfaces	permeable pavers, bioretention	O&M Agreement Required	2(c)	N/A	N/A	No
Sunrise Senior Living (PLN2017-00251) (BLD2018-02560)	3/15/2018	9/4/2018	Floor drains and refuse areas routed to sewer; covered refuse areas; sinks for food service equipment	Direct runoff from driveways, roofs, and walkways onto vegetated areas; self-retaining areas	Flow through planter; self retaining areas	O&M Agreement Required	3	N/A	N/A	No



**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 <sup>24</sup>	Date Construction Scheduled to Begin	Source Control Measures <sup>25</sup>	Site Design Measures <sup>26</sup>	Treatment Systems Approved <sup>27</sup>	Operation & Maintenance Responsibility Mechanism <sup>28</sup>	Hydraulic Sizing Criteria <sup>29</sup>	Alternative Compliance Measures <sup>30/31</sup>	Alternative Certification <sup>32</sup>	HM Controls <sup>33/34</sup>
<b>Public Projects</b>										
Coyote Point Firing Range (Part 2) BLD2018-02491	2/22/2019	2/22/2019	Marking storm drains, fire sprinklers	Direct roof and sidewalk runoff to vegetated areas. Construct walkways with pervious surfaces.	Bioretention	County Policy	2.c	N/A	N/A	N/A
Sanchez Adobe (BLD2018-01550)	6/4/2019	6/4/2019	Landscaping	Roof, sidewalk, walkway, and parking lot runoff directed to vegetated areas. Conservation of Natural Areas.	Bioretention	County Policy	3	N/A	N/A	N/A
Coyote Point Animal Shelter (BLD2017-02682)	9/12/2019	9/12/2019	Marking storm drains, floor drains to sewer, landscaping, covered refuse area, outdoor process area, vehicle cleaning area, fire sprinklers	Conserve natural areas, min. impervious surface, min. disturbance to drainage areas, direct roof/walkway/driveway runoff to vegetated areas	Detention Basin	County Policy	1.b	N/A	N/A	N/A
Comments:										

<sup>24</sup>For public projects, enter the plans and specifications approval date.

<sup>25</sup>List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.

<sup>26</sup>List site design measures approved for the project. Examples include: minimize impervious surfaces; conserve natural areas, including existing trees or other vegetation, and soils; construct sidewalks, walkways, and/or patios with permeable surfaces, etc.

<sup>27</sup>List all approved stormwater treatment system(s) to be installed onsite or at a joint stormwater treatment facility (e.g., flow through planter, bioretention facility, infiltration basin, etc.).

<sup>28</sup>List the legal mechanism(s) (e.g., maintenance plan for O&M by public entity, etc.) that have been or will be used to assign responsibility for the maintenance of the post-construction stormwater treatment systems.

<sup>29</sup>See Provision C.3.d.i. "Numeric Sizing Criteria for Stormwater Treatment Systems" for list of hydraulic sizing design criteria. Enter the corresponding provision number of the appropriate criterion (i.e., 1.a., 1.b., 2.a., 2.b., 2.c., or 3).

<sup>30</sup>For Alternative Compliance at an offsite location in accordance with Provision C.3.e.i.(1), on a separate page, give a discussion of the alternative compliance site including the information specified in Provision C.3.b.v.(1)(m)(i) for the offsite project.

<sup>31</sup>For Alternative Compliance by paying in-lieu fees in accordance with Provision C.3.e.i.(2), on a separate page, provide the information specified in Provision C.3.b.v.(1)(m)(ii) for the Regional Project.

<sup>32</sup>Note whether a third party was used to certify the project design complies with Provision C.3.d.

<sup>33</sup>If HM control is not required, state why not.

<sup>34</sup>If HM control is required, state control method used (e.g., method to design and size device(s) or method(s) used to meet the HM Standard, and description of device(s) or method(s) used, such as detention basin(s), bioretention unit(s), regional detention basin, or in-stream control).

**C.3.h.v.(2). ► Table of Newly Installed<sup>35</sup> Stormwater Treatment Systems and Hydromodification Management (HM) Controls (Optional)**

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

Name of Facility	Address of Facility	Party Responsible <sup>36</sup> For Maintenance	Type of Treatment/HM Control(s)
Parking lot/Road Improvements at La Honda Creek Open Space Preserve	900 Sears Ranch Road	Property Owner	Bioretention
Abolmoluki Minor Subdivision	175 & 205 Glen Aulin Lane, Burlingame	Property Owners	Flow-through planter
Kwitowski Minor Subdivision	888 Berkeley Ave.	Property Owner	Pervious Pavers
Middlefield Road Parking Lot	3060 Middlefield Road	County Public Works	Bioretention area

<sup>35</sup> "Newly Installed" includes those facilities for which the final installation inspection was performed during this reporting year.

<sup>36</sup>State the responsible operator for installed stormwater treatment systems and HM controls.

C.3.e.v.Special Projects Reporting Table												
Reporting Period – July 1 2018 - June 30, 2019												
Guidance: Provide all information indicated in the table. Do not leave blank cells in the table. If any of the indicated information is not available, please explain (for example, "Information is not yet available due to the preliminary phase of design.")												
Project Name & No.	Permittee	Address	Application Submittal Date <sup>37</sup>	Status <sup>38</sup>	Description <sup>39</sup>	Site Total Acreage	Gross Density DU/Acre	Density FAR	Special Project Category <sup>40</sup>	LID Treatment Reduction Credit Available <sup>41</sup>	List of LID Stormwater Treatment Systems <sup>42</sup>	List of Non-LID Stormwater Treatment Systems <sup>43</sup>
N/A												

<sup>37</sup>Date that a planning application for the Special Project was submitted.

<sup>38</sup> Indicate whether final discretionary approval is still pending or has been granted, and provide the date or version of the project plans upon which reporting is based.

<sup>39</sup>Type of project (commercial, mixed-use, residential), number of floors, number of units, type of parking, and other relevant information.

<sup>40</sup> For each applicable Special Project Category, list the specific criteria applied to determine applicability. For each non-applicable Special Project Category, indicate n/a.

<sup>41</sup>For each applicable Special Project Category, state the maximum total LID Treatment Reduction Credit available. For Category C Special Projects also list the individual Location, Density, and Minimized Surface Parking Credits available.

<sup>42</sup>: List all LID stormwater treatment systems proposed. For each type, indicate the percentage of the total amount of runoff identified in Provision C.3.d. for the Special Project's drainage area.

<sup>43</sup>List all non-LID stormwater treatment systems proposed. For each type of non-LID treatment system, indicate: (1) the percentage of the total amount of runoff identified in Provision C.3.d. for the Special Project's drainage area, and (2) whether the treatment system either meets minimum design criteria published by a government agency or received certification issued by a government agency, and reference the applicable criteria or certification.

Special Projects Narrative

<b>C.3.j.ii.(2) ► Table A - Public Projects Reviewed for Green Infrastructure</b>				
<b>Project Name and Location<sup>44</sup></b>	<b>Project Description</b>	<b>Status<sup>45</sup></b>	<b>GI Included?<sup>46</sup></b>	<b>Description of GI Measures Considered and/or Proposed or Why GI is Impracticable to Implement<sup>47</sup></b>
<b>EXAMPLE: Storm drain retrofit, Stockton and Taylor</b>	Installation of new storm drain to accommodate the 10-yr storm event	Beginning planning and design phase	TBD	Bioretention cells (i.e., linear bulb-outs) will be considered when street modification designs are incorporated
Radio Shop Project	Remove existing structures and construct new radio shop	Planning and design phase	TBD	Considering bioretention areas to treat runoff.
Mirado Rd. Erosion Protection	Repair existing erosion	Planned	No	Erosion is from ocean-side, rather than stormwater runoff. There is no space for GI
Scenic Drive Repair	Remove landslide damaged homes and improve drainage systems	Planned	No	Project is actively trying to prevent infiltration on vulnerable slopes to prevent future landslides.
Croner Avenue	Reconstruction Project	Completed	No	Limited right of way
Crystal Springs Dam Construction	Reconstruction of dam and road	Completed	No	Site constraints
Higgins Canyon Slipout	Road repairs	Design	No	Limited right of way
2 <sup>nd</sup> Street and A street	Road reconstruction	Design	No	Limited right of way
Entrada Way	Construction	On hold	No	Site constraints
Reimagine Flood Park	Redesign of public park	Planning	TBD	Too early
Memorial Park Improvements	Trail and road improvements throughout park	Planning	TBD	Too early
Ranger housing	Construction of modular buildings to house rangers	Planning	TBD	Too early
Tunitas Creek Parking Lot	Construct new parking lot and access facilities for newly acquired park	Planning	TBD	Too early, possibly C.3 regulated
BPMP (Sch. B) (Madera Bridge)	Construction	In Construction	No	Site constraints

<sup>44</sup> List each public project that is going through your agency's process for identifying projects with green infrastructure potential.

<sup>45</sup> Indicate status of project, such as: beginning design, under design (or X% design), projected completion date, completed final design date, etc.

<sup>46</sup> 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.

<sup>47</sup> 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.

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

Project Name and Location <sup>48</sup>	Project Description	Planning or Implementation Status	Green Infrastructure Measures Included
NFO Green infrastructure Project/Safe Routes to School/OOS (Oakside and Fair Oaks)	Safe Routes to School project with ADA improvements and a bioretention area to treat runoff from the road	In Construction	Bioretention area on the corner of Oakside and Fair Oaks which drains runoff from the road by routing water under the sidewalk into the treatment area.
Middlefield Road Improvement Project	Turning 4-lane road into 1 lane each way with center turn lane. Adding pedestrian and bike improvements	Design completed	The project includes over 20 bioretention cells along the road improvements
7th Ave Reconstruction	Reconstruction of roads to bring up to standard	Completed September 2018	Installed Stormtech subsurface detention/infiltration chambers.

<sup>48</sup> 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**

**Program Highlights and Evaluation**

Highlight/summarize activities for reporting year:

Summary:

The County’s C.4 Business Inspection Plan (BIP) and Enforcement Response Plan (ERP) have been updated to reflect the County’s current stormwater inspection program. These plans are reviewed and updated annually to revise facility lists, changes in inspection frequencies and priorities, inspection cycle for the upcoming fiscal year, and training.

County staff participated in the SMCWPPP Commercial and Industrial Illicit Discharge Committee and attended meetings. Refer to the C.4 Industrial and Commercial Site Controls section of the SMCWPPP FY 18-19 Annual Report for a description of countywide activities.

**C.4.b.iii ► Potential Facilities List (i.e., List of All Facilities Requiring Stormwater Inspections)**

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.

See Attachment C.4.b.iii, Potential Facilities List.

**C.4.d.iii.(2)(a) & (c) ► Facility Inspections**

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

	Number
Total number of inspections conducted (C.4.d.iii.(2)(a))	237
Discreet 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))	35

Comments:

Flea Street Café, 3607 Alameda de las Pulgas, Menlo Park: Compliance was achieved in 26 business days and was considered a reasonable amount of time.

El Gran Amigo, 2448 Highway 1, El Granada: Compliance was achieved in 19 business days and was considered a reasonable amount of time.

Three Zero Café, 9850 Highway 1, Moss Beach: Compliance was achieved in 22 business days and was considered a reasonable amount of time.

H & H Automotive, 2835 Middlefield, Redwood City: Compliance was achieved in 22 business days and was considered a reasonable amount of time.

Lemos Farm, 12320 Highway 92, Half Moon Bay: Compliance was achieved in 34 days. Based on limited inspector availability, some of the delay may reflect days to confirm and not days to compliance.

San Francisco International Service Center, 660 West Field Road, SFIA: Compliance was achieved in 19 business days and was considered a reasonable amount of time.

Post & Trellis, 2645 Fair Oaks, Redwood City: Compliance was achieved in 18 business days and was considered a reasonable amount of time.

Monster Chef, 10151 Cabrillo Highway, El Granada: Compliance was achieved in 12 business days and was considered a reasonable amount of time.

Swissport Fueling, 950 North Field Road, SFIA: Compliance was achieved in 13 business days and was considered a reasonable amount of time.



**C.4.d.iii.(2)(b) ► Frequency and Type of Enforcement Conducted**

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

	Enforcement Action (as listed in ERP)	Number of Enforcement Actions Taken
Level 1	Verbal Warning	29
Level 2	Warning Notice	7
Level 3	Notice of Violation	0
Level 4	Administrative Order	0
<b>Total</b>		36

**C.4.d.iii.(2)(d) ► Frequency of Potential and Actual Non-stormwater Discharges by Business Category**

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

Business Category	Number of Actual Discharges	Number of Potential Discharges
ASBS (Industrial)	0	0
ASBS (Commercial)	0	2
Notice of Intent (NOI)	0	4
Vehicle Salvage Yards	0	0
Metal Recycling Yards	0	0
Vehicle Mechanical Repair / Refueling	0	12
Construction Yards and Corporate Yards	0	0
Nurseries & Greenhouses	0	3
Building Material Retailers / Storage	0	0
Plastic Manufacturers	0	0
Food Facilities	0	12
Dry Cleaners	0	0
Facilities in a Common Area (Strip Malls / Light Industrial)	0	0
Other Facilities	0	3

**C.4.d.iii.(2)(e) ► Non-Filers**

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

The following is a list of facilities in our inventory that may not have filed a Notice of Intent.

Name	Address		City	SIC Code
DEANS ANODIZING INC	2643	FAIR OAKS	REDWOOD CITY	3471
HALF MOON BAY DISTILLERY	103	HARVARD	HALF MOON BAY	2084

LA NEBBIA WINERY	12341	HWY 92	HALF MOON BAY	2084	
TROJAK KNIER WINERY	151-A	HARVARD	HALF MOON BAY	2084	
ROMEO PACKING CO	106	PRINCETON	PRINCETON	4225	

**C.4.e.iii ► Staff Training Summary**

Training Name	Training Dates	Topics Covered	No. of Industrial/ Commercial Site Inspectors in Attendance	Percent of Industrial/ Commercial Site Inspectors in Attendance	No. of IDDE Inspectors in Attendance	Percent of IDDE Inspectors in Attendance
		No formal training, aside from one-on-one training was conducted this year.				
Comments:						

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:  
 County staff continued to attend and participate in the Commercial, Industrial, and Illicit Discharge (CI) Subcommittee meetings where Illicit Discharge Detection and Elimination objectives were discussed regularly. County staff from multiple departments including the Office of Sustainability (OOS), County Environmental Health (CEH), the Department of Public Works (DPW), and the Planning & Building Department (P&B) continued to respond to complaints from the public as well as prevented future discharges by educating the public about the proper disposal methods for their solid and liquid waste. Although not required in MRP 2.0, DPW continued implementation of the collection screening program. DPW inspected the collection system prior to the start of the rainy season and also continued to conduct routine patrols and inspections during the rainy season. Refer to the C.5 Illicit Discharge Detection and Elimination section of SMCWPPP’s FY 2018/19 Annual Report for description of activities at the Program or regional level.

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

Summary of any changes made during FY 18-19.  
 No Change.

**C.5.d.iii.(1), (2), (3) ► Spill and Discharge Complaint Tracking**

Spill and Discharge Complaint Tracking (fill out the following table or include an attachment of the following information)

	Number
Discharges reported (C.5.d.iii.(1))	27
Discharges reaching storm drains and/or receiving waters (C.5.d.iii.(2))	5
Discharges resolved in a timely manner (C.5.d.iii.(3))	27

Comments:  
 On 7/6/18, an illicit discharge complaint was received by CEH for Main Street Service at 860 Airport Street, Moss Beach, for alleged discharges of “dirty water” to the gutter. CEH staff discussed this issue with the operator and he committed to discharging to the sewer system instead of the gutter. The inspection frequency was escalated to annual for the next inspection.

On 8/9/18, an illicit discharge complaint was received by CEH for Smiths Trucks and Equipment at 222 Harvard, Princeton, for washing cars to the storm drain system. CEH staff addressed the issue with the operator, provided education about storm water discharges, and left the facility.

On 9/13/18, an illicit discharge complaint was received by CEH for Double Taper, Inc., a non-inventoried business at 860 Airport Street, Moss Beach, for alleged discharges into the gutter. CEH staff provided education about storm water discharges to this facility since they are not an inventoried business and were not aware of storm water protection.

On 9/27/18, an illicit discharge complaint was received by CEH for La Costa Restaurant, 276 EL Camino Real, Redwood City, for allegedly washing floor mats and food trucks to the storm drain. CEH staff visited the restaurant and observed a potential discharge. CEH staff provided outreach and directed the facility to wash mats into landscaping and to improve Best Management Practices by purchasing berms to prevent wash water from entering the storm drain.

On 12/12/18, an illicit discharge report was received for 160 Tiptoe Lane, Burlingame. Trash was dumped in Easton Creek near a construction site. County staff investigated the site and found minor trash in the creek. An NOV was issued to the construction site. The site was inspected a few days later, and all corrections were made.

All other illicit discharges did not enter receiving waters and were resolved in a timely manner.

