



Scenic Pacifica
Incorporated Nov. 22, 1957

CITY OF PACIFICA

170 Santa Maria Avenue • Pacifica, California 94044-2506
www.cityofpacifica.org

MAYOR
Sue Vaterlaus

MAYOR PRO TEM
Deirdre Martin

COUNCIL
Sue Beckmeyer
Mary Bier
Mike O'Neill

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: **City of Pacifica**
FY 2018/19 Annual Report

Dear Mr. Montgomery:

This letter and Annual Report with attachments is submitted by the City of Pacifica 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.

Please contact me at (650) 738-3768 regarding any questions or concerns.

Very truly yours,

Raymund Donguines, PE
Senior Civil Engineer

Cc: File



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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:

Sam Bautista P.E., DPW Deputy Director/City Engineer

9/25/19

Date

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Section 1 – Permittee Information

Background Information			
Permittee Name:	City of Pacifica		
Population:	38,759		
NPDES Permit No.:	CAS612008		
Order Number:	R2-2015-0049		
Reporting Time Period (month/year):	July 2018 through June 2019		
Name of the Responsible Authority:	Sam Bautista	Title:	DPW Deputy Director/City Engineer
Mailing Address:	170 Santa Maria Avenue		
City:	Pacifica	Zip Code:	94044
		County:	San Mateo
Telephone Number:	(650) 738-3767	Fax Number:	(650) 738-3003
E-mail Address:	bautistas@ci.pacifica.ca.us		
Name of the Designated Stormwater Management Program Contact (if different from above):	Raymund Donguines	Title:	Senior Civil Engineer
Department:	Public Works		
Mailing Address:	170 Santa Maria Avenue		
City:	Pacifica	Zip Code:	94044
		County:	San Mateo
Telephone Number:	(650) 738-3768	Fax Number:	(650) 738-3003
E-mail Address:	donguinesr@ci.pacifica.ca.us		

Section 2 - Provision C.2 Reporting Municipal Operations

Program Highlights and Evaluation

Highlight/summarize activities for reporting year:

Summary:

Participation in the countywide program's Municipal Operations Subcommittee. Staff conducted stormwater training on construction BMPs and other maintenance procedures. Best Management Practices are discussed during our safety meetings.

Refer to the C.2 Municipal Operations section of the countywide Program's FY 18-19 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:

All construction BMPs are practiced during all roadway projects and repair. Construction BMPs are included in project bid documents and daily operating procedures. The City of Pacifica has an ongoing street sweeping program and all commercial and residential roadways are swept. Vacuum truck and other equipment's are used on large projects.

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:
All wash water is contained and disposed of properly. BMPs are implemented to protect storm drains and water ways. Vacuum trucks are used on large projects. The City of Pacifica complies with BASMAA Surface Cleaner Program BMPs.

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:
Proper BMPs are implemented in all bridge/structure maintenance and graffiti removal projects to contain all wash water and protect storm drains and water ways. Vacuum truck and other equipment are used to capture discharges from bridge/structure maintenance as well as graffiti removal operations.

C.2.e. ► Rural Public Works Construction and Maintenance			
Does your municipality own/maintain rural ¹ roads:		<input type="checkbox"/>	Yes
		<input checked="" type="checkbox"/>	No
If your answer is No then skip to C.2.f.			
Place a Y in the boxes next to activities where applicable BMPs were implemented. If not applicable, type NA in the box and provide an explanation in the comments section below. Place an N in the boxes next to activities where applicable BMPs were not implemented for one or more of these activities during the reporting fiscal year, then in the comments section below provide an explanation of when BMPs were not implemented and the corrective actions taken.			
NA	Control of road-related erosion and sediment transport from road design, construction, maintenance, and repairs in rural areas		
NA	Identification and prioritization of rural road maintenance based on soil erosion potential, slope steepness, and stream habitat resources		
NA	No impact to creek functions including migratory fish passage during construction of roads and culverts		
NA	Inspection of rural roads for structural integrity and prevention of impact on water quality		
NA	Maintenance of rural roads adjacent to streams and riparian habitat to reduce erosion, replace damaging shotgun culverts and excessive erosion		
NA	Re-grading of unpaved rural roads to slope outward where consistent with road engineering safety standards, and installation of water bars as appropriate		
NA	Inclusion of measures to reduce erosion, provide fish passage, and maintain natural stream geomorphology when replacing culverts or design of new culverts or bridge crossings		
Comments including listing increased maintenance in priority areas: Not Applicable			

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

C.2.f. ► Corporation Yard BMP Implementation

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

NA	We do not have a corporation yard
NA	Our corporation yard is a filed NOI facility and regulated by the California State Industrial Stormwater NPDES General Permit
X	We have a Stormwater Pollution Prevention Plan (SWPPP) for the Corporation Yard(s)

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

X	Control of pollutant discharges to storm drains such as wash waters from cleaning vehicles and equipment
X	Routine inspection prior to the rainy seasons of corporation yard(s) to ensure non-stormwater discharges have not entered the storm drain system
X	Containment of all vehicle and equipment wash areas through plumbing to sanitary or another collection method
X	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
X	Cover and/or berm outdoor storage areas containing waste pollutants

Comments:
The City of Pacifica currently utilizes a Corporation Yard BMP check list that meets all of the MRP requirements. The BMP checklist is constantly monitored and reviewed. All public works employees are trained on all aspects of the corp. yard BMPs. We utilize the CASQA handbook for our BMP standard for corporation yard management.

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 includes	Inspection Date ²	Inspection Findings/Results	Date and Description of Follow-up and/or Corrective Actions
City of Pacifica	Corp Yard Activities includes general housekeeping, vehicle/equipment washing, vehicle/equipment	9/20/18	We had very little visible signs of accumulated trash and no large deposits of other debris. There were no visible signs of leaking fluids	N/A

² Minimum inspection frequency is once a year during September.