**C.5.e.iii.(2) ► Control of Mobile Sources**

(a) Provide changes to your agency’s minimum standards and BMPs for each of the various types of mobile businesses since the 2017 Annual Report (C.5.e.iii.(2)(a))

The County follows the minimum standards and BMPs described in the “Best Management Practices for Mobile Businesses” fact sheet recently updated by the SMCWPPP CII Subcommittee in April 2019 for the following mobile business categories: automobile washers/detailers, power washers, carpet cleaners, steam cleaners, and pet care services. The format of the fact sheet was updated, but there have been no changes to the BMPs since the 2017 Annual Report.

(b) Provide changes to your agency’s enforcement strategy for mobile businesses (C.5.e.iii.(2)(b))

Our enforcement strategy is to open a complaint for mobile businesses observed to have stormwater discharge violations and provide a report to the discharger identifying the violation. County of San Mateo then registers the violation in the mobile business section within the secure area of the Flowstobay.org website or with the SMCWPPP CII Subcommittee facilitator. County of San Mateo will escalate the enforcement if there is a history of enforcement actions already identified in the secure mobile business section of Flowstobay.org. The enforcement actions that stormwater inspectors may take are detailed in our Illicit Discharge Detection and Elimination Enforcement Response Plan (ERP).

Since FY 2013/14, SMCWPPP’s enforcement strategy has been to track mobile business enforcement actions from SMCWPPP permittees in a table available on the SMCWPPP CII members-only webpage. The tracking table is periodically updated.

(c) Provide minimum standards and BMPs developed for additional types of mobile businesses addressed since 2017 Annual Report (C.5.e.iii.(2)(c))
SMCWPPP has not developed minimum standards and BMPs for additional types of mobile businesses other than those described in (a) above.
(d) Provide a list and summary of the specific outreach events and education conducted to each type of mobile business operating within your jurisdiction during the Permit term (C.5.e.iii.(2)(d)):
Refer to the C.5 Illicit Discharge Detection and Elimination section of SMCWPPP’s FY 2018/19 Annual Report for a description of activities at the countywide or regional level.
(e) Discuss inspections conducted at mobile businesses and/or job sites (C.5.e.iii.(2)(e))
Mobile businesses such as food trucks are inspected at the same time that they are inspected for their Mobile Food Preparation Unit (MFPU) permit. Additionally, mobile food trucks and other mobile businesses may be inspected based on illicit discharge complaints. For example, on 9/27/18, an illicit discharge complaint was received by CEH for La Costa Restaurant, 276 EL Camino Real, Redwood City, for allegedly washing floor mats and food trucks to the storm drain. CEH staff visited the restaurant, provided outreach, and directed the business on better Best Management Practices.  Routine inspections of mobile businesses are difficult, based on their transient nature.
(f) List below or attach the list of mobile businesses operating within your agency’s jurisdiction (C.5.e.iii.(2)(f))
In FY 2016/17 SMCWPPP compiled an inventory of mobile businesses located in San Mateo County. The inventory was developed by reviewing lists provided by individual agencies, yellow page searches, and online business searches. The inventory includes automotive washing, steam cleaning, power washing, pet care services, and carpet cleaning mobile businesses. The inventory is periodically updated with mobile businesses that stormwater inspectors observe during routine field activities, including responding to illicit discharges. The inventory is made available to all San Mateo County Permittees on the SMCWPPP CII members-only webpage. The inventory is included in SMCWPPP’s FY 2018/19 Annual Report and currently has approximately 175 mobile businesses.
(g) Discuss enforcement actions taken against mobile businesses during the Permit term (C.5.e.iii.(2)(g))
Enforcement actions are typically taken in response to a complaint or illicit discharge through our IDDE Program. Enforcement actions are tracked in the municipality’s spill and discharge complaint tracking system required by MRP C.5.d.ii. This FY, CEH wrote one violation for a mobile business, but didn’t issue an enforcement violation for lack of a formal/structured mobile business inspection program. The inspector treated it as education/outreach.

**C.5.f.iii ► MS4 Map Availability**

Discuss how you make your MS4 map available to the public and how you publicize the availability of the MS4 map.
Hard copies of MS4 maps are available for the public to view at the DPW Counter.

Section 6 – Provision C.6 Construction Site Controls

<b>C.6.e.iii.(3)(a), (b), (c), (d) ▶ Site/Inspection Totals</b>			
<b>Number of active Hillside Sites (sites disturbing &lt; 1 acre of soil requiring storm water runoff quality inspection) (C.6.e.iii.3.a)</b>	<b>Number of High Priority Sites (sites disturbing &lt; 1 acre of soil requiring storm water runoff quality inspection) (C.6.e.iii.3.c)</b>	<b>Number of sites disturbing ≥ 1 acre of soil (C.6.e.iii.3.b)</b>	<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)</b>
22	61	3	627
Comments: None.			
<p><b>Provide the number of inspections that are conducted at sites not within the above categories as part of your agency's inspection program and a general description of those sites, if available or applicable.</b></p> <p>The County conducted an additional 53 inspections at 27 sites that were not within the above categories as part of the County's building inspection program. Most of the inspections were conducted by the Erosion Control Inspector in response to complaints from members of the public or sites where the Erosion Control Inspector drove past the site and noticed some problems related to erosion control. These sites were generally flat construction sites that did not involve significant grading.</p>			

**C.6.e.iii.(3)(e) ► Construction Related Storm Water Enforcement Actions**

	Enforcement Action (as listed in ERP) <sup>49</sup>	Number Enforcement Actions Issued
Level 1 <sup>50</sup>	Verbal Warning	0
Level 2	Written Notice	56
Level 3	Written Notice and Stop Work	1
Level 4	Legal Action	1
<b>Total</b>		<b>58</b>

**C.6.e.iii.(3)(f), ► Illicit Discharges**

	Number
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**

Indicate your reporting methodology below.

<input checked="" type="checkbox"/>	Permittee reports multiple discrete potential and actual discharges at a site 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)	56
Comments: Per the revised ERP, verbal warnings were not considered violations. Whenever there was a violation, the County always issued a written Notice to Comply. Of the 58 enforcement actions, the County issued Notices to Comply for 56 enforcement actions. The 2 remaining enforcements actions	

<sup>49</sup>Agencies should list the specific enforcement actions as defined in their ERPs.

<sup>50</sup>For example, Enforcement Level 1 may be Verbal Warning.



were 1 Stop Work Notice and 1 Legal Action, which along with 1 Notice to Comply, resulted from 1 inspection at 185 Glen Aulin (November 7, 2018).

Of the 56 enforcement actions for which the County issued a Notice to Comply, 43 of the enforcement actions were corrected within 10 business days. An additional 13 were corrected after 10 business days AND within 30 business days, as explained below.

With the exception of violations at 11 construction sites, all other violations were corrected within 10 business days. Of the 11 sites, violations at 10 sites were deemed resolved in a longer but still timely manner. For these 10 sites, the Erosion Control Inspector (who is new to the County and to the position) did not schedule a follow-up inspection within 10 business days or before the next rain event and the follow-up inspection occurred at the next scheduled monthly inspection. The follow-up inspections were conducted within 30 business days from the date the violation was observed and, in every case, compliance was observed at the time of the next monthly inspection. For 9 out of 10 of these sites, this occurred within the first 2 months of the wet season and the Erosion Control inspector has been trained regarding scheduling follow-up inspections per the County's Enforcement Response Plan and the MRP.

Violations observed at 185 Glen Aulin Lane were resolved but not in a timely manner. The County's follow-up inspections were conducted within 10 business days of the observation of each violation with a total of 17 inspections conducted at the site from October 2018 to April 2019. A Stop Work Notice was issued in November 2018. Also, the violations were referred to the Code Enforcement Section in November 2018. In April 2019, the site was found to be compliant. As construction at the site will span into the next wet season, the County will continue to use Stop Work Notices and referrals to Code Compliance as enforcement tools to achieve compliance at this site.

#### C.6.e.iii.(4) ► Evaluation of Inspection Data

Describe your evaluation of the tracking data and data summaries and provide information on the evaluation results (e.g., data trends, typical BMP performance issues, comparisons to previous years, etc.).

Description:

Compared to FY17-18, the County conducted a comparable number of total storm water runoff quality inspections (594 inspections in FY 17-18 and 627 inspections in FY 18-19). The County issued many more enforcement actions compared to the previous 2 years (44 in FY 16-17 and 12 in FY 17-18), issuing 66 enforcement actions this year. Over the past 2 years, the County's former Erosion Control Inspector had utilized verbal notices to work with contractors to maintain compliance and fix potential problems before they became a violation. This year, the County has a new Erosion Control Inspector (Wade Reynoso) who largely utilizes written notices, follow-up inspections, and coordination with Code Compliance staff to achieve compliance, resulting in a higher number of written notices and enforcement actions. The current Erosion Control Inspector is very knowledgeable about erosion control having worked in the past as a contractor on construction sites that were subject to erosion control requirements and continues to receive regular training from Planning staff.

DPW had considerably fewer inspections in FY 18-19 (7 inspections) as compared to FY 17-18 (38 inspections). This was in large part because two large projects were completed in late fall/early winter, and construction at many of the other sites was completed prior to the start of the rainy season. No problems were observed during the 7 DPW inspections.

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

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

Description:

In training the current Erosion Control Inspector, Planning staff reviews inspection data throughout the wet season and works with the Erosion Control Inspector to maintain timely follow-up of violations and to maintain clear records that will ease reporting at the end of the wet season. Prior to the start of the wet season on October 1, 2019 and throughout the wet season, Planning staff will continue to provide training to the Erosion Control Inspector in these areas.

Additionally, over FY 19-20, Planning staff is in the process of updating its Enforcement Response Plan (ERP) to further comply with the MRP, including updating the examples for each type of violation to reduce the types of violations that are treated as a Threatened Violation (verbal warning) and updating its definition of “high priority site”, which included projects required to comply with the Green Building Program (such as new buildings and major remodel projects) which meet additional proximity to water body (creek, wetland or coastline) and slope criteria. The revised definition no longer includes “Hillside Sites” (as they are treated separately) and no longer relies on the Green Building Program which is no longer applicable in the County’s jurisdiction with the establishment of CalGreen requirements. The definition of “high priority site” in the revised ERP will rely on a land disturbance threshold of 1,000 sq. ft. instead of whether a project is a new building or major remodel project as well as proximity of the site to a water body, amongst other criteria which will remain the same. The definition of High Priority Site will continue to include sites that require a Grading or Land Clearing Permit, sites within the watershed of the Area of Special Biological Significance (ASBS), and work within a waterway.

**C.6.f.iii ► Staff Training Summary**

Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance
SMCWPPP’s Construction Site Stormwater Inspections Training for Municipal Inspectors	March 11, 2019	Water Board and C6 Requirements; Overview of Erosion Control Measures and their use and application	7 Planners; 9 DPW staff and Inspectors; 2 Code Compliance Officers (Erosion Control Inspector could not make it but was briefed of and provided materials of the training afterwards).

C.6 Construction Inspections, Enforcement Response, Tracking & Reporting – County of San Mateo DPW	Oct 15, 2018	C.6 Requirements, DPW Construction Inspection Process, ERP, Inspection Reports, Tracking, Annual Report	18 DPW staff and 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:

As part of the San Vicente Creek Water Quality Improvement Plan, the County partnered with the San Mateo Resource Conservation District to conduct a pet waste outreach campaign on the Midcoast. In FY 18-19, the campaign included the following activities: advertising of an in-person and online pet waste pledge, tabling at events, community cleanups, school presentations, and email alerts before rain events.

See Section 7 and Section 9 of the SMCWPPP FY 2018/19 Annual Report for a description of outreach campaign activities conducted at the countywide level.

**C.7.c. Stormwater Pollution Prevention Education**

No change.

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

Describe general approach to event selection. Provide a list of outreach materials and giveaways distributed.

Use the following table for reporting and evaluating public outreach events

While tabling at the following events, OOS staff provided stormwater pollution prevention outreach materials including dog waste bags, flyers, and brochures in Spanish, English, and Chinese:

- Ecumenical Hunger Program
- Half Moon Bay Library opening
- City of San Mateo Electric Vehicle Ride and Drive
- Coastal Clean Up Day
- County Electric Vehicle Ride and Drive
- Sustainable San Mateo County Indicators Launch
- Supervisor Canepa's Health Fair
- Climate Reali-Tea
- Migrating through Change conference
- District 5 Together Community Fair
- Belmont Earth Day
- Marine Science Institute Earth Day on the Bay
- Coastal Wildflower and Earth Day Festival
- City of San Mateo North Central Neighborhood Clean Up
- College of San Mateo Earth Day
- Genomic Health Earth Day
- Seaport Center Earth Day
- San Mateo Adult School Earth Day
- Half Moon Bay Earth Day
- College of San Mateo Farmers' Market Earth Day
- Health Plan of San Mateo Earth Week
- Pacifica Earth Day
- STEAM Fest on the Square
- SSFSC Compost Workshop and Earth Day
- Rethink Recycling Day
- Kermes Dia de Los Ninos
- Daly City Earth Day
- Climate Change Symposium
- North Fair Oaks Mural Celebration
- Hillsborough Earth Day
- Pacific Coast Dream Machines

Outreach flyers and brochures provided at events and in OOS's office space for the public include information on household hazardous waste disposal, used oil recycling, rain barrel rebates, and other pollution prevention topics.

OOS staff also participated and provided input at the Countywide Stormwater Public Information and Participation Subcommittee meetings. See Section 7 of the SMCWPPP FY 2018/19 Annual Report for a description of public outreach and citizen involvement events activities conducted at the countywide level.

Event Details	Description (messages, audience)	Evaluation of Effectiveness
<p>Provide event name, date, and location. Indicate if event is local, countywide or regional. Indicate if event is public outreach or citizen involvement.</p>	<p>Identify type of event (e.g., school fair, creek clean-up, storm drain stenciling, farmers market etc.), type of audience (school children, gardeners, homeowners etc.) and outreach messages (e.g., EnviroScape presentation, pesticides, stormwater awareness)</p>	<p>Provide general staff feedback on the event (e.g., success at reaching a broad spectrum of the community, well attended, good opportunity to talk to gardeners etc.). Provide other details such as:</p> <ul style="list-style-type: none"> <li>• Success at reaching a broad spectrum of the community</li> <li>• Number of participants compared to previous years.</li> <li>• Post-event effectiveness assessment/evaluation results</li> <li>• Quantity/volume of materials cleaned up, and comparisons to previous efforts</li> </ul>
<p>Colma Creek Coastal Cleanup Day Event, 9/15/2018, Colma Creek in South San Francisco</p>	<p>Creek cleanup event coordinated by City of South San Francisco, County/SMCFCD, SMCWPPP, California Coastal Commission, and Ocean Conservancy. This event targeted the general public with focused messaging on litter reduction.</p>	<p>99 volunteers removed approximately 5.3 cubic yards of trash and material that was illegally dumped along the banks of lower Colma Creek. Volunteers included students from Highlands Christian School, Mills High School, Alta Loma Junior High, South San Francisco High School, and El Camino High School.</p>
<p>Colma Creek Volunteer Day, 12/12/2018, Colma Creek in South San Francisco</p>	<p>Creek cleanup event with outreach and educational messaging related to stormwater pollution prevention and litter reduction. This event was coordinated for staff at a local healthcare company.</p>	<p>7 volunteers from StayWell removed approximately 1.7 cubic yards of trash and material that was illegally dumped along the banks of lower Colma Creek.</p>
<p>Colma Creek Volunteer Day, 3/30/2019, Colma Creek in South San Francisco</p>	<p>Native planting/marsh restoration event with outreach and educational messaging related to stormwater pollution prevention, litter reduction and native plant restoration. This event targeted the local schools.</p>	<p>33 volunteers (including students and parents from Buri Buri Elementary, Alta Loma Middle School, and Highlands Christian School), as well as SMCFCFCD staff and the County's restoration consultant planted approximately 100 native plants, applied mulch, and removed approximately 1.3 cubic yards of trash and material that was illegally dumped along the banks of lower Colma Creek.</p>

<p>Colma Creek Earth Day Cleanup Event, 4/20/2019, Colma Creek in South San Francisco</p>	<p>Creek cleanup event coordinated by City of South San Francisco and County/SMCFCD staff. This event targeted the general public with focused messaging on litter reduction.</p>	<p>15 volunteers removed approximately 3.2 cubic yards of trash and material that was illegally dumped along the banks of lower Colma Creek. Volunteers included students from Highlands Christian School, Alta Loma Junior High, South San Francisco High School, as well as staff from local healthcare and biotech companies.</p>
<p>National River Cleanup Day, 5/18/2019, Colma Creek in South San Francisco</p>	<p>Creek cleanup event coordinated by City of South San Francisco and County/SMCFCD staff. This event targeted the general public with focused messaging on litter reduction.</p>	<p>10 volunteers removed approximately 4 cubic yards of trash and material that was illegally dumped along the banks of lower Colma Creek. Volunteers included students from Highlands Christian School and Alta Loma Junior High.</p>

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

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

Evaluate effectiveness by describing the following:

- Efforts undertaken
- Major accomplishments

Summary:

The County continued to contribute to numerous watershed stewardship programs in unincorporated San Mateo County. Staff continued participation in multiple watershed stewardship programs and collaboratives overseen by the RCD including the Integrated Watershed Restoration Program (IWRP), Rural Roads Program, Pillar Point Harbor Water Quality, First Flush & Snapshot Days, Pescadero Advisory Group, and the Butano Creek Reconnection Project. Staff serve on the TAC committees for many of these RCD-led groups and actively participate in watershed stewardship efforts by attending meetings and reviewing key documents. DPW staff also 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 work collaboratively on regional flood protection, stormwater management, and watershed issues, identify regional projects, and conduct outreach to smaller cities and watershed groups for sub-regional projects.

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. Additional information on the Program is available at: <https://publicworks.smcgov.org/flood-resilience>

The County of San Mateo is launching the Flood and Sea Level Rise Resiliency District through modified legislation of the existing Flood Control District (FSLRRD). Assembly bill 825 will repurpose the existing District to empower the 20 cities and the county of San Mateo to tackle sea level rise, flooding, coastal erosion, and regional stormwater vulnerabilities with a coordinated, united approach for a resilient San Mateo. Currently there is not a platform for multiple agencies to design and implement regional stormwater projects. The new FSLRRD will be launched on January 1, 2020.

OOS and Parks worked in partnership to replace faucets in Memorial Park with automatic shutoff faucets. Memorial Park is a County park located in the Pescadero Creek watershed, which is an impaired watershed. Water supply in Memorial Park is drawn from Pescadero Creek,



so by upgrading to automatic shutoff faucets, water usage in the park will be reduced, and flow can be partially restored in Pescadero Creek.

County staff continue to implement plans to prevent or reduce discharges of bacteria in the San Vicente Creek watershed related to the San Vicente Creek Water Quality Improvement Plan. The County continues to implement its Stormwater Runoff Best Management Practices Implementation Plan and its Pet Waste Plan, which is a joint effort with Golden Gate National Recreation Area. Both plans detail BMPs that the County will implement to prevent or reduce bacteria discharges to San Vicente Creek.

See Section 7 of the SMCWPPP FY 2018/19 Annual Report for a description of watershed stewardship collaborative efforts conducted at the countywide level.

**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.

See Section 7 of the SMCWPPP FY 18-19 Annual Report for a description of school-age children outreach efforts conducted at the countywide level.

Program Details	Focus & Short Description	Number of Students/Teachers reached	Evaluation of Effectiveness
Provide the following information: Name Grade or level (elementary/ middle/ high)	Brief description, messages, methods of outreach used	Provide number or participants	Provide agency staff feedback. Report any other evaluation methods used (quiz, teacher feedback etc.). Attach evaluation summary if applicable.
North Star Academy Middle School Lessons, 5/14/19 in partnership with the San Mateo Resource Conservation District	Presented to 90 fifth graders about the water cycle, watersheds, stormwater, water quality, and pollutants such as pet waste. Interactive activities included the Enviroscape watershed model, a rainfall simulation demonstration, and a soil texturing exercise. SMCWPPP stormwater tip	90 students	Received feedback from teacher that students thoroughly enjoyed the presentation and activities.

	cards were also distributed to each student.		
Colma Creek Volunteer Day, 3/30/2019, Colma Creek in South San Francisco	Native planting/marsh restoration event with outreach and educational messaging related to stormwater pollution prevention, litter reduction and native plant restoration.	33 volunteers including a teacher, students, and parents.	33 volunteers (including students and parents from Buri Buri Elementary, Alta Loma Middle School, and Highlands Christian School), as well as SMCFCFCD staff and the County's restoration consultant planted approximately 100 native plants, applied mulch, and removed approximately 1.3 cubic yards of trash. The County biologist began the event with a brief presentation about litter reduction, stormwater pollution prevention, watersheds, and wetland ecology. Educational stormwater materials were distributed. The teacher provided positive feedback and plans to continue with future events in FY19-20.
County Parks Stewardship Corps Events (9 events Dec – March)	Native planting events along riparian, coastal, and roadside sites, education to volunteers regarding the benefit of native species to riparian habitat, coastal bluff habitat and bluff stability, and other ecosystem benefits.	71 volunteers	Received feedback from Boy Scout troop leaders participating in the event that the troops plan to return to future events, and had positive experiences.

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 <u>suggest reasons for increases in use of pesticides</u> 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 Used <sup>51</sup>							
Pesticide Category and Specific Pesticide Active Ingredient Used	Amount <sup>52</sup>						
	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21	
Organophosphates	0	0	0	0			
Active Ingredient Chlorpyrifos	0	0	0	0			
Active Ingredient Diazinon	0	0	0	0			
Active Ingredient Malathion	0	0	0	0			
Pyrethroids (see footnote #52 for list of active ingredients)	0.16 oz	0.51 oz	0.21 oz	0			
Pyrethrins (Microcare 3%)	0.12 oz	0	0	0			
Deltamethrin (Suspend SC)	0.01 oz	0.51 oz	0.21 oz	0			
Esfenvalerate (Onslaught)	0.03 oz	0	0	0			
Carbamates	0	0	0	0			
Active Ingredient Carbaryl	0	0	0	0			
Active Ingredient Aldicarb	0	0	0	0			

<sup>51</sup>Includes all municipal structural and landscape pesticide usage by employees and contractors.

<sup>52</sup>Weight 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.

Fipronil	0	0	0	1.02 oz		
Pesticide Category and Specific Pesticide Active Ingredient Used	Amount					
	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21
Indoxacarb	Reporting not required in FY 15-16	3.42 oz	.43 oz	.027 oz		
Diuron	Reporting not required in FY 15-16	0	0	0		
Diamides	Reporting not required in FY 15-16	0	0	0		
Active Ingredient Chlorantraniliprole		0	0	0		
Active Ingredient Cyantraniliprole		0	0	0		

**Reasons for increases in use of pesticides that threaten water quality:**

Overall pesticide usage by DPW’s Facilities, Maintenance and Operations (FMO) Section decreased. However, FMO’s pest control vendor is now using a product called Termidor that has Fipronil in it, which was not used in past years. Pyrethroids were not used during the reporting period, and Indoxacarb usage has decreased significantly.

**IPM Tactics and Strategies Used:**

During FY 18 -19, the County continued to implement its IPM policy. The DPW and Parks departments require that all vegetation management decisions be consistent with the County IPM policy document. Consistent with this policy, the DPW Roads Division used mowing exclusively in FY 18-19 to manage roadside vegetation. Goats were used for vegetation management at closed landfill facilities, one in Pescadero and one in Half Moon Bay. The standard IPM practice for FMO is to work closely with the pest control contractor and opt for less chemical use whenever possible; examples include preventive actions such as sealing holes and gaps in structures, the use of baits and traps instead of broadcast pesticide use, and the use of non-chemical weed control strategies such as mulching. FMO’s landscapers have been asked to address overgrowth by keeping bushes trimmed and weeds pulled in order to avoid chemicals. FMO’s pesticide vendor mainly used bait stations and traps instead of pesticides and also sent reports indicating minor repairs that should be made (sealing holes, caulking, etc.) to help keep insects and rodents out of buildings. This ultimately cuts down pesticide usage. Limited amounts of pesticides were used by the FMO contractor to treat for pests and rodents on the outside of County facilities during FY 18-19 and are reported above. DPW will continue using the SMCWPPP pesticide tracking Excel template.

<b>C.9.b ► Train Municipal Employees</b>	
Enter the number of employees that applied or used pesticides (including herbicides) within the scope of their duties this reporting year.	0
Enter the number of these employees who received training on your IPM policy and IPM standard operating procedures within this reporting year.	0
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: Eight staff received training on IPM and standard operating procedures but did not apply pesticides in the reporting year. Staff attended ongoing trainings including PAPA, CAPCA, and SMCWPPP Seminars, and they also hold valid QALs/QACs.	

<b>C.9.c ▶ Require Contractors to Implement IPM</b>			
Did your municipality contract with any pesticide service provider in the reporting year, for either landscaping or structural pest control?	X	Yes	No
If yes, did your municipality evaluate the contractor’s list of pesticides and amounts of active ingredients used?	X	Yes	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>The County of San Mateo verifies IPM contractor performance by hiring professionals that certify that they are properly trained and use IPM and by requiring that contract specifications adhere to the adopted IPM policy. The County’s IPM Policy and contract specifications require that contractors follow IPM techniques and use pesticides only as a last resort. This is routinely conveyed to the contractors via meetings, phone calls, and/or emails. Contractors are required to obtain County staff’s approval before applying pesticides and submit tracking information and other IPM documentation as requested. If needed, County staff conducts field visits to confirm the use of IPM.</p> <p>During FY 18-19, DPW FMO contracted with Pestmaster Services to treat for pests and rodents in and around County facilities. The County IPM policy was incorporated into the contract (Agreement No. 47300-19-D001), which was executed on July 1, 2018. The FMO contractor provides monthly reports regarding pesticide usage which are reviewed by FMO staff. DPW also contracts with several landscape/restoration consultants for on-going maintenance at County facilities, a County-owned property in Pescadero, and several mitigation and restoration sites throughout the County. The County IPM policy is included in the contracts and/or as a condition for applicable task order authorizations. The majority of work performed by these contractors involves non-chemical methods such as hand weeding, mulching, and native planting. Roundup Custom was used at the Pescadero property to control a widespread jubata grass infestation. Herbicide application was performed by licensed applicators (primarily by backpack sprayer) per a Pest Control Recommendation prepared by a licensed Pest Control Advisor prior to the start of the project. Jubata grass was manually removed in sensitive habitat areas near water.</p> <p>County Parks’ contractors comply with County IPM policy by adhering to PCRs developed by a licensed pest control advisor for the Parks Department, and are instructed to implement various techniques for control based on efficacy in addition to, or in place of, chemical control efforts. Mowing, mulching, and hand-weeding are frequently implemented throughout County Parks for invasive vegetation control. Rodent control has occurred using trapping and dispatch over chemical control. Contractors report use of pesticides through an online mapping application, where extent and quantity of chemical treatment is recorded and reported to the department. One of our contractors was scoped to implement an experimental treatment testing effort to better understand the efficacy for controlling <i>Oxalis pes-caprae</i> in County Parks. This has involved test plots for various treatment including tarping, burying, flaming, scraping, and different chemical formulations. Findings from this experiment will be used throughout our parks to implement the treatment with greatest efficacy for control of this species.</p>			

<b>C.9.d ▶ Interface with County Agricultural Commissioners</b>			
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,	X	Yes	No

If yes, summarize the communication. If no, explain.

See Section 9 of the SMCWPPP FY 2018/19 Annual Report for a summary of the Countywide Program’s coordination with the San Mateo County Agricultural Commissioner.

County Parks Natural Resources and DPW staff are active participants within the San Mateo County weed management area, which provides opportunity for ongoing collaboration with the County Agriculture Weights and Measures Department, along with other regional land managing agencies on invasive species control efforts.

DPW continued to work collaboratively with the County Ag Department to co-fund, identify priority areas, and develop the scope of work and contracts for the above-mentioned jubata grass management work at the County-owned property in Pescadero.

County staff did not observe or receive reports of water quality issues related to pesticides during the reporting period.

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.

	Yes	X	No
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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.

Summary:

See Section 9 of the SMCWPPP FY 2018/19 Annual Report for a description of point-of-purchase public outreach efforts conducted at the countywide level and regionally.

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

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

Summary:

See Section 9 of the SMCWPPP FY 2018/19 Annual Report for a summary of outreach to residents who hire pest control and landscape professionals.

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

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

Summary:

See Section 9 of the SMCWPPP FY 2018/19 Annual Report for a summary of the Countywide Program’s 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 2018/19, the County participated in regulatory processes related to pesticides through contributions to the Countywide Program, BASMAA, and CASQA. For additional information, see the regional report submitted by BASMAA on behalf of all MRP Permittees.

**C.9.g. ► Evaluate Implementation of Pesticide Source Control Actions**

*(For FY 18-19 Annual Report only)* Submit an evaluation that assesses; 1) the effectiveness of IPM efforts required in Provisions C.9.a-e and g, 2) a discussion of any improvements made in the past five years; 3) any changes in water quality regarding pesticide toxicity in urban creeks; and 4) a brief description of one or more pesticide-related area(s) the Permittee will focus on enhancing during the subsequent permit term.

Summary:

See the appendices to SMCWPPP’s FY 2018/19 Annual Report for a report that includes the following:

- An evaluation of the effectiveness of source control measures for pesticides and toxicity that have been implemented;
- An evaluation of water quality in relation to pesticides and toxicity in urban creeks;
- Improvements made to the County’s IPM Program during this permit term; and
- Pesticide-related area(s) that the County will focus on enhancing during the next permit term.



Section 10 - Provision C.10 Trash Load Reduction

<b>C.10.a.i ► Trash Load Reduction Summary</b>	
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	
<b>Trash Load Reductions</b>	
Percent Trash Reduction in All Trash Management Areas (TMAs) due to <b>Trash Full Capture Systems</b> (as reported C.10.b.i)	56.3%
Percent Trash Reduction in all TMAs due to <b>Control Measures Other than Trash Full Capture Systems</b> (as reported in C.10.b.ii) <sup>53</sup>	26.3%
Percent Trash Reduction due to <b>Jurisdictional-wide Source Control Actions</b> (as reported in C.10.b.iv)	10.0%
<b>SubTotal for Above Actions</b>	<b>92.6%</b>
<b>Trash Offsets (Optional)</b>	
Offset Associated with Additional Creek and Shoreline Cleanups (as reported in C.10.e.i)	0.0%
Offset Associated with Direct Trash Discharges (as reported in C.10.e.ii)	0.0%
<b>Total (Jurisdictional-wide) % Trash Load Reduction through FY 2018-19</b>	<b>92.6%</b>
<p><b>Discussion of Trash Load Reduction Calculation and Attainment of the 80% Mandatory Deadline:</b>                      The County attained and reported 88.5% trash load reduction (including trash offsets) in its FY 17-18 Annual Report. During FY 18-19, the County continued to implement a robust trash control measure program. This helped the County maintain its trash load reduction above the mandatory 80% trash load reduction requirement included in the MRP. The total (jurisdiction-wide) percent trash load reduction in FY 18-19 is 92.6% (including trash offsets).</p> <p>Please note that in FY 2018-19, the County refined its Baseline Trash Generation Map based on new information on the levels of trash generated on private lands that drain to inlets located on those properties but connect to the County's MS4. Additional information on the methods and process used by the County to develop the information needed to refine the map are included in table C.10d. The refined version of the County's map can be downloaded at <a href="http://www.flowstobay.org/content/municipal-trash-generation-maps">http://www.flowstobay.org/content/municipal-trash-generation-maps</a>.</p>	

<sup>53</sup> See Appendix 10-1 for changes between 2009 and FY 18-19 in trash generation by TMA as a result of Full Capture Systems and Other Measures.

<b>C.10.a.iii ► Mandatory Trash Full Capture Systems</b>		
Provide the following:		
1) Total number and types of full capture systems (publicly and privately-owned) installed prior to FY 18-19, during FY 18-19, 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.		
<b>Type of System</b>	<b># of Systems</b>	<b>Areas Treated (Acres)</b>
<b>Installed in FY 18-19</b>		
Devices installed by bordering Permittees with treatment areas extending into the County of San Mateo	-	0.8
<b>Installed Prior to FY 18-19</b>		
Connector Pipe Screens (Public)	166	543.2
Devices installed by bordering Permittees with treatment areas extending into the County of San Mateo	-	40.5
<b>Total for all Systems Installed To-date</b>	<b>166</b>	<b>584.5*</b>
<b>Treatment Acreage Required by Permit (Population-based Permittees)</b>		<b>21</b>
<b>Total # of Systems Required by Permit (Non-population-based Permittees)</b>		<b>NA</b>

\*Area treated includes jurisdictional and non-jurisdictional lands (e.g., public K-12 schools and colleges, and freeways).

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

Provide the following:

- 1) Jurisdiction-wide trash reduction in FY 18-19 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 18-19 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 18-19	Summary of Maintenance Issues and Corrective Actions
1	49.4%	166	6%	<p>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, the Department of Public Works (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 18-19, the DPW Roads Division maintenance crews performed scheduled inspection and maintenance 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 Roads 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.</p> <p>Since January 1, 2016 (effective date of the MRP 2.0), per the County's trash full capture device O&amp;M Program, DPW staff have been using the SMCWPPP field form template for logging</p>
2	0.4%			
3	1.1%			
4	0.0%			
5	1.0%			
6	0.1%			
7	0.8%			
8	0.0%			
9	0.0%			
<b>Total</b>	<b>56.3%*</b>			

				<p>inspection and maintenance, and the data are tracked electronically. DPW continued working on full 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 and plans to explore integration of trash full capture device inspection into a computerized maintenance management system.</p> <p>For FY 18-19, a total of 274 scheduled inspections were conducted at the 166 full trash capture device locations. Device maintenance was performed during 260 of the 274 inspections. Nine of the inspected devices had plugged screens, and one was &gt;50% full; however, there was no evidence of flooding. The ten devices were located in TMA 1 and were flagged in the inspection and maintenance database. Inspection and maintenance frequency was increased accordingly to ensure that accumulation levels did not exceed 50%.</p>
<p><b>Certification Statement:</b>                  The County of San Mateo certifies that a full capture system maintenance and operation program is currently being implemented to maintain all applicable systems in a manner that meets the full capture system requirements included in the Permit.</p>				

\*The jurisdiction-wide reduction reported for full capture systems includes 3.4% reduction for treatment of 66.3 acres of non-jurisdictional public K-12, college and university school land areas.