	<p>maintenance & repair, outdoor material storage, outdoor waste/recycling storage and municipal vehicle/heavy equipment parking.</p>		<p>from parked vehicles. The vehicle wash pad area is cleaned once a week at a minimum, or as needed to keep the area clean and free of debris. As a requirement of the MRP it is plumbed to the sanitary sewer system. We continue to utilize indoor spill proof containment systems for our solvents, small gasoline cans and what we generate from off the street pickups. Trash dumpsters have attached lids on them and are serviced 2X a week. We also have indoor recycling containers provided by our local waste hauler.</p> <p>No regular fuel dispensing occurs at our facility and the Corporation yard is swept weekly or as needed. City wide street sweeping continues to be contracted out at this time.</p> <p>Installed a new eye wash station in our containment area and new employees are trained with procedures.</p>	
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Section 3 - Provision C.3 Reporting New Development and Redevelopment

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

Fill in attached table **C.3.b.iv.(2)** or attach your own table including the same information.

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.?

	Yes	X	No
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Comments (optional):

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)?

	Yes	X	No
	Yes	X	No

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.

The City of Pacifica had no special projects to report in FY 18-19.

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.

N/A

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

Guidance (all Permittees): Beginning FY 16-17, Permittees must report the number of Regulated Project sites inspected, not the number of treatment measures inspected. Do not leave any cells blank. The calculation of the percentage of Regulated Projects for which O&M verifications were conducted during the reporting period is based on the total number of projects in the Permittee’s database at the end of the previous fiscal year because projects added during the reporting fiscal year will likely have installation inspections and not O&M verification inspections, and it allows an agency to plan the required number of inspections to be conducted during the reporting period.

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 (FY17-18)	1
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)	3
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)	2
Percentage of the total number of Regulated Projects (including offsite projects, and Regional Projects) inspected during the reporting period (FY 18-19)	66.67%¹

¹ 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:

Three sites within the City of Pacifica require annual operation and maintenance (O&M) inspection. The sites – Cypress Walk subdivision, San Pedro subdivision, and the Linda Mar Pad building – have treatment systems that exhibited good maintenance. Overall the treatment systems were found to be functioning properly.

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:

The O&M Program is effective in the City of Pacifica's experience. The limited number of sites/treatment systems requiring inspection does not create a burden on staff. No changes in prioritization plan or frequency of O&M inspections are proposed.

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:

Guidance (all Permittees): Include the following text (if applicable) :

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. We are using the following Program and BASMAA products for C.3.i implementation:

- **The City of Pacifica also updated its stormwater control ordinance, effective January 12, 2017, to more clearly convey the requirements for**
- **C.3.i small projects. See PMC section 6-12.207.**

C.3.j.i.(5).(b) ► Green Infrastructure Plan			
(For FY 2018-19 Annual Report only) Did your agency complete a Green Infrastructure Plan?	<input checked="" type="checkbox"/>	Yes, see attached Green Infrastructure Plan	<input type="checkbox"/> No
If No, provide schedule for completion: City of Pacifica Green Infrastructure Plan (approval date 9/9/19) is available in the link below. https://www.cityofpacifica.org/depts/pw/engr/smcwppp_npdes/default.asp			

C.3.j.i.(5).(c) ► Legal Mechanisms			
(For FY 2018-19 Annual Report only) Does your agency have legal mechanisms in place to ensure implementation of the Green Infrastructure Plan?	<input checked="" type="checkbox"/>	Yes, see attached documents or links provided below	<input type="checkbox"/> No
If Yes, describe the legal mechanisms in place and the documents attached or links provided. City of Pacifica Municipal Code. Link below: https://library.municode.com/ca/pacifica/codes/code_of_ordinances?nodeId=TIT6SAHE_CH12STWAMADICO			
If No, provide schedule for completion: N/A			

C.3.j.i.(5).(d) ► Green Infrastructure Outreach
On an annual basis, provide a summary of your agency's outreach and education efforts pertaining to Green Infrastructure planning and implementation.
Summary:

Various City staff and management have discussed GI requirements throughout the FY. County staff and the City's consultant made a presentation to the City of Pacifica City Council on March 2019 about Green Infrastructure and future approval of the City's Green Infrastructure Plan. Discussion included the purpose and requirements of the Green Infrastructure Plan.

Please refer to the Countywide Program's FY 18-19 Annual Report for a summary of outreach efforts implemented at the Countywide level.

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

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

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

Background Information:

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

City to use BASMAA "Guidance for Identifying Green Infrastructure Potential in Municipal Capital Improvement Program Projects" (May 6, 2016) for guidance on identifying and reviewing potential green infrastructure projects.

Summary of Planning or Implementation Status of Identified Projects:

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 Countywide Program's FY 18-19 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 Countywide Program's FY 18-19 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 ² , Street Address	Name of Developer	Project Phase No. ³	Project Type & Description ⁴	Project Watershed ⁵	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft ²) ⁶	Total Replaced Impervious Surface Area (ft ²) ⁷	Total Pre- Project Impervious Surface Area ⁸ (ft ²)	Total Post- Project Impervious Surface Area ⁹ (ft ²)
Private Projects											
505 San Pedro Ave. Mixed-Use Development	505 San Pedro Ave.	Shawn Rhodes	N/A	Construction of 3 buildings, including 1 commercial building and 2 mixed-use buildings	San Pedro Creek	0.86	0.65	28,151	0	0	28,151
1335 Adobe Dr. Condominiums	1335 Adobe Dr.	Bert Martinez	N/A	Subdivision of airspace and construction of 7 new townhomes.	San Pedro Creek	0.43	0.25	10,683	0	0	10,683
Public Projects											
N/A											
Comments: N/A											

²Include cross streets

³If a project is being constructed in phases, indicate the phase number and use a separate row entry for each phase. If not, enter "NA".

⁴Project 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.

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

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

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

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

⁹For redevelopment projects, state the post-project impervious surface area.