<b>C.10.b.ii ► Trash Reduction – Other Trash Management Actions (PART A)</b>	
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
1	<p>The Office of Sustainability organized the annual “Be Seen Keepin’ It Clean” community cleanup event in North Fair Oaks (NFO) on June 1st, 2019. 75 volunteers participated, and 1 ton of solid waste, recycling, and organics were collected from curbs, sidewalks, and easements.</p> <p>County staff continued with targeted outreach for the NFO area including: coordination, staff attendance, and presentations at NFO Community Council illegal dumping subcommittee meetings involving the development of specific recommendations for County actions and community initiatives to address illegal dumping in NFO (i.e. video surveillance, revised ordinance, “Report It! SMC” app, outreach events). The County also promoted the “Report It! SMC” app for easy resident and staff reporting of illegal dumping in NFO and throughout unincorporated areas of San Mateo County.</p> <p>In addition to the full trash capture device described above in C.10.b.i, DPW also installed one partial-capture treatment device (ARS) along Middlefield Road in FY 09-10. Throughout FY 18-19, the DPW Roads Division continued to conduct as needed on-land trash cleanups at multiple locations throughout TMA 1 in the unincorporated North Fair Oaks (NFO) community. The cleanup activities were conducted using the Sheriff’s Workforce Program (SWP) and a DPW Roads Division supervisor. The cleanups typically occurred once per week along an established hot spot route (i.e., 5th Ave, railroad tracks and right-of-way, Fair Oaks School outdoor litter collection containers), as well as at complaint-specific locations. Approximately two to three cubic yards of litter were typically collected per cleanup day. Towards the end of the FY 18-19, the DPW Roads Division began implementing a new cleanup program for this TMA. Two dedicated Roads staff were permanently assigned to NFO for litter cleanup. On a weekly basis, the two-member crew performs litter cleanup throughout the entire NFO area, and on a daily basis, the crew performs cleanup at hot spot areas located along the primarily connector streets (i.e., Middlefield Rd, 5<sup>th</sup> Ave, Bay Rd). DPW is currently evaluating whether the existing SWP cleanup program is still needed within this TMA.</p> <p>The County continues to maintain the Athlone Terrace Pump Station, located in the NFO area. The station pumps stormwater from roughly half of the NFO basin to a box culvert on Marsh Road (Atherton Channel) in Redwood City. The Atherton Channel then flows to the Bayfront Canal before entering the San Francisco Bay. The pump station has a partial screening device which screens trash during low flow. The partial screening device consists of expanded metal diamond shaped screening (1.5 inches by 0.5 inches and 30 inches high) that separately surrounds both pumps in the sump. Road maintenance staff manually remove accumulated trash from the screened area on an as needed basis. In 2017, DPW authorized a consultant to begin work on a Trash Capture Feasibility Study for the Athlone Terrace Pump Station (Athlone Pump Station Study) including: analyzing system hydrology, site constraints, concept designs for pump station capacity improvements including full trash capture device recommendations, cost estimates and trash load reduction estimates. The Athlone Pump Station Study was put on hold during FY 18-19, until watershed modeling efforts related to the Bayfront Canal &amp; Atherton Channel Flood Management &amp; Restoration</p>

	<p>Project are completed. The Athlone Pump Station Study will be re-initiated in FY 19-20. DPW will use information from the final Athlone Pump Station Study to assess future trash load reduction measures in this TMA (i.e., additional catch basin small full trash capture devices vs. enhanced street sweeping vs. pump station retrofit). DPW applied for grant funding for pump station improvements during FY18-19 and will continue to investigate long-term funding options.</p> <p>In addition to the feasibility work commissioned for the Athlone Terrace Pump Station described above, during FY 17-18, the County authorized a consultant to begin the Unincorporated County Trash Capture Feasibility Study (County Study) involving feasibility and siting for additional full trash capture devices in TMAs 1, 2, 3, 4, and 5 in order to meet the remaining trash load reduction by 2022. The study was finalized in November 2018, and the County is currently evaluating recommendations for TMA 1.</p> <p>On January 10, 2017, the County Board of Supervisors approved Resolution No. 074984 authorizing the establishment of no-parking zones during specified hours for street sweeping along sections of Middlefield Rd. A copy of the Resolution was included with the County's FY 17-18 Annual Report. The remaining street sweeping enhancements that were included for this TMA in the County's Long-Term Trash Load Reduction Plan will be re-evaluated once the study for the Athlone Terrace Pump Station is complete. The County continues to coordinate the street sweeping operations with Recology San Mateo County trash and recycling collection hauler on the synchronization of street sweeping activities with garbage and recycling collection service. This synchronization ensures maximum scheduling coordination and reduction of litter that stems from garbage/recycling collection services.</p> <p>As detailed in the County's Short- and Long-Term Trash Load Reduction Plans, the County originally planned to increase storm drain inlet maintenance frequency from once per year to quarterly in the NFO area (approximately 189 catch basins/inlets). However, following investigation of trash generation levels throughout the community, DPW staff have found that trash and litter levels vary significantly throughout the community and that with installation of full trash capture devices in combination with ARS, scheduled quarterly maintenance of all catch basin inlets is not needed. The County has instead opted to conduct scheduled maintenance annually prior to the start of the rainy season and then on an as-need basis throughout the rainy season. All full trash capture devices in "high" trash generation areas are inspected and maintained at least two times per year.</p> <p>The Office of Sustainability (OOS) has continued efforts to reduce illegal dumping throughout Unincorporated San Mateo County such as North Fair Oaks. The OOS sent mailers to residents in unincorporated San Mateo County which stated the fines associated with the Illegal Dumping. Since the notices were sent to residents, there has been a noticeable decrease in instances of illegal dumping throughout North Fair Oaks. The mailers included information on bulky item pickups residents are entitled to two times per year through their solid waste hauler. In an effort to decrease illegal dumping and bin overages in multi-family dwellings, the OOS is creating outreach materials for the Commercial and Multi-Family Outreach Program, such as a Move-In and Move-Out guide for residents that provides information on how to properly manage the disposal of household goods and where to donate items in useable condition throughout San Mateo County. The Move-In and Move-Out guide will be completed and sent out to property owners and tenants in the Fall of 2019.</p>
2	<p>The DPW Roads Division continued to conduct on-land trash cleanups approximately twice per month in TMA 2 along 87th Street from Sullivan Avenue to Park Plaza Drive. The clean-up activities are conducted using the SWP work force (generally two workers)</p>

	<p>and a DPW Roads Division supervisor. Additionally, the DPW Roads Division crew also conducts routine patrols and litter pickup in the Broadmoor area once per week.</p> <p>On February 24, 2015, the County Board of Supervisors approved Resolution No. 073661 authorizing the establishment of no-parking zones during specified hours for street sweeping along various streets in Broadmoor. A copy of the Resolution was included as an attachment to the County's FY 14-15 Annual Report. County street sweeping information is available at: <a href="http://publicworks.smcgov.org/street-sweeping-maps-and-schedules">http://publicworks.smcgov.org/street-sweeping-maps-and-schedules</a>.</p> <p>In addition to the full trash capture device described above in C.10.b.i, in June 2014, four partial capture devices (United Stormwater ARS) were installed at the intersections of 87th Street and Village Lane, and 87th Street and Washington Street.</p> <p>As described above, in November 2018, the County completed the Unincorporated County Trash Capture Feasibility Study. The County is currently evaluating recommendations for TMA 2.</p>
3	<p>In addition to the full trash capture device described above in C.10.b.i, in 2011, one partial-capture treatment device (ARS) was installed near the intersection of Valley Street and Hillside Boulevard.</p> <p>The DPW Roads Division also continued to conduct on-land trash cleanups at hot spot locations including A Street, B Street, and Reiner Street. The clean-up activities are conducted as needed using the SWP work force (generally two workers) and a DPW Roads Division supervisor. Additionally, the DPW Roads Division crew also conducts routine patrols in the Colma area once per week.</p> <p>As described above, in November 2018, the County completed the Unincorporated County Trash Capture Feasibility Study. The County is currently evaluating recommendations for TMA 3.</p>
4	<p>On June 7, 2016, the County Board of Supervisors approved Resolution No. 074572 authorizing the establishment of no-parking zones during specified hours for street sweeping along various streets in TMA 4 located the unincorporated Harbor/Industrial area. A copy of the Resolution was included as an attachment in the County's FY15-16 Annual Report.</p> <p>As described above, in November 2018, the County completed the Unincorporated County Trash Capture Feasibility Study. The County is currently evaluating recommendations for TMA 4.</p>
5	<p>In FY 18-19, the County awarded Sea Hugger, a nonprofit organization, a 4Rs grant to conduct monthly beach cleanups at Dunes Beach using a Nurdle Trommel which collects microplastics, and to install a Seabin in Pillar Point Harbor which will collect trash and microplastics. The cleanups will begin in FY 19-20, and the Seabin will be installed and operational in FY 19-20.</p> <p>County staff continued with activities related to litter reduction in the James V. Fitzgerald ASBS watershed in connection with the County's ASBS Compliance Plan and the San Vicente Creek Water Quality Improvement Plan. Tasks included routine inspection of key outfall locations for litter and debris, increased frequency of catch basin inspection and maintenance in the San Vicente Creek watershed, community cleanup events, and continued education and outreach in collaboration with the RCD. Enhanced Street sweeping in the San Vicente Creek watershed was increased to three times per month during FY 18-19.</p>

	<p>The DPW Roads Division continued to conduct on-land trash cleanups at hot spot locations where litter is more commonly observed within TMA 5 in the unincorporated Princeton and Moss Beach areas. The cleanup activities are conducted using the SWP work force (generally two workers) and a DPW Roads Division supervisor and are typically conducted two times per month.</p> <p>As described above, in November 2018, the County completed the Unincorporated County Trash Capture Feasibility Study. The County is currently evaluating recommendations for TMA 5.</p>
6	<p>The majority of TMA 6 is treated by full trash capture devices, but for the areas left untreated the County is relying on jurisdiction-wide measures (see All TMAs below) to target trash reduction. The County also continues to coordinate the street sweeping operations with the trash and recycling collection hauler on the synchronization of street sweeping activities with garbage and recycling collection service. This synchronization ensures maximum scheduling coordination and reduction of litter that stems from garbage/recycling collection services.</p>
7	<p>In FY 15-16, DPW completed the construction of asphalt curbs (and an adjacent pedestrian walkway) along the east side of Tower Rd (unincorporated area off of Polhemus Rd with several County facilities), allowing street sweepers to more effectively pick up street debris and significantly reduce the opportunity for trash to enter into our storm drain system. DPW staff continue to investigate whether street sweeping enhancements or target cleanups are needed for the remaining streets in this area. To date, randomly selected visual trash assessments have not taken place at this location. Once the area is formally assessed via the protocol, the County will re-evaluate whether additional measures are needed.</p> <p>Targeted outreach was conducted to a church within TMA 7 where litter had been previously documented. During the 2013 visual assessment and trash mapping verification process, the parcel was mapped as having a high trash generation rate. In June 2014, the County sent a letter to the church explaining the MRP requirements and future visual assessments. The church replied to the County with a letter stating that they would ensure that in the future the facility is clean. The church sent a letter to all organizations that use the church grounds so they are aware of the requirements and to help keep the surrounding area free of litter. The church also conducted a special cleanup and inspection of the property for litter and agreed to routinely clean and inspect the property on a monthly basis. During targeted visual trash assessments conducted over the past several years following outreach to the church, the assessment reach has been observed as trash category A - low trash generation rate. For FY 18-19, three visual trash assessments were performed, and the assessment reach was observed as trash category A - low trash generation rate on two occasions and B - moderate trash generation rate on one occasion; however, for the level B observation, trash was noted along the hillside along the roadway near the church's entrance road.</p> <p>Targeted outreach was also conducted in a residential area surrounding a school in the San Mateo Highlands area. While the school is non-jurisdictional, the surrounding streets are within the County's jurisdiction. During the 2013 visual assessment and trash mapping verification process, the associated parcels were mapped as having a moderate trash generation rate. In 2013, DPW initiated the process for posting and establishing no-parking zones along streets bordering the school that were mapped as having moderate trash generation rates. The item was presented to the Board of Supervisors on August 6, 2013. Due to community opposition, the Board of Supervisors postponed the item to allow DPW staff additional time to hold community meetings and further study the extent of the problem. Subsequently, DPW management worked with the community on a voluntary effort. The effort began in April 2014 and residents agreed to voluntary cleanup of street litter and to move the vehicles during street</p>



	<p>sweeping. During this trial period, the Road Maintenance crew photographically documented trash conditions and sent regular email updates to the homeowners group. Improvements have been documented and there no longer is evidence of a trash issue along the streets that surround the school. DPW staff continues to perform routine inspections and coordinate trash pickup and school notification as needed. During three visual trash assessments conducted during FY 18-19, the assessment reach was observed as trash category A - low trash generation rate on two occasions and B - moderate trash generation rate on one occasion.</p> <p>OOS provided technical advice to teachers and administration on how to improve the schools' waste reduction program, which includes litter prevention on campus. The OOS Schools Team program conducted 34 class field trips and reached 977 students in FY2018-2019. These students learned about the impacts of stormwater pollution and the benefits of litter prevention during our bay trail nature connection lesson. The 4R's school assembly and in-classroom presentations reached 1,896 students. The presentations cover a variety of waste-related topics including stormwater pollution impacts and best practices to prevent litter pollution. The Schools team also conducted 5 Plastic Pollution presentations and taught 80 students about the solutions to reducing plastic waste and how plastic travels to our oceans, creeks, and bays. The Schools team helped organized a Be Seen Keeping It Clean event with South Hillsborough Elementary School where 46 students helped clean up litter at their school and locations around the school community. The total garbage weight collected was 171 pounds and the total recyclables weight collected was 101 pounds.</p>
8	<p>The DPW Roads Division conducts on-land trash cleanups at hot spot locations where litter is more commonly observed in the Pescadero area (Stage Road between Highway 1 and State Route 84 and along Pescadero Creek Road from Highway 1 to Stage Road). The cleanup activities are conducted using the SWP work force (generally two workers) and a DPW Roads Division supervisor. The cleanups typically occur two times per month.</p>
9	<p>The DPW Roads Division crew continued to conduct routine patrols along County-maintained roadways in the following areas: unincorporated Colma, Broadmoor, Burlingame Hills, San Mateo Highlands (along Polhemus Road, upper and lower Crystal Springs Road, Skyline Boulevard, Ralston Avenue), Emerald Lake Hills (along Edgewood Road, Canada Road, Edmonds Road, Crestview Drive), and along Guadalupe Canyon Parkway near Daly City. The patrols are conducted once per month and are specifically done to cleanup illegal dumping.</p>
ALL TMAs	<p>Highlights of County local outreach and education efforts in all TMAs are provided below:</p> <p>The Office of Sustainability (OOS) led field trips, gave workshop presentations, and staffed booths and tables at fairs and other events throughout the County.</p> <p>The OOS hotline and website provides comprehensive information on a variety of litter and waste diversion and reduction topics including residential, commercial and school recycling programs, reuse ideas, source reduction information, pollution prevention, information on cleanups, pickups, and drop-off events, and other news related to resource conservation issues.</p> <p>The County continues to work on and explore other jurisdiction-wide control measures including enhanced programs for uncovered loads and improved trash bin/container management through the SMCWPPP Litter Workgroup. In addition, the County participates in the SMCWPPP Trash Subcommittee Workgroup working on compliance with the Municipal Regional Permit</p>