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

Project Name Project No.	Application Deemed Complete Date ¹⁰	Application Final Approval Date ¹¹	Source Control Measures ¹²	Site Design Measures ¹³	Treatment Systems Approved ¹⁴	Type of Operation & Maintenance Responsibility Mechanism ¹⁵	Hydraulic Sizing Criteria ¹⁶	Alternative Compliance Measures ¹⁷ ¹⁸	Alternative Certification ¹⁹	HM Controls ^{20/21}
Private Projects										
505 San Pedro Ave. Mixed-Use Development	2/25/2016	11/5/2018	Storm drain system stenciling	On-site Bioretention Planters	Bioretention	O&M agreement with private landowner	Details not yet available	N/A	N/A	N/A
1335 Adobe Dr. Condominiums	4/15/2016	3/4/2019	Rain garden water treatment and pervious pavement + infiltration	On-site Bioretention Areas and Pervious Pavement	Bioretention and Pervious Pavement	O&M agreement with homeowners' association	Details not yet available	N/A	N/A	N/A

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

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

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

¹³List site design measures approved for the project. Examples include: minimize impervious surfaces; conserve natural areas, including existing trees or other vegetation, and soils; construct sidewalks, walkways, and/or patios with permeable surfaces, etc.

¹⁴List 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.).

¹⁵List 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.

¹⁶See 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).

¹⁷For 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.

¹⁸For 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.

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

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

²¹If HM control is required, state control method used (e.g., method to design and size device(s) or method(s) used to meet the HM Standard, and description of device(s) or method(s) used, such as detention basin(s), bioretention unit(s), regional detention basin, or in-stream control).

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

Project Name Project No.	Approval Date ²²	Date Construction Scheduled to Begin	Source Control Measures ²³	Site Design Measures ²⁴	Treatment Systems Approved ²⁵	Operation & Maintenance Responsibility Mechanism ²⁶	Hydraulic Sizing Criteria ²⁷	Alternative Compliance Measures ^{28/29}	Alternative Certification ³⁰	HM Controls ^{31/32}
Public Projects										
N/A										
Comments: N/A										

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

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

²⁴List site design measures approved for the project. Examples include: minimize impervious surfaces; conserve natural areas, including existing trees or other vegetation, and soils; construct sidewalks, walkways, and/or patios with permeable surfaces, etc.

²⁵List 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.).

²⁶List 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.

²⁷See 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).

²⁸For 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.

²⁹For 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.

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

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

³²If 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 Installed³³ 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 ³⁴ For Maintenance	Type of Treatment/HM Control(s)
San Pedro 6 Unit Subdivision	Western terminus of San Pedro Terrace Road, APN: 023-075-050	Home Owners Association	Detention system
Restaurant/Commercial	500 Linda Mar Boulevard	Property Owner	Flow Thru Planter

³³ "Newly Installed" includes those facilities for which the final installation inspection was performed during this reporting year.

³⁴ 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												
Project Name & No.	Permittee	Address	Application Submittal Date ³⁵	Status ³⁶	Description ³⁷	Site Total Acreage	Gross Density DU/Acre	Density FAR	Special Project Category ³⁸	LID Treatment Reduction Credit Available ³⁹	List of LID Stormwater Treatment Systems ⁴⁰	List of Non-LID Stormwater Treatment Systems ⁴¹
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

³⁵Date that a planning application for the Special Project was submitted.

³⁶ 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.

³⁷Type of project (commercial, mixed-use, residential), number of floors, number of units, type of parking, and other relevant information.

³⁸ For each applicable Special Project Category, list the specific criteria applied to determine applicability. For each non-applicable Special Project Category, indicate n/a.

³⁹For 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.

⁴⁰: 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.

⁴¹List 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

No Special Projects approved during FY 2018-2019.

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

Project Name and Location ⁴²	Project Description	Status ⁴³	GI Included? ⁴⁴	Description of GI Measures Considered and/or Proposed or Why GI is Impracticable to Implement ⁴⁵
2212 Beach Boulevard Project	Planning and design for development of the City property located at 2212 Beach Boulevard	Beginning planning phase	TBD	Bioretention cells and other GI measures will be considered
San Pedro Headlands Multi-Purpose Bike Trail	Multi-purpose trail	Planning phase	TBD	GI measures will be considered
Police Department Additional Parking	Additional parking area at the Police station	Planning phase	TBD	GI measures will be considered
Frontierland Park Parking Lot and Turn Around Improvements	New asphalt parking lot at the existing parking area at Frontierland Park	Planning and design phase	TBD	Bioretention cells and other GI measures will be considered
Fire Station 71 and 72 Replacement	Construct new Fire Stations	Beginning planning phase	TBD	GI measures will be considered
Old County Road Parking	New asphalt parking area along Old County Road	Planning phase	TBD	GI measures will be considered
New Pacifica Library Planning and Construction	Planning and design for new Library at City property located at 2212 Beach Boulevard	Beginning planning phase	TBD	Bioretention cells and other GI measures will be considered
Palmetto Sidewalk Project	New sidewalk	Planning phase	TBD	GI measures will be considered
Cattle Hill Property Trailhead and Parking Lot Project	New parking lot at City owned Cattle Hill property	Planning phase	TBD	GI measures will be considered
Beach Boulevard Picnic Area Landscaping Project	Replace the existing landscaping at Beach Boulevard Promenade	Planning phase	TBD	GI measures will be considered
Terra Nova Boulevard and Oddstad Boulevard	Pedestrian Crossing Improvements	Planning phase	TBD	GI measures will be considered

⁴² List each public project that is going through your agency's process for identifying projects with green infrastructure potential.

⁴³ Indicate status of project, such as: beginning design, under design (or X% design), projected completion date, completed final design date, etc.

⁴⁴ 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.

⁴⁵ 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.

Pedestrian Crossing Improvement				
CCWRP Parking Lot Restoration	Repave existing parking lot.	Planning phase	TBD	GI measures will be considered

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

Project Name and Location⁴⁶	Project Description	Planning or Implementation Status	Green Infrastructure Measures Included
Cattle Hill Property Trailhead and Parking Lot Project	New parking lot at City owned Cattle Hill property	Construction phase	Pervious pavement will be installed
Cabrillo School Pedestrian Crossing Improvement Project	Pedestrian Crossing and Bioretention Improvements	Scheduled for FY 18-19	Bioretention cells will be installed

⁴⁶ 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 City contracts with EOA, Inc. to conduct stormwater business facility inspections.

The City of Pacifica 1) updated our business inspection plan, facilities lists, and inspection frequencies and priorities; 2) conducted inspections; 3) attended training; and 4) participated in the Program's CII Subcommittee. Refer to the C.4 Industrial and Commercial Site Controls section of the SMCWPPP FY 17-18 Annual Report for a description of Program 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.

Attached is the list of industrial and commercial facilities.

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 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
Total number of inspections conducted (C.4.d.iii.(2)(a))	197
Violations, enforcement actions, or 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))	28

Comments:

Eight businesses completed corrective actions in a timely manner even though they required more than 10 business days. Inspectors kept in constant communication with all businesses with unresolved violations. Extensions were granted to allow for coordination of responsible parties (e.g., Recology, property management, etc.) or for demonstrating and documenting progress towards correcting violations. One business

received two verbal warnings, but finished implementing corrective actions the day after the second verbal warning.

Dial Glass was referred to the City Code Enforcement for resolution.

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) ¹	Number of Enforcement Actions Taken
Level 1	Verbal Warning	38
Level 2	Warning Notice	0
Level 3	Administrative Notice	0
Level 4	Legal Notice	0
Total		38

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 Category²	Number of Actual Discharges	Number of Potential Discharges
Commercial/Services	0	2
Corp Yard/Building Trade/Material Storage	0	1
Food Facility	0	18
General Retail	0	1
Industrial	0	1
Municipal/Schools	0	1
Other Facility	0	3

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

²List your Program's standard business categories.

Other Food Service Establishments	0	2
Vehicle mechanical repair/refueling	0	7
Pet Services	0	2

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:

No facilities have been identified as requiring Industrial General Permit coverage that has not filed for coverage.

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
U.S. EPA and California Air Resources Board inspector training	January 2019	Completion of webinar Basic Inspector Academy Training	2	50%		
Independently Review Available Materials	January 2019	<ul style="list-style-type: none"> SMCWPPP Orientation for Municipal Staff Workshop Binder (commercial site controls, illicit discharge detection and elimination, and pollutants of concern) SMCWPPP "How to Conduct Stormwater Inspections" guidance CASQA Stormwater Best Management Practice Handbook Portal: Industrial and Commercial – Source Control BMPs BASMAA Pollutants of Concern Commercial/Industrial Inspection Training Materials BASMAA Surface Cleaner Recognition Program Training Materials 	2	50%		

		<ul style="list-style-type: none"> SMCWPPP Outreach material SMCWPPP 2/28/2018 Training Workshop presentations 				
ACCWP Training Workshop: Best Practices for Successful Inspections	3/14/2019	Making positive first impressions, tactical communication skills, and overview of Regional BIP and ERP requirements	2	50%		
Inspector Calibration	April 2019	Calibrating BMP effectiveness scores amongst commercial/industrial stormwater inspectors	3	75%		
SCVURPPP IND/IDDE Training Workshop: Industrial Commercial and Illicit Discharge Stormwater Inspections	5/30/2019	Code enforcement officer safety, inspection case studies (including cannabis retail, industrial manufacturing, landfill, illicit discharge)	2	50%		
Comments: N/A						

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:

City staff has emphasized contractor education during site inspections and improved response time to illicit discharge complaints in order to minimize the frequency and severity of illicit discharges. The Code Enforcement Division investigated 4 illicit discharges in FY 18-19 and all complaints were resolved within a timely manner.

Participated in the SMCWPPP CII Subcommittee. Refer to the C.5 Illicit Discharge Detection and Elimination section of countywide program's FY 18-19 Annual Report for description of activities at the countywide or regional level.

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

Summary of any changes made during FY 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))	4
Discharges reaching storm drains and/or receiving waters (C.5.d.iii.(2))	0
Discharges resolved in a timely manner (C.5.d.iii.(3))	4

Comments:

Code Enforcement Division always attempts to make contact with the alleged violators in a timely manner with an effort to identify the substances that are reported as spills and discharges. Each time Public Works presence is requested and they have responded immediately making it easier to determine the steps that are needed to abate all storm drain issues, if any, caused by the residents throughout the City.

Members of the public can report illicit discharges by contacting City staff in-person, by phone, or by e-mail. Reports are recorded by Code Enforcement staff during normal business hours and Police Department staff after normal business hours. Complaints are then assigned to either Code Enforcement staff or Public Works staff for response depending on the violation location (private or public property, respectively). Code Enforcement staff documents the outcomes of illicit discharge responses utilizing GreenVue, a web-based permit and complain tracking system.

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))
No Changes
(b) Provide changes to your agency's enforcement strategy for mobile businesses (C.5.e.iii.(2)(b))
No Change
(c) Provide minimum standards and BMPs developed for additional types of mobile businesses addressed since 2017 Annual Report (C.5.e.iii.(2)(c))
City utilize the countywide program's mobile business BMPs.

(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)):

City distributes BMPs at various outreach events throughout FY 18-19. BMPs are also available at the Department of Public Works office.

Refer to the C.5 Illicit Discharge Detection and Elimination section of countywide program's FY 18-19 Annual Report for 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))

City staffs are cognizant of mobile businesses that may operate in the City. Mobile business BMPs are distributed and discussed when these businesses are encountered.

The City's Building Division inspects all job sites for illicit Discharges and best management practices.

(f) List below or attach the list of mobile businesses operating within your agency's jurisdiction (C.5.e.iii.(2)(f))

Name	Mailing Address	Mailing Address City	Zip Code	Contact Phone	Mobile Business Type
Jim's Mobile Steam Cleaning	1324 Peralta Road	Pacifica	94044	(650) 994-5936	Steam cleaning
Jim's Painting & Waterproofing	1179 Alicante Drive	Pacifica	94044	(650) 359-5781	Power washing

(g) Discuss enforcement actions taken against mobile businesses during the Permit term (C.5.e.iii.(2)(g))

No enforcement action was taken during this permit term.

C.5.f.iii ► MS4 Map Availability

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

The City's storm drain map is available on the City's website and can be viewed at the Department of Public Works office.