	<p>requirements on Trash Hot Spot identification, assessment, and cleanup. The OOS developed printed flyers on uncovered loads in collaboration with CalTrans. The flyers are placed at the office’s Waste Management Plan counter, where homeowners and contractors who self-haul their construction waste and debris come in to process their plans.</p> <p>OOS launched the Adopt-the-Block volunteer cleanup program. Volunteers can participate in the program by adopting streets in their neighborhood and committing to cleaning them up regularly. Volunteers can learn more about the program and check which blocks are available for adoption at <a href="http://www.smcsustainability.org/volunteer">www.smcsustainability.org/volunteer</a>. To date, one volunteer group has adopted a block and conducts regular cleanups.</p> <p>The County continued to support and contribute staff time to the annual BayROC (Bay Area Recycling Outreach Coalition) regional media campaigns.</p> <p>ReThink Disposable is a non-regulatory research and outreach project aimed at identifying and implementing BMPs for reducing disposable products and packaging in take-out food businesses. Currently, the County and Clean Water Action has partnered together for a one-year pilot project to conduct outreach to businesses to identify and implement waste reduction practices. During this one-year pilot project, up to 50 food businesses and institutions will be reached with source reduction messaging, seven to ten businesses will sign-up, and three to six businesses will complete certification with measurable impacts reported in final reports. ReThink Disposable team has surveyed 247 food businesses to date throughout San Mateo County. The findings of the survey will help develop future local policies targeting food ware packaging waste and street litter.</p> <p>The County included information in residential Recology bills in FY 18-19 reminding residents to keep their container lids fully closed, especially during the rainy season. The following information was included in commercial Recology bills: “Waste/Recycling container lids must be fully closed in order to avoid additional fees caused by containers that are overflowing or where litter has spilled out of the container. The trash that spills out onto the ground can enter the storm drains during the rainy season.”</p> <p>County staff continued targeted outreach for Colma Creek watershed including outreach and education at Coastal Cleanup day, and other volunteer cleanup events as previously detailed in Section C.7.</p> <p>The Office of Sustainability is currently in the process of developing a County ordinance as well as an internal County policy to address single-use disposable food service ware. The ordinance and county policy will help eliminate and reduce the unnecessary distribution of single-use plastic food ware.</p> <p>In FY18/19 in tandem with EOA, Inc. the County reevaluated the baseline trash generation of 146 acres of land draining to inlets on private properties in an attempt to more accurately represent the baseline trash generation in these areas. This project resulted in the reclassification of 80 acres of land to low trash generation areas. These changes have been included in the County’s baseline generation map and the associated appendix 10-1 in the current FY 18/19 annual report.</p>
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**Summary of Trash Control Measures Other than Full Capture Devices:**

- **Street Sweeping:** Include a description of any enhancements or new actions implemented after the MRP 1.0 effective date (i.e., December 2009). Identify portions of the TMA where enhanced street sweeping (i.e., increased sweeping frequency) and parking enforcement above 2009 levels was implemented.
- **On-land Cleanup:** Include a description of on-land cleanup activities that began after the MRP 1.0 effective date (i.e., December 2009) and continued into FY 2018/19, including any enhancements or new actions implemented in FY 2018/19. Describe if these actions are Permittee or volunteer-led.
- **Partial Capture Devices:** Provide a description of devices installed after the MRP 1.0 effective date (i.e., December 2009). Describe the level of maintenance conducted per device types.
- **Storm Drain Inlet Cleaning:** Describe storm drain inlet maintenance activities implemented after the MRP 1.0 effective date (i.e., December 2009) and continued in FY 2018/19, including any enhancements or new maintenance activities implemented in FY 2018/19. For new/enhanced actions, include the number of inlets where enhanced maintenance occurred, and the increased frequency of maintenance.
- **Uncovered Loads:** Describe activities designed to reduce trash from uncovered loads that began after the MRP 1.0 effective date (i.e., December 2009) and continued in FY 2018/19, including any enhancements or new actions implemented in FY 2018/19. Describe the types of actions implemented including new or redirected enforcement efforts to increase the focus towards new or enhanced actions.
- **Anti-littering and illegal dumping enforcement activities:** Describe anti-littering and illegal dumping enforcement activities began after to the MRP 1.0 effective date (i.e., December 2009) and continued in FY 2018/19, and any enhancements or new actions implemented in FY 2018/19. Include any new or redirected enforcement efforts to increase the focus towards new or enhanced actions. Describe the number of citations or other correction actions accomplished this year, and compare with previous years. Indicate how anti-littering and illegal dumping enforcement records are kept, and how they may be retrieved for audit.
- **Improved Trash Bin/Container Management:** Describe activities designed to improve trash bin/container management that began after the MRP1.0 effective date (i.e., December 2009) and continued in FY 2018/19, and any enhancements or new actions implemented in FY 2018/19. Include any new or redirected efforts to increase the focus towards these new or enhanced actions.
- **Other Types of Actions:** Describe activities designed after the MRP effective date (i.e., December 2009) and continued in FY 2018/19, and any enhancements or new (post December 2009 effective date) actions implemented in FY 2018/19.

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

Provide the following:

- 1) A summary of the on-land visual assessments in each TMA (or control measure area), including the street miles or acres available for assessment (i.e., those associated with VH, H, or M trash generation areas not treated by full capture systems), the street miles or acres assessed, the % of available street miles or acres assessed, and the average number of assessments conducted per site within the TMA; and
- 2) Percent jurisdictional-wide trash reduction in FY 18-19 attributable to trash management actions other than full capture systems implemented in each TMA; OR
- 3) Indicate that no on-land visual assessments were performed.

If no on-land visual assessments were performed, check here and state why:

**Explanation:** No OVTAs were conducted in TMA #2, 6, 8, or 9 in FY 18-19 because there is very limited street length available for assessments.

TMA ID or (as applicable) Control Measure Area	Total Street Miles <sup>54</sup> Available for Assessment	Summary of On-land Visual Assessments <sup>55</sup>			Jurisdictional-wide Reduction (%)
		Street Miles Assessed	% of Available Street Miles Assessed	Avg. # of Assessments Conducted at Each Site <sup>56,57</sup>	
1	8.32	1.05	12.6%	6.2	15.4%
2	1.35	0.00	0.0%	0.0	0.0%
3	0.72	0.36	49.5%	6.0	0.0%
4	0.86	0.40	46.7%	6.5	1.5%
5	3.34	0.79	23.7%	7.0	3.2%
6	0.06	0.00	0.0%	0.0	0.0%
7	2.26	0.50	22.1%	6.3	6.1%
8	0.10	0.00	0.0%	0.0	0.0%
9	0.07	0.00	0.0%	0.0	0.0%
<b>Total</b>		<b>3.10</b>	<b>-</b>	<b>-</b>	<b>26.3%</b>

<sup>54</sup> Street miles are defined as the street lengths and do not include curbs associated with medians.

<sup>55</sup> Assessments conducted between July 2017 and July 2019 are assumed to be representative of trash levels in FY 18-19 and were therefore used to calculate the jurisdictional-wide reductions reported in this section.

<sup>56</sup> Each assessment site is roughly 1,000 feet in length.

<sup>57</sup> Based on analyses conducted as part of the BASMAA *Tracking California's Trash* project (BASMAA 2017) funded by the State Water Resources Control Board, the optimal number of assessment events to detect an improvement from baseline trash levels at a site is between 4 and 6 per site.

**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
Single Use Bag Ordinance	<p>On November 6, 2012, the County Board of Supervisors passed a Reusable Bag Ordinance that became effective on 4/22/13. To ensure that facilities are abiding by the ordinance, plastic bags were added to the activity areas checklist on the standard stormwater facilities inspection report form. CEH inspectors will also enforce the ordinance on a complaint basis. Violations may result in fines: 1st = \$100, 2nd = \$200, 3rd = \$500 (each day single use plastic bags are distributed = 1 violation). Complaints and inspection records are maintained in the CEH EnvisionConnect electronic database. CEH continued to conduct targeted outreach for the bag ban including: maintenance of a dedicated County website - <a href="http://smchealth.org/BagBan">http://smchealth.org/BagBan</a>, reusable bag giveaways, outreach on Facebook and at local events, and development of resources for retailers including fact sheets, posters, and register tent cards.</p>	<p>During routine stormwater inspections, CEH inspectors document facilities that are out of compliance with the plastic bag/polystyrene container ban and provide education on more environmentally friendly products, as needed. CEH originally tracked bag ban and Styrofoam violations to ensure that the ordinances were being successfully implemented. Based on the low number of violations, CEH has determined that the bag ban was successfully implemented and a line item specifically for plastic bags and Styrofoam is no longer necessary. Observations of these violations are reflected in the violations for the Outdoor Waste/Disposal Area activity and plastic bags and Styrofoam are specifically noted. The County developed its % trash reduced estimate using the following assumptions: 1) Single use plastic bags comprise 8% of the trash discharged from stormwater conveyances, based on the Regional Trash Generation Study conducted by BASMAA; 2) 95% of single use plastic bags distributed in the County are affected by the implementation of the ordinance, based on the County of San Mateo's Environmental Impact Report; and 3) Based on the successful rollout of the plastic bag and Styrofoam bans and the significantly</p>	<p>For the 237 stormwater inspections conducted by CEH, there were no violations of the bag ban noted. There were 21 violations for Outdoor Waste/Disposal Area and 14 of those were at food or food related facilities. However, none of the comments for these violations specified plastic bag or Styrofoam violations. CEH will continue to work with commercial food facilities to ensure they continue to transition to more environmentally friendly products. Assuming single use bags are 8% of the trash observed in stormwater discharges (based on the Regional Trash Generation Study conducted by BASMAA), the County concludes</p>	7%

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.				
		low rate of reversion back to these products, plastic bags and Styrofoam are not considered to be significant sources of trash in the MS4 and they are counted/tracked with all other outdoor waste trash sources.	that there has been a 7% (i.e., 8% x 86% effectiveness in reducing bags) reduction in trash in stormwater discharges as a result of the County's ordinance.	
Expanded Polystyrene Food Service Ware Ordinance	On March 1, 2011, the County Board of Supervisors adopted Ordinance No. 04542 prohibiting food vendors from using polystyrene-based disposable food service ware. The ordinance became effective on July 1, 2011. To ensure that facilities are abiding by the polystyrene food ware ordinance, polystyrene was added to the activity areas checklist on the standard stormwater facilities inspection report form. Enforcement is by the CEH Inspectors. Violations may result in fines: 1st = \$100, 2nd = \$200, 3rd = \$500 (each day observed using polystyrene = 1 violation). Complaints and inspection records are maintained in the CEH EnvisionConnect electronic database.	Although the County has adopted and implemented an ordinance prohibiting the distribution of EPS food ware by food vendors, evaluations of the effectiveness of the ordinance have not yet been conducted. For the purpose of estimating trash reductions in stormwater discharges associated with the ordinance, the results of assessments conducted by the cities of Los Altos and Palo Alto were used to represent the reduction of trash associated with the County's ordinance. Assessments conducted by these cities were conducted prior to and following the effective date of their ordinances, and include audits of businesses and/or assessments of EPS food ware observed on streets, storm drains and local creeks. The results of assessments conducted by these cities are assumed to be representative of the effectiveness of the County's ordinance because the implementation (including enforcement) of the County's ordinance is similar to the City of Los Altos' and Palo Alto's. For the 42 routine stormwater inspections conducted at food facilities, there were 0 noncompliant sites for polystyrene containers. CEH will continue to work with facilities to	Results of assessments that are representative of the County, but were conducted by the cities of Los Altos and Palo Alto, indicate that County's ordinance is effective in reducing EPS food ware in stormwater discharges. This conclusion is based on the following assessment result – an average of 95% of businesses affected by the ordinance are no longer distributing EPS food ware post-ordinance. Based on these results, the estimated average reduction of EPS food ware in stormwater discharges is 90%. Assuming EPS food ware is 6% of the trash observed in stormwater	5%

**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.

		ensure they transition to more environmentally friendly products.	discharges, the County concludes that there has been a 5% (i.e., 6% x 90%) reduction in trash in stormwater discharges as a result of the ordinance.	
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**C.10.b.v ▶ Trash Reduction – Receiving Water Monitoring**

Report on the progress of developing and testing your agency’s trash receiving water monitoring program.

In FY 18-19, the County continued implementing the BASMAA Regional Receiving Water Trash Monitoring Program Plan that was approved by the Water Board’s Executive Officer. Implementation included preparing for and conducting qualitative assessments and quantitative monitoring in receiving water locations within the County of San Mateo. Implementation occurred through both the County’s own efforts and participation in the San Mateo County Water Pollution Prevention Program (SMCWPPP). Consistent with MRP requirements, a preliminary report describing data results and findings to-date was submitted to the Water Board via BASMAA on July 1, 2019 on behalf of all Permittees. The final report for the development and testing of the Bay Area trash receiving water monitoring program will be submitted by BASMAA by July 1, 2020, consistent with the MRP requirements, following peer review.

In addition to implementing the BASMAA Monitoring Plan, the County coordinated (via SMCWPPP) on the Statewide Trash Monitoring Methods Project, which is funded by the California Ocean Protection Council and State Water Board and administered via the Southern California Coastal Water Research Project (SCCWRP) and San Francisco Bay Estuary Institute (SFEI).

Additional information on accomplishments in FY 18-19 can be found in the Receiving Water Trash Monitoring Program Progress Report included in the SMCWPPP FY 18-19 Annual Report

**C.10.c ▶ Trash Hot Spot Cleanups**

Provide the FY 18-19 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 18-19.

Trash Hot Spot	New Site in FY 18-19 (Y/N)	FY 18-19 Cleanup Date(s)	Volume of Trash Removed (cubic yards)				
			FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19
SCPO1	N	9/11/2018	0.2	0.5	1.8	0.2	1.2
SCPO2	N	10/13/2018	0.5	0.2	0.2	0.6	2.8

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

Provide descriptions of significant revisions made to your Long-term Trash Load Reduction Plan submitted to the Water Board in February 2014. Describe significant changes made to primary or secondary trash management areas (TMA), 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
In FY 15-16, consistent with all MRP Permittees, all public K-12 schools, college and university parcels were made non-jurisdictional on the County's baseline trash generation maps. Under California Government Code Sections 4450 through 4461, the construction, modification, or alternation of facilities and/or structures on these parcels are under the jurisdiction of the California Division of State Architect and not the County. The public right-of-way (e.g., streets and sidewalks) surrounding these parcels remain as jurisdictional on the County's baseline trash generation maps. Revised maps that incorporate these revisions were included as Appendix 10-2 in the County's FY 15-16 Annual Report.	All Applicable
Change in time schedule for increasing street sweeping from FY15-16 to FY18-19. Proposed street sweeping enhancements for TMA 1 included in Long-Term Trash Load Reduction Plan will be re-evaluated following the results of the Athlone Terrace Pump Station Trash Capture Feasibility Study	1
Change in maintenance schedule for cleaning of catch basins	1
In FY 18-19, the County refined its Baseline Trash Generation Map based on new information on the levels of trash generated on private lands that drain to inlets located on those properties, but are connected to the County's MS4. A total of 148 acres of land area was identified by the County in FY 17-18 as draining to inlets located on private lands. The project conducted to identify these areas was described in the County's FY 17-18 Annual Report and was conducted to address MRP provision C.10.a.ii.b (Trash Generation Area Management - Identification of Private Drainages >10,000 ft <sup>2</sup> ). Maps identifying the 148	All Applicable



acres of land area were submitted to the SF Bay Regional Water Quality Control Board (Regional Water Board) in September 2018 with the County's Annual Report.

In an effort to gain additional information of the baseline trash levels on these parcels, the County conducted On-land Visual Trash Assessments (OVTAs) in FY 18-19 on parcels that comprised the 148 acres. These parcels had not been assessed during the initial development of the County's baseline map, so the OVTAs conducted in FY 18-19 were the first on these parcels. Two field-based OVTAs using OVTA Protocol C – Area-based Survey (EOA 2018) were conducted for each parcel to confirm parcel accessibility, existence of an inlet, and low trash generation levels. Based on previous technical studies (BASMAA 2017), two assessments events with "A" OVTA scores are needed to identify a parcel as "low trash generating." If the first assessment event yielded an OVTA score other than an "A", the second assessment event was canceled. Two consultant staff trained in Protocol C conducted all OVTAs. To the extent possible, assessments were performed directly prior to reoccurring trash control measures on parcels in order to depict maximum trash generation levels.

Based on the results of the OVTAs, 80 of the 148 acres of original were reclassified as "low trash generation" on the County's Baseline Trash Generation Map. The refined version of the County's map can be downloaded at <http://www.flowstobay.org/content/municipal-trash-generation-maps>.