Section 6 – Provision C.6 Construction Site Controls

C.6.e.iii.(3)(a), (b), (c), (d) ▶ Site/Inspection Totals			
Number of active Hillside Sites (sites disturbing < 1 acre of soil requiring storm water runoff quality inspection) (C.6.e.iii.3.a)	Number of High Priority Sites (sites disturbing < 1 acre of soil requiring storm water runoff quality inspection) (C.6.e.iii. 3.c)	Number of sites disturbing ≥ 1 acre of soil (C.6.e.iii.3.b)	Total number of storm water runoff quality inspections conducted (include only Hillside Sites, High Priority Sites and sites disturbing 1 acre or more) (C.6.e.iii. 3.d)
# 1	# 1	# 0	# 14
Comments: The one hillside and one high priority sites receive regular inspections throughout the year for Best Management Practice. The two sites receive regular inspections (monthly during the 7 rainy season months).			
Does not apply.			

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

	Enforcement Action (as listed in ERP) ¹	Number Enforcement Actions Issued
Level 1 ²	Verbal Warning / Warning Notice	4
Level 2	Notice of Violation	0
Level 3	Administrative Order	0
Level 4	Administrative Penalty / Legal Action	0
Total		4

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.

- Permittee reports multiple discrete potential and actual discharges at a site as one enforcement action.
- 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)	4

Comments:

All 4 warnings resulted in “Knock and Talks,” which involved the City Code Enforcement Officer speaking with the potential violators to abate the situation. All action was taken within 24 hours to resolve the issue by the resident or the Department of Public Works.

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

²For example, Enforcement Level 1 may be Verbal Warning.

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:

All discharges were a result of resident complaints and most appeared to occur at job sites where residents were concerned that the management of the waste was not being dealt with properly. Such discharges were generally the result of disposing of wash water into the street as opposed to any type of missing or improperly installed BMP.

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

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

Description:

The City of Pacifica's program strengths include the ability to respond promptly upon receipt of illicit discharge complaints. The City enjoys a productive and cooperative relationship between the various departments involved in illicit discharge reporting and response, namely the Planning Department (Code Enforcement Division), Public Works Department (Engineering, Field Services, and Waste Water Division), and Police Department.

C.6.f.iii ► Staff Training Summary

Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance
Construction Site Stormwater Inspections	3/11/2019	Review stormwater requirements, documenting and tracking inspections, etc.	2

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:

See Section 7 and Section 9 of the SMCWPPP FY 18-19 Annual Report for a description of outreach campaign activities conducted at the countywide level.

The City of Pacifica continue to promote events such as Coastal Clean Up Day and Local Earth Day Event (Eco Fest) by placing posters and other informational materials at counters, in windows, City website and by informing applicants and others that come to the counter about such events. We continue our public outreach at the local events such as Eco Fest and Fog Fest.

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

See Section 7 of the SMCWPPP FY 18-19 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>Coastal Cleanup Day: September 15, 2018, Statewide/County Event</p>	<p>The audiences were coastal clean-up attendees.</p> <p>The City works with the Beach Coalition Annually to coordinate the CCD event.</p> <p>See the C.7 Public Information and Outreach section of Countywide Program's FY 17-18 Annual Report for more information.</p>	<p>The City works with the Beach Coalition coordinate these cleanups at the local level along the San Mateo County coast and include field education programs in partnership with the California Coastal Commission and San Mateo Countywide Pollution Prevention Program.</p> <p>Hundreds of people participated each year and work to collect trash at various sites here in Pacifica. Multiple city staff participated.</p> <p>See the C.7 Public Information and Outreach section of Countywide Program's FY 18-19 Annual Report for more information.</p>
<p>Fog Fest 2018: September 29-30, 2018, Local Event</p>	<p>The audiences were Fog Fest attendees. The Pacific Coast Fog Fest each year promotes the City of Pacifica, attracts visitors, celebrates our community and includes Arts and Crafts booths, Food and Beverage booths, Musical Entertainment, Family Fun Fest and a variety of other activities.</p> <p>The Fog Fest is a great opportunity to reach a diverse crowd which is made up of people from all over the Bay Area. Many people wanted various brochures and information and this triggered interesting</p>	<p>Over the weekend hundreds of people participated with the interactive storm drainage booth and both adults and children just enjoy the experience. Every year staff walks away with tired voices because of talking so much during this weekend event.</p> <p>Many people return to the booth various times, gathering more information, taking stormwater materials, asking questions, and signing up for different Mateo County programs.</p>

	discussions about how to better protect ourselves and our environment.	
Earth Day 2019: Pacifica State Beach, Local Event, April 20, 2019	<p>The audiences were Eco Fest and Earth Day clean-up attendees. Each year in honor of Earth Day the Pacifica Beach Coalition mobilizes thousands of volunteers. This citywide day of action and education highlights our coastal environment in partnership with the City of Pacifica.</p> <p>Eco Fest and Earth Day is always well attended and includes a City Wide clean up prior to the Eco Fest and Earth Day Celebration. Many locations throughout the City were cleaned when this event concluded.</p>	<p>We utilized the various program materials to engage children and adults in discussions about the various environmental issues. The most popular topic was the pet waste bags, too toxic guides, children coloring booklets and pocket ashtrays.</p> <ul style="list-style-type: none"> • This event continues to grow annually. This year we had more than 1000 people at the celebration with about 300 people stopping by the SMCWPPP booth. Many more participated at the clean-up sites throughout the City. • We continue to hand out numerous educational materials. • New and updated materials as well as the variety of water issues that could be addressed made for a successful time engaging the public.
Homeless Encampment Cleanup, Citywide	<p>The number of homeless individuals living in encampments in the City has grown and creating health, safety, and environmental concerns. Encampments have been established in an environmentally sensitive area adjacent to San Pedro Creek. A joint effort between the Police Department, Public Works and local nonprofit organization was formed to assist the homeless to get rid of excess materials, debris and trash.</p>	<p>This program meets the various goals of providing support services to the homeless and in cleaning up the environmentally sensitive creek area. Approximately 200 cubic yards of trash were collected during this annual event.</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:

See Section 7 of the SMCWPPP FY 18-19 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
Refer to the C.7 Section of the countywide program's FY 18-19 Annual Report for a description of School-age Children Outreach efforts conducted at the countywide level.	Refer to the C.7 Section of the countywide program's FY 18-19 Annual Report for a description of School-age Children Outreach efforts conducted at the countywide level.	Refer to the C.7 Section of the countywide program's FY 18-19 Annual Report for a description of School-age Children Outreach efforts conducted at the countywide level.	Refer to the C.7 Section of the countywide program's FY 18-19 Annual Report for a description of School-age Children Outreach efforts conducted at the countywide level.