**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 18-19. 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 18-19	Offset (% Jurisdiction-wide Reduction)
<p><b>Additional Creek and Shoreline Cleanups (Max 10% Offset)</b></p>	<p>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 FY18-19, 13 SWP cleanups were conducted resulting in removal of approximately 33.7 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 10 cubic yards of litter and illegally dumped material.</p> <p>Trash reduction % related to these receiving water cleanup efforts are not currently being counted towards the County's load reduction. Trash reductions resulting from increased levels of receiving water cleanups above pre-MRP levels may be counted towards the County's load reduction in the future.</p>	<p>NA</p>	<p>NA</p>
<p><b>Direct Trash Discharge Controls (Max 15% Offset)</b></p>	<p>NA</p>	<p>NA</p>	<p>NA</p>

Appendix 10-1. Baseline trash generation and areas addressed by full capture systems and other control measures in Fiscal Year 18-19.<sup>58</sup>

TMA	2009 Baseline Trash Generation (Acres) <sup>59</sup>					Trash Generation (Acres) in FY 18-19 After Accounting for Full Capture Systems					Jurisdiction-wide Reduction via Full Capture Systems (%)	Trash Generation (Acres) in FY 18-19 After Accounting for Full Capture Systems and Other Control Measures					Jurisdiction-wide Reduction via Other Control Measures (%)	Jurisdiction-wide Reduction via Full Capture AND Other Control Measures (%)
	L	M	H	VH	Total	L	M	H	VH	Total		L	M	H	VH	Total		
1	157	238	307	0	702	448	175	79	0	702	49.4%	622	44	36	0	702	15.4%	64.8%
2	0	13	22	0	35	3	12	21	0	35	0.4%	3	12	21	0	35	0.0%	0.4%
3	1	31	8	0	40	12	24	4	0	40	1.1%	15	17	8	0	40	0.0%	1.1%
4	20	40	1	0	61	21	39	1	0	61	0.0%	47	13	0	0	61	1.5%	1.5%
5	28	134	0	0	162	49	113	0	0	162	1.0%	111	51	0	0	162	3.2%	4.2%
6	0	4	0	0	4	2	2	0	0	4	0.1%	2	2	0	0	4	0.0%	0.1%
7	12	128	6	0	146	23	118	5	0	146	0.8%	129	17	0	0	146	6.1%	6.9%
8	0	4	0	0	4	0	4	0	0	4	0.0%	1	3	0	0	4	0.0%	0.0%
9	171,852	3	0	0	171,856	171,852	3	0	0	171,856	0.0%	171,852	3	0	0	171,856	0.0%	0.0%
<b>Totals</b>	<b>172,070</b>	<b>594</b>	<b>344</b>	<b>0</b>	<b>173,009</b>	<b>172,410</b>	<b>489</b>	<b>110</b>	<b>0</b>	<b>173,009</b>	<b>56.3%*</b>	<b>172,783</b>	<b>162</b>	<b>65</b>	<b>0</b>	<b>173,009</b>	<b>26.3%</b>	<b>82.6%</b>

\*The jurisdiction-wide reduction reported for full capture systems includes 3.4% reduction for treatment of 66.3 acres of non-jurisdictional public K-12, college and university school land areas.

<sup>58</sup> Due to rounding, total acres and percentages presented in this table may be slightly different than the sum of the acres/percentages in the corresponding rows/columns (e.g., differ by 1 acre or 0.1%).

<sup>59</sup> Baseline acreage presented here reflect the refinements to the County's baseline trash generation map based on the results of the County's assessment of baseline trash generation on private land areas draining to the County's MS4. See table C.10.d ► Long-Term Trash Load Reduction Plan for a description of the process used by the County to refine the baseline on these parcels.

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**

See the Countywide Program's FY 2018/19 Annual Report for updated information on:

- 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 Methodology<sup>60</sup> 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);
- Supporting data and information necessary to substantiate the load reduction estimates; and
- For Executive Officer approval, any refinements, if necessary, to the measurement and estimation methodologies to assess mercury load reductions in the subsequent permit.

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

See the Countywide Program's FY 2018/19 Annual Report for information on the quantitative relationship between green infrastructure implementation and mercury load reductions, including all data used and a full description of models and model inputs relied on to establish this relationship.

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

A summary of Countywide Program and regional accomplishments for this sub-provision are included in the Countywide Program's FY 2018/19 Annual Report.

<sup>60</sup>BASMAA 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**

See the Countywide Program's FY 2018/19 Annual Report for:

- Documentation of PCBs control measures implemented in San Mateo County municipal jurisdictional areas for which load reductions will be reported and the associated management areas;
- A description of how the BASMAA Interim Accounting Methodology<sup>61</sup> was used to calculate the PCBs load reduced by each control measure implemented in San Mateo County municipal jurisdictional areas and the calculation results (i.e., the estimated PCBs load reduced by each control measure);
- Supporting data and information necessary to substantiate the load reduction estimates; and
- For Executive Officer approval, any refinements, if necessary, to the measurement and estimation methodologies to assess PCBs load reductions in the subsequent permit.

**C.12.c ► Plan and Implement Green Infrastructure to Reduce PCBs Loads**

See the Countywide Program's FY 2018/19 Annual Report for, as part of reporting for C.12.b.iii(2), an estimate of the amount of PCBs load reductions resulting from green infrastructure implementation during the term of the Permit, including all data used and a full description of models and model inputs relied on to generate the estimate.

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<sup>61</sup>BASMAA 2017. Interim Accounting Methodology for TMDL Loads Reduced, Version 1.1. Prepared for BASMAA by Geosyntec Consultants and EOA, Inc., September 19, 2017.

**C.12.f. ► Manage PCB-Containing Materials During Building Demolition**

On July 1, 2019, was your agency ready to implement a method for identifying applicable structures (buildings built or remodeled between 1950 and 1980, except that single family residential and wood-framed buildings are exempt) that apply for a demolition permit?	X	Yes		No
On July 1, 2019, was your agency ready to implement a method to manage PCBs during demolition of applicable structures? <sup>62</sup>	X	Yes		No
Does your agency have a data-gathering method in place to inform reporting on the effectiveness of your agency’s program to manage PCBs during demolition of applicable structures (e.g., the number of applicable structures, and the amount and concentration of PCBs in priority building materials in applicable structures)?	X	Yes		No

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

A summary of Countywide Program and regional accomplishments for this sub-provision are included in the Countywide Program’s FY 2018/19 Annual Report.

<sup>62</sup> The new PCBs screening/sampling program itself is considered a stormwater control method for PCBs during demolition of applicable structures, consistent with the requirements of MRP C.12.f. The overall program will lead to management of priority PCBs-containing materials during demolition. For example, the project applicant is required to characterize PCBs concentrations in priority building materials and then must certify that “...I understand my responsibility for knowing and complying with all relevant laws and regulations related to reporting, abating, and handing and disposing of PCBs materials and wastes”, which should result in removal and proper disposal of PCBs-containing materials during demolition of an applicable structure (especially when PCBs concentrations are ≥ 50 ppm).

Section 13 - Provision C.13 Copper Controls

**C.13.a.iii.(3) ► 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:

Requirements for the cleaning and treating of copper architectural features is regulated by Chapter 4.100 of the San Mateo County Ordinance Code. This fiscal year, San Mateo County has not had any enforcement actions related to the improper cleaning or treating of architectural copper at construction sites or post-construction sites. Planning and Building staff informs applicants of architectural copper requirements using the C3 and C6 Development Review Checklist which contains Architectural Copper as a source control measure. Planning and Building permit applications are reviewed for the use of copper architectural features and, should a project incorporate such features, Planners would provide guidance to applicants on the installation and maintenance of these features (including conditions of approval related to architectural copper). The SMCWPPP flyer on Architectural Copper BMPs is available to applicants on the County's website.

**C.13.b.iii.(3) ► 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:

Upon review of our Provision C.5 illicit discharge inspection data, the County does not have any enforcement activities to report related to copper-containing discharges from pools, spas, and fountains.

**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:

San Mateo County has a few plating shops and other industrial facilities that use copper indoors. However, these facilities generally are held to rigorous standards for hazardous materials storage and hazardous waste management that minimizes circumstances where copper would become a stormwater issue. Copper "drag out" from dip tanks is managed using BMPs (such as the speed that materials is taken out of the tank with wet floors and secondary containment). Facilities where copper is used in process creates copper waste that is managed and recycled for its

economic value. Dust is swept up to eliminate particulate that would be considered hazardous waste (by particle size).



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:

The Office of Sustainability (OOS) continued administering the water and energy conservation program called Check It Out! Home Energy and Water Saving Toolkit which launched in FY 16-17. San Mateo County residents can check out the toolkit, stocked with supplies and measuring devices that will help lower utility bills while saving natural resources, at all branches of the San Mateo County and Peninsula Library System. Residents get to keep several supplies, including two faucet aerators, one low-flow showerhead, and water leak detection tablets. Devices that enable the measurement of water use are to be returned to the library in the toolkit box and include a water flow rate bag that measures the true rate of flow from faucets and showerheads. The accompanying handbook provides step-by-step directions on how to measure the energy use and water use of appliances and equipment in a home, and then shows how to reduce that energy and water use. 260 people checked out the toolkit in FY 18-19. For more info, visit <http://www.smcsustainability.org/energy-water/programs/>.

OOS's Sustainability Academy (Academy) offers San Mateo County community members no-cost educational offerings around sustainability, including water conservation. Example water conservation offerings include the Academy's one-hour water webinar (offered once a year) and a nine-week master course (Master Resource Conservation), which is offered approximately once a year.

Additionally, the County promoted water efficiency programs offered by the Bay Area Water Supply and Conservation Agency (BAWSCA) while tabling at community events. County staff also provided residents with information on less-toxic pest control provided by Our Water Our World at community events.

The County's Water Efficient Landscaping Ordinance ([https://planning.smcgov.org/sites/planning.smcgov.org/files/MWELO\\_2015-update0.pdf](https://planning.smcgov.org/sites/planning.smcgov.org/files/MWELO_2015-update0.pdf)) became effective on January 1, 2010. It promotes efficient water use in new and retrofitted landscapes. On July 15, 2015, California approved revisions to the Model Water Efficient Landscape Ordinance (MWELO). It applies to new landscape projects equal to or greater than 500 sq. ft. The ordinance also applies to rehabilitated landscape projects equal to or greater than 2,500 sq. ft. In addition, in the Coastal Zone, the County's Local Coastal Program and Design Review policies promote the use of drought tolerant and native vegetation for all landscaping projects.

The County follows its Illicit Discharge Detection and Elimination Enforcement Response Plan for ongoing, large volume landscape irrigation runoff. There were no reported potential or actual discharges of large volume landscape irrigation runoff in FY 18-19.

County Parks' irrigation systems have all been shut off at Huddart, Flood, and Edgewood Parks. Lawns have been re-seeded with low-water use grass mixes. Low flow faucets and shower heads have been installed where possible. Faucets in Memorial Park were replaced with automatic shutoff faucets. Shutoff valves make emergency repairs quick and effective and reduce wasted water in the event of a line break. Conversion of lawn to drought-tolerant natives and hardscape has been used to offset irrigation.

## Appendix Table of Contents

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

Attachment C.4.b.iii: Potential Facilities List

## Attachment C.4.b.iii Potential Facilities List

Facility ID	Record ID	Name	Street Number	Street Name	City
FA0000039	PR0048547	PESCADERO TRANSFER STATION	1	BEAN HOLLOW	PESCADERO
FA0000093	PR0042039	GARFIELD CHARTER SCHOOL	3600	MIDDLEFIELD	MENLO PARK
FA0000133	PR0042040	FAIR OAKS SCHOOL	2950	FAIR OAKS & OAKSIDE	REDWOOD CITY
FA0000140	PR0039438	SR CITIZENS NUTRITION PROGRAM	2600	MIDDLEFIELD	REDWOOD CITY
FA0000146	PR0069936	ST ANTHONYS PADUA DINING ROOM	3500	MIDDLEFIELD	MENLO PARK
FA0000146	PR0039349	ST ANTHONYS PADUA DINING ROOM	3500	MIDDLEFIELD	MENLO PARK
FA0000253	PR0057680	YMCA CAMP LOMA MAR	9900	PESCADERO CREEK	LOMA MAR
FA0000275	PR0039071	PILLAR POINT HARBOR	1	JOHNSON PIER	HALF MOON BAY
FA0000287	PR0039215	CUTTER SCOUT RESERVATION	2500	CHINA GRADE	BOULDER CREEK
FA0000334	PR0039121	THE NEW HARBOR	150	HARBOR	BELMONT
FA0000336	PR0041558	LITTLE BELMONT COFFEE SHOP	232	HARBOR	BELMONT
FA0000435	PR0041681	LA NEBBIA WINERY	12341	HWY 92	HALF MOON BAY
FA0000490	PR0039435	MOUNTAIN HOUSE RESTAURANT	13808	SKYLINE	WOODSIDE
FA0000519	PR0039477	BRENDA LIQUOR	2397	SPRING	REDWOOD CITY
FA0000777	PR0039302	COUNTRY CORNER	3207	ALAMEDA DE LAS PULGAS	MENLO PARK
FA0000779	PR0039296	LUTTICKEN INC	3535	ALAMEDA DE LAS PULGAS	MENLO PARK
FA0000782	PR0039311	DUTCH GOOSE, INC	3567	ALAMEDA DE LAS PULGAS	MENLO PARK
FA0000784	PR0039298	FLEA STREET CAFE	3607	ALAMEDA DE LAS PULGAS	MENLO PARK
FA0000858	PR0039341	CHAVEZ SUPERMARKET	3282	MIDDLEFIELD	MENLO PARK
FA0000900	PR0041899	MENLOVILLE COUNTRY STORE	1902	VALPARAISO	MENLO PARK
FA0001079	PR0039358	EL GRAN AMIGO	2448	HWY 1	MOSS BEACH
FA0001175	PR0039254	THE LATIN CLUB	2651	EL CAMINO REAL	REDWOOD CITY
FA0001240	PR0039444	MAZZOCOS SPORTS BAR	2808	MIDDLEFIELD	REDWOOD CITY
FA0001250	PR0039451	PENA MEAT & FOOD MARKET	3198	MIDDLEFIELD	REDWOOD CITY
FA0001260	PR0039385	COASTSIDE MARKET INC	501	VIRGINIA	MOSS BEACH
FA0001325	PR0039544	THE SADDLE ROOM	1607	WOODSIDE	REDWOOD CITY
FA0001326	PR0039545	LUCIAS PIZZERIA	1725	WOODSIDE	REDWOOD CITY
FA0001568	PR0039383	DUARTES TAVERN	202	STAGE	PESCADERO
FA0001572	PR0039615	SAN GREGORIO GENERAL STORE	7615	STAGE	SAN GREGORIO
FA0002048	PR0044460	MOUNTAIN TERRACE	17285	SKYLINE	WOODSIDE
FA0002074	PR0039282	APPLE JACKS	8790	LA HONDA	LA HONDA
FA0002089	PR0039286	MIRAMAR BEACH INN RESTAURANT	131	MIRADA	HALF MOON BAY
FA0002096	PR0039368	MOSS BEACH DISTILLERY RESTAURANT	120	BEACH	MOSS BEACH
FA0002097	PR0039279	THREE ZERO CAFE	9850	HWY 1	MOSS BEACH

FA0002104	PR0050014	ARCANGELI MARKET	287	STAGE	PESCADERO
FA0002108	PR0039074	KETCH JOANNE & HARBOR BAR	17	JOHNSON PIER	HALF MOON BAY
FA0002109	PR0039253	BARBARAS FISH TRAP- ISSUED IN 1977	281	CAPISTRANO	PRINCETON
FA0002244	PR0042133	EL PAISANO CARNICERIA Y MERCAD	2856	MIDDLEFIELD	REDWOOD CITY
FA0002450	PR0039347	PIZZA HUT #283326	3415	MIDDLEFIELD	MENLO PARK
FA0002715	PR0039325	PANADERIA MICHOACAN #2	3266	MIDDLEFIELD	MENLO PARK
FA0002761	PR0039233	DALY CITY AUTO	136	REINER	COLMA
FA0002860	PR0039467	HOMETOWN NOODLE	3151	MIDDLEFIELD	REDWOOD CITY
FA0002933	PR0039446	LA TIENDITA MARKET	2875	MIDDLEFIELD	REDWOOD CITY
FA0002970	PR0041580	ST JAMES GATE	1410	OLD COUNTY	BELMONT
FA0002973	PR0065339	A COZZOLINO NURSERY	105	DIGGES CANYON	HALF MOON BAY
FA0003007	PR0073609	R CEVASCO NURSERY INC	10510	CABRILLO HWY	PESCADERO
FA0003124	PR0042165	LA COSTA RESTAURANT	2761	EL CAMINO REAL	REDWOOD CITY
FA0003141	PR0039454	GUANACO RESTAURANT	2950	MIDDLEFIELD	REDWOOD CITY
FA0003189	PR0039134	MICHOACAN PRODUCE MARKET	3380	MIDDLEFIELD	MENLO PARK
FA0003595	PR0039278	Pillar Point Air Force Station	300	Westpoint	Princeton
FA0004168	PR0039470	EL TULENSE	2391	SPRING	REDWOOD CITY
FA0004335	PR0039332	LAS PARRILLAS RESTAURANT	3282	MIDDLEFIELD	MENLO PARK
FA0004451	PR0039138	TAQUERIA EL METATE	120	HARBOR	BELMONT
FA0005370	PR0039118	ROMEO PACKING CO	106	PRINCETON	PRINCETON
FA0005380	PR0039359	ODYSSEY PIZZERIA & CAFE	2350	CARLOS	MOSS BEACH
FA0005560	PR0039450	7 MARES SEAFOOD RESTAURANT	2809	MIDDLEFIELD	REDWOOD CITY
FA0005845	PR0040407	BFI OX MOUNTAIN	12310	HWY 92	HALF MOON BAY
FA0005998	PR0039481	EL GRULLENSE #2	2940	MIDDLEFIELD	REDWOOD CITY
FA0006936	PR0039457	MALDONADOS AUTO BODY & PAINT	2900	MIDDLEFIELD	REDWOOD CITY
FA0007184	PR0039488	PRECISION MICRO COMPONENTS	2900	SPRING	REDWOOD CITY
FA0007527	PR0039380	AT&T California - PC038	115	Goulson	Pescadero
FA0007547	PR0039361	AT&T California - PC004	740	Etheldore	Moss Beach
FA0007548	PR0039276	AT&T California - PC017	60	Entrada	La Honda
FA0007647	PR0039234	KYS AUTO REPAIR	2633	EL CAMINO REAL	REDWOOD CITY
FA0007667	PR0039269	REDWOOD MINI MARKET	2775	EL CAMINO REAL	REDWOOD CITY
FA0007708	PR0039177	AA SFO SUPER BAY	1060	NORTH ACCESS	San Francisco
FA0007955	PR0048433	PESCADERO STATE BEACH	404	WATER	PESCADERO
FA0007978	PR0039456	OSUNA AUTO REPAIR	2802	MIDDLEFIELD	REDWOOD CITY
FA0008182	PR0039459	PANADERIA MICHOACAN	2940	MIDDLEFIELD	REDWOOD CITY
FA0008217	PR0039475	REDWOOD CATERING	2684	MIDDLEFIELD	REDWOOD CITY
FA0008483	PR0046663	LOS AMIGOS	1999	PESCADERO CREEK	PESCADERO
FA0008545	PR0039086	SFIA SHUTTLE BUS	790	MCDONNELL	SFIA