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: N/A								
Report implementation of IPM BMPs by showing trends in quantities and types of pesticides used, and suggest reasons for increases in use of pesticides that threaten water quality , specifically organophosphates, pyrethroids, carbamates fipronil, indoxacarb, diuron, and diamides. A separate report can be attached as evidence of your implementation.								
Trends in Quantities and Types of Pesticide Active Ingredients Used ¹ N/A								
Pesticide Category and Specific Pesticide Active Ingredient Used	Amount ²							
	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21		
Organophosphates	None used	None used	None used	None used				
Active Ingredient Chlorpyrifos	N/A	N/A	N/A	N/A				
Active Ingredient Diazinon	N/A	N/A	N/A	N/A				
Active Ingredient Malathion	N/A	N/A	N/A	N/A				
Pyrethroids (see footnote #2 for list of active ingredients)	None used	None used	None used	None used				
Active Ingredient Type X	N/A	N/A	N/A	N/A				
Active Ingredient Type Y	N/A	N/A	N/A	N/A				
Carbamates	None used	None used	None used	None used				
Active Ingredient Carbaryl	None used	None used	None used	None used				
Active Ingredient Aldicarb	N/A	N/A	N/A	N/A				
Fipronil	N/A	N/A	N/A	N/A				

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

²Weight 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.

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	None used	None used	None used		
Diuron	Reporting not required in FY 15-16	None used	None used	None used		
Diamides	Reporting not required in FY 15-16	None used	None used	None used		
Active Ingredient Chlorantraniliprole		N/A	N/A	N/A		
Active Ingredient Cyantraniliprole		N/A	N/A	N/A		
Reasons for increases in use of pesticides that threaten water quality: N/A						
IPM Tactics and Strategies Used: The City of Pacifica continues to use mowing and cardboard mulching to control weeds as opposed to chemical applications. The City of Pacifica also uses citizen volunteer labor to hand pull weeds and for cardboard mulching.						

C.9.b ► Train Municipal Employees	
Enter the number of employees that applied or used pesticides (including herbicides) within the scope of their duties this reporting year.	2
Enter the number of these employees who received training on your IPM policy and IPM standard operating procedures within this reporting year.	2
Enter the percentage of municipal employees who apply pesticides who have received training in the IPM policy and IPM standard operating procedures within this reporting year.	100
Type of Training:	

All employees working for the City of Pacifica that could be involved in pesticide application received in house pesticide safety and IPM training.

C.9.c ▶ Require Contractors to Implement IPM

Did your municipality contract with any pesticide service provider in the reporting year, for either landscaping or structural pest control?	<input checked="" type="checkbox"/>	Yes		No
If yes, did your municipality evaluate the contractor's list of pesticides and amounts of active ingredients used?	<input checked="" type="checkbox"/>	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>City of Pacifica staff annually reviews contractors IPM policies and certifications to insure ensure that all contractors are in compliance with industry standards. Non chemical strategies are discussed and where appropriate implemented. Only when non chemical methods (traps, physical barriers, cleanliness etc.) have not achieved the necessary level of control are pesticide applications approved.</p>				

C.9.d ▶ Interface with County Agricultural Commissioners

Did your municipality communicate with the County Agricultural Commissioner to: (a) get input and assistance on urban pest management practices and use of pesticides or (b) inform them of water quality issues related to pesticides,		Yes	<input checked="" type="checkbox"/>	No
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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

Did your municipality report any observed or citizen-reported violations of pesticide regulations (e.g., illegal handling and applications of pesticides) associated with stormwater management, particularly the California Department of Pesticide Regulation (DPR) surface water protection regulations for outdoor, nonagricultural use of pyrethroid pesticides by any person performing pest control for hire.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
--	--------------------------	------------	-------------------------------------	-----------

If yes, provide a summary of improper pesticide usage reported to the County Agricultural Commissioner and follow-up actions taken to correct any violations. A separate report can be attached as your summary.

N/A

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 the C.9 Pesticides Toxicity Control section of Countywide Program’s FY 18-19 Annual Report for information on point of purchase public outreach conducted countywide 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 the C.9 Pesticides Toxicity Control section of Countywide Program’s FY 18-19 Annual Report for information on point of purchase public outreach conducted countywide and regionally.

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

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

Summary:

See the C.9 Pesticides Toxicity Control section of Program's FY 18-19 Annual Report for a summary of our participation in and contributions towards countywide and regional public 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 18-19, we 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 City of Pacifica's IPM Program during this permit term; and**
- **Pesticide-related area(s) that Pacifica will focus on enhancing during the next permit term.**

Section 10 - Provision C.10 Trash Load Reduction

C.10.a.i ► Trash Load Reduction Summary	
For population-based Permittees, provide the overall trash reduction percentage achieved to-date within the jurisdictional area of your municipality that generates problematic trash levels (i.e., Very High, High or Moderate trash generation). Base the reduction percentage on the information presented in C.10.b i-iv and C.10.e.i-ii. Provide a discussion of the calculation used to produce the reduction percentage	
Trash Load Reductions	
Percent Trash Reduction in All Trash Management Areas (TMAs) due to Trash Full Capture Systems (as reported C.10.b.i)	19.7%
Percent Trash Reduction in all TMAs due to Control Measures Other than Trash Full Capture Systems (as reported in C.10.b.ii) ¹	58.2%
Percent Trash Reduction due to Jurisdictional-wide Source Control Actions (as reported in C.10.b.iv)	10.0%
SubTotal for Above Actions	87.9%
Trash Offsets (Optional)	
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%
Total (Jurisdictional-wide) % Trash Load Reduction through FY 2018-19	87.9%
<p>Discussion of Trash Load Reduction Calculation and Attainment of the 80% Mandatory Deadline: The City attained and reported 91.8% trash load reduction (including trash offsets) in its FY 17-18 Annual Report. During FY 18-19, the City continued to implement a robust trash control measure program, including on land trash pickup and street sweeping around commercial areas and citywide, which helped the City 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 87.9% (including trash offsets). The most recent version of the City's Baseline Trash Generation Map can be downloaded at http://www.flowstobay.org/content/municipal-trash-generation-maps.</p>	

¹ 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.

C.10.a.iii ► Mandatory Trash Full Capture Systems

Provide the following:		
1) Total number and types of full capture systems (publicly and privately-owned) installed prior to FY 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.		
Type of System	# of Systems	Areas Treated (Acres)
Installed in FY 18-19		
None		
Installed Prior to FY 18-19		
Connector Pipe Screens (Public)	154	339.1
Total for all Systems Installed To-date	154	339.1
Treatment Acreage Required by Permit (Population-based Permittees)		30
Total # of Systems Required by Permit (Non-population-based Permittees)		N/A

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	10.6%	140	10%	All trash capture devices are inspected and cleaned prior to the rainy season typically in September and after each major rain event. We continue to have minor issues with the devices getting clogged with windblown sand and leaves from nearby trees during heavy downpours. City staffs familiar with problem areas and immediately inspect these sites during rain events to verify they are functioning properly. The City is evaluating our trash capture system operation/maintenance procedures.
2	1.0%			
3	5.3%			
4	0.0%			
5	0.0%			
6	0.7%			
7	0.9%			
Total	19.7%*			

Certification Statement:

The City of Pacifica certifies that a full capture system maintenance and operation program is currently being implemented to maintain all applicable systems in manner that meets the full capture system requirements included in the Permit.

*The Total jurisdiction-wide reduction reported for full capture systems includes 1.3% reduction for treatment of 7.6 acres of non-jurisdictional public K-12, college and university school land areas.

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

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

TMA	Summary of Trash Control Actions Other than Full Capture Systems
1	Streets within the food retail land use areas continue to receive enhanced street sweeping at a frequency greater than 1x/week. The majority of streets fronting these areas have no parking zones; therefore, street sweeping is effective in reaching the curb and removing trash. Continue with City led on land trash clean up on specific high trash generating areas weekly or 4 times a month.
2	No new control measures implemented in this TMA for FY 18-19.
3	Streets within the retail land use areas continue to receive enhanced street sweeping at a frequency greater than 1x/week. The majority of streets fronting these areas have no parking zones; therefore, street sweeping is effective in reaching the curb and removing trash. Continue City led clean up on specific high trash generating areas weekly or 4 times a month.
4	No new control measures implemented in this TMA for FY 18-19.
5	No new control measures implemented in this TMA for FY 18-19.
6	No new control measures implemented in this TMA for FY 18-19.
7	Continue providing trash related public information at local events. Installed several anti-littering and illegal dumping enforcement street signs along City right-of-way.

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:**

X

Explanation: No OVTAs were conducted in TMA #7 in FY 18-19 because there is minimal street length available for assessments.

TMA ID <i>or (as applicable)</i> Control Measure Area	Total Street Miles ² Available for Assessment	Summary of On-land Visual Assessments ³			Jurisdictional-wide Reduction (%)
		Street Miles Assessed	% of Available Street Miles Assessed	Avg. # of Assessments Conducted at Each Site ^{4,5}	
1	1.00	0.42	42.2%	6.5	32.4%
2	1.29	0.42	32.7%	6.0	5.7%
3	2.13	0.60	28.1%	4.3	8.2%
4	0.56	0.22	39.0%	6.0	7.0%
5	0.09	0.09	100.0%	4.5	0.6%
6	0.46	0.20	43.7%	6.0	4.3%
7	0.22	0.00	0.0%	0.0	0.0%
Total		1.55	-	-	58.2%

² Street miles are defined as the street lengths and do not include curbs associated with medians.

³ 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.

⁴ Each assessment site is roughly 1,000 feet in length.

⁵ 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>The City of Pacifica has promoted the San Mateo County Reusable Bag Ordinance, which took effect on April 22, 2013, through our outreach efforts during several City events and Earth Day. Link to San Mateo County Ordinance:</p> <p>http://smchealth.org/sites/default/files/docs/EHS/Final_15_Plastic%20Bag_Ord_04637.pdf</p>	<p>On behalf of all SMCWPPP Permittees, the County of San Mateo conducted assessments evaluating the effectiveness of the single use plastic bag ban in municipalities within San Mateo County. Assessments conducted by the County included audits of businesses and surveys of customer bag usage at many businesses in San Mateo County. Additionally, the number of complaints by customers was also tracked by the County. The results of assessments conducted by these cities are assumed to be representative of all SMCWPPP Permittees, given the consistency between the scope, implementation, and enforcement of the ordinances among the municipalities. The City of Pacifica developed its % trash reduced estimate using the following assumptions:</p> <ol style="list-style-type: none"> 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 City of Pacifica are affected by the implementation of the ordinance, based on the County of San Mateo's Environmental Impact Report; and 3) Of the bags affected by the ordinance, there are now 90% less bags being distributed, based on customer complaints received by the County of San Mateo's Department of Environmental Health Services. This is conservative estimate given that in FY 13-14 Environmental Services only received complaints about 4 of the over 1900 businesses in San Mateo County that are affected by the single-use plastic bag ordinances. 	<p>Results of assessments conducted by the County of San Mateo on behalf of all municipalities in San Mateo County indicate that the ordinance is effective in reducing the number of single use plastic bags in stormwater discharges. This preliminary conclusion is based on the very small number of complaints received from customers about businesses in San Mateo County that are continuing to use single use plastic bags after ordinances were adopted. Assuming single use bags are 8% of the trash observed in stormwater discharges, the City of Pacifica concludes 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 ordinance.</p>	7%
Expanded Polystyrene Food Service Ware	<p>The City of Pacifica adopted an ordinance effective January 10, 2010 banning polystyrene foam food service ware at the point-of-sale. Food vendors are prohibited from providing</p>	<p>Although the City of Pacifica 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</p>	<p>Results of assessments that are representative of the City, but were conducted by the cities of Los Altos and Palo Alto, indicate that City's ordinance is effective in</p>	

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.