FA0009059	PR0046995	BIANCHI FLOWERS INC.	243	BUTANO CUT OFF	PESCADERO
FA0009102	PR0040732	DEANS ANODIZING INC	2643	FAIR OAKS	REDWOOD CITY
FA0009228	PR0044351	PILLAR POINT FUEL DOCK	1	JOHNSON PIER	HALF MOON BAY
FA0009412	PR0039287	T & E PASTORINO NURSERY	12511	SAN MATEO	HALF MOON BAY
FA0009413	PR0069892	WESTLAND NURSERY #1	3439	CLOVERDALE	PESCADERO
FA0009425	PR0043572	SFPUC Harry Tracy Water Treatment Plant	2901	CRYSTAL SPRINGS	San Bruno
FA0009476	PR0039292	PORTOLA REDWOODS STATE PARK	9000	STATE PARK	LA HONDA
FA0009570	PR0069954	HALF MOON BAY AIRPORT	9850	HWY 1	HALF MOON BAY
FA0009994	PR0039265	EASY MART #1	61	AVENUE ALHAMBRA	EL GRANADA
FA0009999	PR0039382	Pescadero Alliance	1999	PESCADERO CREEK	Pescadero
FA0010001	PR0039370	Moss Beach Chevron	9400	Cabrillo	Moss Beach
FA0010008	PR0039356	NEIGHBORHOOD GAS MART	8445	CABRILLO HWY	MONTARA
FA0010089	PR0039381	PESCADERO CORP YARD	1000	PESCADERO	PESCADERO
FA0010090	PR0039069	PRINCETON CORP YARD	203	CORNELL	PRINCETON
FA0010091	PR0039289	LA HONDA CORP YARD	59	ENTRADA	LA HONDA
FA0010169	PR0039160	Delta Air Lines, Inc.-SFO Terminal	BOARDNG	AREA "C" RAMP LEVEL SFO	SFIA
FA0010451	PR0039384	SARABIAS AUTO REPAIR & TOWING	216	STAGE	PESCADERO
FA0010466	PR0039391	PESCADERO FIRE STATION	1200	PESCADERO	PESCADERO
FA0010678	PR0039153	Flyers #489	610	Harbor	Belmont
FA0010792	PR0039158	Delta Air Lines, Inc. - SFO Cargo		Cargo/GSE SFIA	SFIA
FA0010796	PR0039360	SWISSPORT GSE	602	MCDONNELL	SFIA
FA0010825	PR0039379	PESCADERO HIGH SCHOOL	350	BUTANO CUT OFF	PESCADERO
FA0010899	PR0039389	Suburban Propane	387	NORTH STREET	Pescadero
FA0011125	PR0039694	SFIA MAINTENANCE YARD	682	MCDONNELL	SFIA
FA0011175	PR0039182	ALASKA AIRLINES		Int'l Terminal A, Level	SFIA
FA0011226	PR0039308	FIRE STATION #4	3322	ALAMEDA DE LAS PULGAS	MENLO PARK
FA0011647	PR0039288	LOG CABIN RANCH	500	LOG CABIN	LA HONDA
FA0011678	PR0039274	BAY CITY FLOWER CO INC	2265	CABRILLO HWY	HALF MOON BAY
FA0011688	PR0039351	JASPER RIDGE BIOLOGICAL PRESER	4001	SAND HILL	WOODSIDE
FA0011713	PR0039277	GLENWOOD BOYS RANCH	400	LOG CABIN RANCH	LA HONDA
FA0011764	PR0039500	ALLOY CUTTING CO	2661	SPRING	REDWOOD CITY
FA0011898	PR0039222	CHEMCO SYSTEMS INC	2800	BAY	REDWOOD CITY
FA0011960	PR0081097	BEST WESTERN EXECUTIVE SUITES	25	5TH	REDWOOD CITY
FA0012062	PR0039272	HALF MOON BAY GRADING & PAVING INC	1780	HIGGINS CANYON	HALF MOON BAY
FA0012365	PR0039620	KINGS MOUNTAIN FIRE STATION	13889	SKYLINE	WOODSIDE
FA0012424	PR0040766	DELUX TRANSMISSIONS	415	MACARTHUR	REDWOOD CITY
FA0012840	PR0070208	SAN MATEO COUNTY MEMORIAL PARK	8879	PESCADERO	LOMA MAR
FA0013091	PR0039249	METAL FUSION, INC.	425	HURLINGAME	REDWOOD CITY

FA0013319	PR0040788	NICHOLS CONCRETE CUTTING	2625	FAIR OAKS	REDWOOD CITY
FA0013366	PR0039425	L-3 RANDTRON ANTENNA SYSTEMS	200	LIFEMARK	HALF MOON BAY
FA0013379	PR0039395	San Francisco Community College District - Airport Center		SFIA BUILDING 928	SFIA
FA0013771	PR0039206	CAL AUTO BODY	1132	HILLSIDE	COLMA
FA0014430	PR0039504	SIMPSON COMPANY PAINTING	2992	SPRING	REDWOOD CITY
FA0014635	PR0039225	GREAT MARQUES	815	DOUGLAS	REDWOOD CITY
FA0014642	PR0045895	CHEVRON STATION	3600	ALAMEDA DE LAS PULGAS	MENLO PARK
FA0014812	PR0039478	MEINEKE	3041	MIDDLEFIELD	REDWOOD CITY
FA0014894	PR0046764	UAL SFMC	800	AIRPORT BLDG 49	SFIA
FA0014932	PR0039458	LA CASITA CHILANGA	2928	MIDDLEFIELD	REDWOOD CITY
FA0015056	PR0039168	BUS & EQUIPMENT REPAIR OF CALI	31	KAREN	BELMONT
FA0015193	PR0082194	MAZZANTI CARNATIONS INC	50	DEARBORN PARK	PESCADERO
FA0015303	PR0039307	REDWOOD CITY TRANSMISSION			REDWOOD CITY
FA0015423	PR0042234	TACOS EL GRULLO	2798	SPRING	REDWOOD CITY
FA0015519	PR0040820	H & H AUTOMOTIVE	2835	MIDDLEFIELD	REDWOOD CITY
FA0015653	PR0040825	COOPERS AUTO REPAIR	2901	MIDDLEFIELD	REDWOOD CITY
FA0015774	PR0039476	AMERICAS ICE CREAM	2297	SPRING	REDWOOD CITY
FA0016476	PR0065559	5TH AVENUE EXXON	844	5TH	REDWOOD CITY
FA0016663	PR0060677	PRINCETON PUMP STATION		WESTPOINT/STANFORD	PRINCETON
FA0017083	PR0039102	SANDERS AUTOMOTIVE SVC CTR	256	HARBOR	BELMONT
FA0017096	PR0039164	GERMAN AUTO KRAFT INC	700	HARBOR	BELMONT
FA0017238	PR0040440	A REPETTO NURSERY	12351	HWY 92	HALF MOON BAY
FA0017340	PR0039548	DARINS TRUCKING SERVICE	766	WARRINGTON	REDWOOD CITY
FA0017377	PR0039447	HOLT TOOL & MACHINE INC	2909	MIDDLEFIELD	REDWOOD CITY
FA0017458	PR0039471	HIGH PERFORMANCE HOUSE	2431	SPRING	REDWOOD CITY
FA0017504	PR0039549	PRESS RITE CLEANERS	1595	WOODSIDE	REDWOOD CITY
FA0017581	PR0039324	ZOHRABS ARCO GARAGE	3233	MIDDLEFIELD	MENLO PARK
FA0017597	PR0043087	WEBB RANCH	2720	ALPINE	PORTOLA VALLEY
FA0017601	PR0039327	QUIK STOP MARKET #59	3401	MIDDLEFIELD	MENLO PARK
FA0017623	PR0039366	SLAC National Accelerator Lab	2575	SAND HILL RD M/S 36	Menlo Park
FA0017984	PR0040219	CRYSTAL SPRINGS GOLF PARTNERS	6650	GOLF COURSE	BURLINGAME
FA0018347	PR0039070	POLY CLEAN CTR	3275	EL CAMINO REAL	ATHERTON
FA0022322	PR0050447	CABRILLO FARMS AGRICULTURE	6	DENNISTON CREEK	MOSS BEACH
FA0022334	PR0060679	MONTARA PUMP STATION		HWY 1 AT 16TH	MONTARA
FA0022360	PR0048546	COASTSIDE FIRE DISTRICT, EL GRANADA	501	STETSON	MOSS BEACH
FA0022387	PR0040929	LARSON ELECTRONIC GLASS	2840	BAY	REDWOOD CITY
FA0022404	PR0040336	PG&E: RALSTON SUBSTATION		Loop	San Mateo
FA0022406	PR0048974	PG&E: EMERALD LAKE SUBSTATION	APPROX	591 ROBERTSON	Redwood City

FA0022410	PR0040593	PG&E: MENLO SUBSTATION		ASHTON	Menlo Park
FA0022420	PR0039180	PG&E: San Francisco Airport Substation		ANGUS AVE & SIXTH	SAN BRUNO
FA0022441	PR0051153	PORTOLA PUMP STATION	529	OBISPO	EL GRANADA
FA0022555	PR0041732	LEMOS FARM	12320	HWY 92	HALF MOON BAY
FA0022753	PR0039210	BRITISH AIRWAYS		INTERNATIONAL TERMINAL	SFIA
FA0022821	PR0025593	FAA REMOTE TRANSMITTER RECEIVER		FAA RTR	SFIA
FA0022866	PR0039174	AIR STATION SAN FRANCISCO	1020	ACCESS	SFIA
FA0023216	PR0039623	Hertz Rent-A-Car (1241-15)	780	MCDONNELL	SFIA
FA0023430	PR0039363	STOWE LANE LIFT STATION	17	STOWE	MENLO PARK
FA0023606	PR0039178	MOQUIN PRESS	555	HARBOR BLVD	BELMONT
FA0023659	PR0041735	BEACH HOUSE	4100	HWY 1	EL GRANADA
FA0023685	PR0039301	PENINSULA EQUINE	100	ANSEL	MENLO PARK
FA0023686	PR0039314	PORTOLA VALLEY TRAINING CENTER	100	ANSEL	MENLO PARK
FA0023831	PR0039141	UAL Super Bay Hanger	1060	NORTH ACCESS	SFIA
FA0023836	PR0039559	FedEx Express Corp-SFOR		BLDG 900 NORTH ACCESS	San Francisco
FA0023909	PR0039185	FAA GWQ LOCALIZER	GWQ LOC		SFIA
FA0023910	PR0039191	FAA CONTROL TOWER		CONTROL TOWER	SFIA
FA0023947	PR0039172	SFIA MILLBRAE PUMP STATION		AVIADOR AVE & ROBLAR	SFIA
FA0023948	PR0039700	SFIA SOUTH TERMINAL		SOUTH TERMINAL	SFIA
FA0023950	PR0039390	SFIA PARKING GARAGE		OUTSIDE PARKING GARAGE T2	SFIA
FA0023951	PR0039699	SFIA H&I CONNECTOR		NEAR GATE F81, SFO	SFIA
FA0023952	PR0039698	SFIA BOARDING AREA G		BTW GATES G93 & G95, SFO	SFIA
FA0024012	PR0041737	HALF MOON BAY SPORTFISHING	27	JOHNSON PIER	HALF MOON BAY
FA0024087	PR0039078	MEZZA LUNA	459	PROSPECT	PRINCETON
FA0024269	PR0044788	SAN FRANCISCO COUNTY JAIL #5	1	MORELAND	SAN BRUNO
FA0024531	PR0039501	Verizon Business: RDCECA	2700	Spring	Redwood City
FA0024604	PR0039417	SIGNATURE FLIGHT SUPPORT		PLOT 42	SFIA
FA0024608	PR0042294	GOLDEN GLAZE BAKERY & MARKET	2780	SAN MATEO	REDWOOD CITY
FA0024636	PR0041019	JOSES AUTO MECHANIC	2727	FAIR OAKS	REDWOOD CITY
FA0024680	PR0039703	MEL LEONG TREATMENT PLANT		MEL LEONG TREATMENT PLANT	SFIA
FA0024685	PR0050190	SFIA BOARDING AREA A		BTW GATES A6 & A4, SFO	SFIA
FA0024692	PR0039145	UAL-TERMINAL OPERATIONS		BLDG 642 GSE SERVICE	SFIA
FA0024744	PR0039418	Budget Rent A Car System, Inc.	780	MCDONNELL	SFIA
FA0024745	PR0039394	AVIS Rent a Car System, LLC	780	MCDONNELL	SFIA
FA0024848	PR0071717	PEARSON RANCH	11860	LA HONDA	WOODSIDE
FA0024905	PR0044466	KINGS MOUNTAIN SCHOOL	211	SWETT	WOODSIDE
FA0024993	PR0082616	FIRE STATION #5	4101	FAIR OAKS	MENLO PARK
FA0025031	PR0039388	Gazos Alliance	5720	Cabrillo	Pescadero



FA0025184	PR0039707	SFIA WESTFIELD GARAGE	638	WESTFIELD	SFIA
FA0025224	PR0039386	BEAN HOLLOW RANGE - PESCADERO	1000	BEAN HOLLOW	PESCADERO
FA0025231	PR0070269	MUZZI RANCH	7830	CABRILLO HWY	PESCADERO
FA0025234	PR0070331	CASCADE RANCH	3100	HWY 1	PESCADERO
FA0025254	PR0062578	MARCHI CENTRAL FARM	12720	HWY 1	PESCADERO
FA0025618	PR0039706	SFIA MPOE/NPOE	620	FIELD	SFIA
FA0025651	PR0042015	STARBUCKS COFFEE CO	3590	ALAMEDA DE LAS PULGAS	MENLO PARK
FA0025840	PR0039114	PRINCETON WELDING, INC.	231	HARVARD	HALF MOON BAY
FA0026088	PR0041063	MACHINE PARTS CO., INC	2715	SPRING	REDWOOD CITY
FA0026815	PR0050171	SFIA APOE/SPOE	56	MCDONNELL	SFIA
FA0027245	PR0043030	ALL AMERICAN MOTORS	2701	MIDDLEFIELD	REDWOOD CITY
FA0027557	PR0044095	D & L PRECISION REBUILDING, INC	2821	FAIR OAKS	REDWOOD CITY
FA0027667	PR0050620	Verizon Wireless Princeton (San Mateo)	106	Princeton	Half Moon Bay
FA0027700	PR0076766	Verizon Wireless Pulgas Ridge	85	Loops	San Mateo
FA0027744	PR0039618	WOODSIDE HIGH SCHOOL	199	CHURCHILL	WOODSIDE
FA0027793	PR0044892	HERNANDEZ WELDING	2928	MIDDLEFIELD	REDWOOD CITY
FA0028332	PR0046928	CALIFORNIA AUTO WORKS LLC	2666	MIDDLEFIELD	REDWOOD CITY
FA0028392	PR0047118	LANGLEY HILL QUARRY	12	LANGLEY HILL	WOODSIDE
FA0028446	PR0047266	FAA ALSF 2			SFIA
FA0028502	PR0059013	SFPUC Crystal Springs Pump Station	2901	CRYSTAL SPRINGS	San Mateo
FA0028852	PR0077120	LULUS ON THE ALAMEDA	3539	ALAMEDA DE LAS PULGAS	MENLO PARK
FA0028870	PR0049171	JOSHUA CHARLES CATERING	2832	MIDDLEFIELD	REDWOOD CITY
FA0028877	PR0086911	MEZZALUNA	240	CAPISTRANO	PRINCETON
FA0029056	PR0069899	YMCA CAMP JONES GULCH	11000	PESCADERO CREEK	LA HONDA
FA0029307	PR0049755	SMCO THHW	59	ENTRADA	LA HONDA
FA0029325	PR0070395	CHAVEZ SUPERMARKET	46	5TH	REDWOOD CITY
FA0029489	PR0050226	SFIA TERMINAL 2		BTW BOARDING AREAS C & D	SFIA
FA0029539	PR0050358	SFIA TANKS (17)		PLOT 40-AVV GRD TKS SFIA	SFIA
FA0029560	PR0057685	OPTIMIST VOLUNTEERS FOR YOUTH CAMP	5360	LA HONDA	SAN GREGORIO
FA0029607	PR0050549	REYNOSO AUTO REPAIR	2627	MIDDLEFIELD	REDWOOD CITY
FA0029633	PR0050618	GIUSTI FARMS	1800	HIGGINS CANYON	HALF MOON BAY
FA0029644	PR0050648	UNIVERSAL AUTO SERVICES	2647	MIDDLEFIELD	REDWOOD CITY
FA0029698	PR0051080	DG FLOOR COVERINGS INC	2501	SPRING	REDWOOD CITY
FA0029772	PR0051228	AT&T Mobility - MONTARA (USID12707)			Montara
FA0030215	PR0051382	ECLIPSE METAL FABRICATION INC	2901	SPRING	REDWOOD CITY
FA0030305	PR0051392	BENZ COLLISION CENTER	2740	BAY	REDWOOD CITY
FA0030670	PR0070400	FRENCH CONNECTION BAKERY	2810	BAY	REDWOOD CITY
FA0034477	PR0052659	BOMBARDIER	679	MCDONNELL	SFIA

FA0034929	PR0087087	HMB YACHT CLUB	214	PRINCETON	PRINCETON
FA0035935	PR0053295	WOODSIDE FIRE STATION #19	4091	Jefferson	Redwood City
FA0037357	PR0054225	POOLS ETC	763	MARSH	MENLO PARK
FA0040259	PR0056302	OCEANO HOTEL & SPA	280	Capistrano	EL GRANADA
FA0040304	PR0056347	COUNTRY CLUB CLEANERS	3536	ALAMEDA DE LAS PULGAS	MENLO PARK
FA0040738	PR0056530	COASTSIDE FIRE DISTRICT, EL GRANADA	531	OBISPO	EL GRANADA
FA0041347	PR0070288	BONGARDS NURSERY	12460	SAN MATEO RD	HALF MOON BAY
FA0042319	PR0086908	OLYMPIC CLUB	599	SKYLINE	DALY CITY
FA0043373	PR0073617	LA COSTANERA	8150	HWY 1	MONTARA
FA0044875	PR0057071	Lakeview Reservoir			Redwood City
FA0045131	PR0057808	TRACY HAND CAR WASH	701	MARSH	MENLO PARK
FA0045269	PR0058646	YOUTH SERVICES CENTER CENTRAL PLANT	70	LOOP	SAN MATEO
FA0045328	PR0073219	LA HONDA COUNTRY MARKET	8875	HWY 84	LA HONDA
FA0045476	PR0059466	PYRO SPECTACULARS NORTH INC	12344	HYW 92	HALF MOON BAY
FA0045603	PR0080323	HARLEY FARMS INC	205	NORTH	PESCADERO
FA0045669	PR0060580	Ameresco Half Moon Bay	12310	HYW 92	Half Moon Bay
FA0045831	PR0061078	FOX RENT A CAR	782	MCDONNELL	SFIA
FA0046054	PR0061766	NEW SOUTH PARKING		DOMESTIC PKNG -3RD FLR	SFIA
FA0046147	PR0064287	5th Ave Shell #138	3201	EL CAMINO REAL	Redwood City
FA0046220	PR0084814	Verizon Wireless Hwy 1 & Pescadero	1000	BEAN HOLLOW ROAD	Pescadero
FA0046221	PR0084813	Verizon Wireless La Honda	415	SEARS RANCH ROAD	La Honda
FA0046222	PR0084812	Verizon Wireless Hwy 1 & 84	7400	Stage	San Gregorio
FA0046224	PR0084810	Verizon Wireless: Hwy 1 & Montara	8888	Cabrillo	Montara
FA0046254	PR0062610	SMITH TRUCKS & EQUIPMENT	222	HARVARD	PRINCETON
FA0046255	PR0062615	HARLOES AUTOMOTIVE	850	AIRPORT	MOSS BEACH
FA0046467	PR0063224	OKU INC	4525	CLOVERDALE	PESCADERO
FA0046476	PR0063238	FAA HALF MOON BAY RCAG		FRENCHMANS CREEK	EL GRANADA
FA0047530	PR0064853	FAA/PRECISION RUNWAY MONITORING		RUNWAY FIELD	SFIA
FA0047531	PR0064857	FAA/VOR			SFIA
FA0047739	PR0065141	San Francisco International Service Center	660	Field	San Francisco
FA0047833	PR0065297	SAN FRANCISCO FINE BAKERY	2537	MIDDLEFIELD	REDWOOD CITY
FA0048073	PR0065820	EL GRANADA HARDWARE & CAFE	85	PORTOLA	EL GRANADA
FA0048081	PR0069930	LOS MANGUITOS	3133	MIDDLEFIELD	REDWOOD CITY
FA0048203	PR0066029	A & A ADVANCE	2959	FAIR OAKS	REDWOOD CITY
FA0049131	PR0079635	OCEAN VIEW INN	8425	CABRILLO HWY	MONTARA
FA0049135	PR0067134	SAN MATEO COUNTY RADIO SERVICES	150	LIFEMARK	HALF MOON BAY
FA0049683	PR0068023	VECTOR AUTO CARE	2401	SPRING	REDWOOD CITY
FA0049777	PR0068170	GHERKINS SANDWICH SHOP	171	7TH	MONTARA

FA0050203	PR0070276	POMPONIO RANCH LLC	3300	POMPONIO CREEK	SAN GREGORIO
FA0050406	PR0070412	AIDS COMMUNITY RESEACH CONSORTIUM	2684	MIDDLEFIELD	REDWOOD CITY
FA0050517	PR0069969	MEXCAL	3215	MIDDLEFIELD	MENLO PARK
FA0050561	PR0070072	RUDYS GREENHOUSES	2975	CLOVERDALE	PESCADERO
FA0050648	PR0070264	CENTERLINE MEDICAL LLC	2684	MIDDLEFIELD	REDWOOD CITY
FA0051344	PR0071195	CG & E AUTO BODY	2933	MIDDLEFIELD	REDWOOD CITY
FA0051393	PR0071238	IMAGE AUTO WORKS	2259	SPRING	REDWOOD CITY
FA0051807	PR0071811	SFO FUEL CO LLC	904	NORTH ACCESS	SFIA
FA0052056	PR0072160	ESR	2732	BAY	REDWOOD CITY
FA0052613	PR0083267	FISH N FRITES	8465	CABRILLO HIGHWAY	MONTARA
FA0053058	PR0047412	ASIG		BLDG 1070	SFIA
FA0053225	PR0073686	Southwest Airlines Co. - San Francisco International Airport	SFIA	TERMINAL ONE CONCOURSE B	San Francisco
FA0053372	PR0073788	Caltrans-Devil's Slide Tunnel (Maintenance & Operations)	6000	Cabrillo	Montara
FA0053383	PR0073798	A & S AUTOMOTIVE	2670	MIDDLEFIELD	REDWOOD CITY
FA0053823	PR0074955	DOWN TOWN LOCAL	213	STAGE	PESCADERO
FA0053938	PR0077987	WHISK CATERING	2992	SPRING	REDWOOD CITY
FA0054533	PR0075197	Caltrans - Hwy. 92/280 Pump Station			San Mateo
FA0054548	PR0075210	Enterprise/Alamo/National SFO QTA	780	MCDONNELL	SFIA
FA0054709	PR0079351	DHL WORLDWIDE	944	NORTH FIELD	SFIA
FA0055346	PR0076322	LAS JUNTAS RESTAURANT	2505	MIDDLEFIELD	REDWOOD CITY
FA0055676	PR0076741	PHIPPS, CONSTANCE TR		PO BOX 155	EL GRANADA
FA0056536	PR0077831	L&M TRANSMISSION	451	1ST	REDWOOD CITY
FA0056596	PR0077911	WEST COAST SURGICAL, LLC	141	CALIFORNIA	HALF MOON BAY
FA0056631	PR0077964	SKYLINE REAL ESTATE LLC	13090	SKYLINE	WOODSIDE
FA0056635	PR0077969	SKYLINE REAL ESTATE LLC	13100	SKYLINE	WOODSIDE
FA0056742	PR0078114	GENESIS AUTOBODY	7490	MISSION	COLMA
FA0056752	PR0078754	GARCIAS AUTO REPAIR	426	STANFORD	REDWOOD CITY
FA0056913	PR0078894	EXCLUSIVE AUTO CARE AND AUTO BODY	830	KAYNYNE	REDWOOD CITY
FA0057283	PR0082826	Verizon Wireless Hwy 1 Lighthouse	400	PIGEON POINT	Pescadero
FA0057470	PR0079747	MARTINS	3143	MIDDLEFIELD	REDWOOD CITY
FA0057646	PR0079977	OLD PRINCETON LANDING	460	CAPISTRANO	EL GRANADA
FA0057691	PR0080024	ST-Stanford Research Computing Facility 40-054	2575	SAND HILL	Menlo Park
FA0057747	PR0080088	Superior Pool Products LLC	2692	MIDDLEFIELD	Redwood City
FA0057789	PR0080147	PEGASUS AVIATION SERVICES	606	MCDONNELL	SFIA
FA0057870	PR0080288	GARAFFO AUTO REPAIR	2745	SPRING	REDWOOD CITY
FA0057960	PR0080394	MIDNIGHT AUTOMOTIVE	817	DOUGLAS	REDWOOD CITY
FA0057972	PR0080426	ELIANS AUTO REPAIR	2676	BAY	REDWOOD CITY
FA0057973	PR0080429	EUROPEAN MOTORS	2690	BAY	REDWOOD CITY

FA0058009	PR0080477	AW COLLISION AUTOBAHN	1309	ELMER	BELMONT
FA0058058	PR0080538	ATHERTON U-SAVE LIQUORS	3107	EL CAMINO REAL	REDWOOD CITY
FA0058248	PR0080758	SKYLINE HYDROGEN FUEL STATION	17289	SKYLINE	WOODSIDE
FA0058482	PR0081042	HAPPY TAILS DOG DAYCARE, INC.	507	ONEILL	BELMONT
FA0058526	PR0081081	INDIA BEACH RESTAURANT	425	AVENUE ALHAMBRA	EL GRANADA
FA0058553	PR0081116	THE PRESS	107	SEVILLA	EL GRANADA
FA0058744	PR0081356	R&DE SUSB CAFE	2575	SAND HILL	MENLO PARK
FA0058886	PR0081966	DASSEL'S PETROLEUM INC PESCADERO STORAGE	4525	CLOVERDALE	PESCADERO
FA0058939	PR0082626	BALTIC PESCADERO LLC	6150	CABRILLO HWY	PESCADERO
FA0059153	PR0081877	SOUZA TIRE & AUTO	31	WATER	PESCADERO
FA0059261	PR0082020	J & J AUTO DETAILING LLC	2824	MIDDLEFIELD	REDWOOD CITY
FA0059295	PR0082057	PITA HUB	2300	BAY	REDWOOD CITY
FA0059730	PR0082121	SKYLAWN MEMORIAL PARK	1	SKYLAWN	SAN MATEO
FA0059731	PR0082120	SKYLAWN FUNERAL HOME	100	LIFEMARK	SAN MATEO
FA0059970	PR0082396	JOANNES HARBOR CAFE	15	JOHNSON PIER PILLAR POINT	PRINCETON
FA0060015	PR0082464	JOES FOREIGN CAR SERVICES	2847	MIDDLEFIELD	REDWOOD CITY
FA0060137	PR0082604	SYNTHOMICS INC	3477	EDISON	MENLO PARK
FA0060188	PR0082686	ENSOR INC	3475	EDISON	MENLO PARK
FA0060229	PR0082731	SEQUOIA BILLIARD SUPPLY	885	HURLINGAME	REDWOOD CITY
FA0060451	PR0082942	POST & TRELIS	2645	FAIR OAKS	REDWOOD CITY
FA0060632	PR0083161	CUESTA LA HONDA GUILD INC PUBLIC WORKS	200	RECREATION	LA HONDA
FA0060689	PR0083273	EBB TIDE CAFE	311	MIRADA	HALF MOON BAY
FA0060856	PR0083439	SPEEDWAY AUTO REPAIR	850	AIRPORT	MOSS BEACH
FA0061196	PR0083892	PRINCETON SEAFOOD CO	9	JOHNSON PIER	HALF MOON BAY
FA0061385	PR0084092	SETON MEDICAL CENTER COASTSIDE	600	MARINE	MOSS BEACH
FA0061396	PR0084110	KONDITOREI	3130	ALPINE	PORTOLA VALLEY
FA0061637	PR0084323	MARSH ROAD GAS STATION	743	MARSH	MENLO PARK
FA0061851	PR0084609	SPANGLERS MARKET	401	AVENUE ALHAMBRA	EL GRANADA
FA0062330	PR0085177	THE IDEAL STORE	3375	BAYSHORE	REDWOOD CITY
FA0062417	PR0085252	TOY AUTO CLINIC	816	HURLINGAME	REDWOOD CITY
FA0062655	PR0085522	MAIN STREET SERVICE	860	AIRPORT	MOSS BEACH
FA0062928	PR0085860	WOOFS AND WIGGLES	840	SWEENEY	REDWOOD CITY
FA0062982	PR0086910	SWEET PORT BY INSHOU	260	CAPISTRANO	HALF MOON BAY
FA0063094	PR0068702	Peninsula Golf and Country Club	701	MADERA	SAN MATEO
FA0063296	PR0073225	HALF MOON BAY BREWING COMPANY	390	CAPISTRANO	PRINCETON
FA0063364	PR0086914	SAMS CHOWDER HOUSE	4210	CABRILLO HWY	HALF MOON BAY
FA0063534	PR0047512	COSTANOA LODGE AND CAMP	2001	ROSSI	PESCADERO
FA0063561	PR0086394	LAMAS PERUVIAN FOOD LLC	270	CAPISTRANO	PRINCETON

FA0063563	PR0086397	A COZZOLINO NURSERY	12599	SAN MATEO	HALF MOON BAY
FA0063646	PR0087511	AVANTI PIZZA FRESH PASTA	3536	ALAMEDA DE LAS PULGAS	MENLO PARK
FA0063688	PR0086554	COUNTRY ROGUE CONSTRUCTION	130	TUNITAS CREEK	HALF MOON BAY
FA0063689	PR0086560	HARBOR PIZZA AND CAFE	65	ALHAMBRA	EL GRANADA
FA0063833	PR0086717	SEVILLE TAPAS	450	CAPISTRANO	HALF MOON BAY
FA0063847	PR0086863	MONSTER CHEF	10151	CABRILLO HWY	EL GRANADA
FA0063898	PR0086987	HIGHWAY 1 BREWING COMPANY	5720	CABRILLO HWY	PESCADERO
FA0063937	PR0086792	RUSTWORKS	741	HURLINGAME	REDWOOD CITY
FA0063958	PR0086809	EAST PALO ALTO WATER DIST CA	2415	UNIVERSITY	EAST PALO ALTO
FA0064097	PR0086944	AUTOBAHN MOTORS - SERVICE	525	HARBOR	BELMONT
FA0064191	PR0087013	TOMKAT RANCH LLC	2997	PESCADERO CREEK	PESCADERO
FA0064217	PR0087871	DONUT DEPOT	3383	MIDDLEFIELD	MENLO PARK
FA0064257	PR0087082	SFIA CENTRAL PLANT		CENTRAL GARAGE SUBLEVEL	SFIA
FA0064297	PR0087470	EL GRANADA BEVERAGE COMPANY	522	AVE ALHAMBRA	EL GRANADA
FA0064357	PR0087208	COCOLA BAKERY	2490	MIDDLEFIELD	REDWOOD CITY
FA0064361	PR0087214	KOMA SUSHI PORTOLA VALLEY	3130	ALPINE	PORTOLA VALLEY
FA0064464	PR0087317	TROJAK KNIER WINERY	151-A	HARVARD	HALF MOON BAY
FA0064511	PR0087376	ARTEAGA AUTO REPAIR	2904	FLOOD	REDWOOD CITY
FA0064520	PR0087382	HALF MOON BAY DISTILLERY	103	HARVARD	HALF MOON BAY
FA0064549	PR0087411	ACTION TOWING & ROAD SERVICE INC	183	HARVARD	HALF MOON BAY
FA0064822	PR0087770	TACOS EL FOGON	3387	MIDDLEFIELD	MENLO PARK
FA0065166	PR0088130	COOKS COLLISION, AN ABRA COMPANY	1104	MAIN	REDWOOD CITY
FA0065243	PR0088197	GLOBAL AVIATION SERVICES	950	FIELD	SFIA
FA0065311	PR0088273	REDWOOD CITY ELK LODGE #1991	938	WILMINGTON	REDWOOD CITY
FA0065345	PR0088301	LA ROCA	55	5TH	REDWOOD CITY
FA0065595	PR0088648	DOMINOS PIZZA	100	5TH	REDWOOD CITY
FA0066306	PR0089430	PURISIMA UPLAND PROPERTY	0	VERDE	HALF MOON BAY
FA0066475	PR0089741	MONARCA ICE CREAM SHOP	3196	MIDDLEFIELD	REDWOOD CITY