Ordinance	<p>prepared food to customers in foam polystyrene or solid polystyrene disposable food service ware. Potential vendors are provided information during Planning and Building permit review. Link to City of Pacifica Municipal Code: http://library.municode.com/HT/ML/16544/level3/TIT6SAHE_CH5C_ACORE_ART4SUFOSEWA.html#T_OPTITLE</p>	<p>Los Altos and Palo Alto were used to represent the reduction of trash associated with the City's ordinance. Assessments conducted by these cities were conducted prior to and following the effective date of their ordinances, and include audits of businesses and/or assessments of EPS food ware observed on streets, storm drains and local creeks. The results of assessments conducted by these cities are assumed to be representative of the effectiveness of the City's ordinance because the implementation (including enforcement) of the City's ordinance is similar to the City of Los Altos' and Palo Alto's. The City of Pacifica developed its % trash reduced estimate using the following assumptions:</p> <ol style="list-style-type: none"> 1) EPS food ware comprises 6% of the trash discharged from stormwater conveyances, based on the Regional Trash Generation Study conducted by BASMAA; 2) 80% of EPS food ware distributed by food vendors or sold via stores in the City of Pacifica is affected by the implementation of the ordinance; and 3) There is now 95% less EPS food ware being distributed, sold and/or observed in the environment, based on assessments conducted by the City of Palo Alto and City of Los Altos 	<p>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 discharges, the City/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.</p>	5%
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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 City 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 City of Pacifica. Implementation occurred through both the City’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 City 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
PAC-01	N	6/7/2018	0.05	0.10	0.05	0.05	0.4

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 City'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 City. The public right-of-way (e.g., streets and sidewalks) surrounding these parcels remain as jurisdictional on the City's baseline trash generation maps. The City's revised baseline trash generation map was included as Appendix 10-2 in the FY 15-16 Annual Report.	All Applicable
City staff is evaluating the Pacifica Beach Coalition monthly clean-up data for possible inclusion in the future MRP Annual Reports.	TMA #5

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)
Additional Creek and Shoreline Cleanups (Max 10% Offset)	The Pacifica Beach Coalition, a registered nonprofit organization, hosts monthly cleanup at several beaches in Pacifica. The Pacifica Beach Coalition tracks litter, debris and green waste collected during a cleanup. City staff is evaluating their data for possible inclusion in a future MRP Annual Report.	N/A	N/A
Direct Trash Discharge Controls (Max 15% Offset)	N/A	N/A	N/A

Appendix 10-1. Baseline trash generation and areas addressed by full capture systems and other control measures in Fiscal Year 18-19.⁶

TMA	2009 Baseline Trash Generation (Acres)					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	2	5	69	0	76	18	4	54	0	76	10.6%	53	22	1	0	76	32.4%	43.0%
2	0	47	0	0	47	6	41	0	0	47	1%	40	7	0	0	47	5.7%	6.7%
3	51	111	5	0	167	78	85	4	0	167	5.3%	116	52	0	0	167	8.2%	13.5%
4	0	50	0	0	50	0	50	0	0	50	0%	42	8	0	0	50	7.0%	7.0%
5	0	35	0	0	35	0	35	0	0	35	0%	4	31	0	0	35	0.6%	0.6%
6	1	29	0	0	30	5	25	0	0	30	0.7%	30	0	0	0	30	4.3%	4.9%
7	7,266	13	1	0	7,280	7,269	11	1	0	7,280	0.9%	7,269	11	1	0	7,280	0%	0.9%
Totals	7,320	290	75	0	7,685	7,376	251	59	0	7,685	19.7%*	7,553	130	2	0	7,685	58.2%	77.9%

*The Total jurisdiction wide reduction reported for full capture systems includes 1.3% reduction for treatment of 7.6 acres of non-jurisdictional public K-12, college and university school land areas.

⁶ 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%).

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 Methodology¹ 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, as part of reporting for C.11.b.iii(2), an estimate of the amount of mercury 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.

C.11.e ► Implement a Risk Reduction Program

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

¹BASMAA 2017. Interim Accounting Methodology for TMDL Loads Reduced, Version 1.1. Prepared for BASMAA by Geosyntec Consultants and EOA, Inc., March 23, 2017.

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 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 Methodology¹ was used to calculate the PCBs load reduced by each control measure implemented in our agency's jurisdictional area and the calculation results (i.e., the estimated PCBs load reduced by each control measure);
- 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.

¹BASMAA 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?	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.

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:

The City provides the SMCWPPP “Requirements for Architectural Copper” Fact Sheet to building permit applicants for roof replacement or new buildings and reviews building permit applications specifically for the use of copper architectural features, and provides guidance on the installation and maintenance of these features. Staff follows the City’s Enforcement Response Plan if Architectural Copper is found during any inspections or reported by the public.

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:

City provides the “Best Management Practices For Swimming Pools, Hot Tubs & Fountain Water Discharges,” available on the SMCWPPP website to educate the public, responds to discharges from pools through our illicit discharge detection and elimination program and requires all regulated projects to discharge pools, spas, and fountain water to the sanitary sewer.

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:

No facilities inspected resulted in the need for BMPs to be provided to businesses that describe methods of reducing copper in the environment.

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 City of Pacifica Planning and Building Departments assist developers and builders to comply with the State Water Efficient Landscape ordinance and the City's web site promotes efficient landscaping. The City has adopted policies and guidelines within the City of Pacifica Design Guidelines to address water conservation for new development.

The City of Pacifica continues to promote less toxic pest control and landscape management at all of our outreach events.

Refer to the C.3 New Development and Redevelopment, C.7. Public Information and Outreach and C.9. Pesticide Toxicity Control sections of Program's FY 2018-19 Annual Report as needed.

City of Pacifica

Potential Facilities List (i.e., List of All Facilities Requiring Stormwater Inspections)

Firm Name	Firm Address
24 Hour Fitness	555 Oceana
7 Eleven 2366-37265A	700 Hickey Boulevard
7-11 #2230/14318A Southland Corp.	100 Clarendon Road
7-Eleven, Store 2366-14337B	137 Manor Drive
8 Sushi	2470 Skyline Drive
A & M Screens	901-A Palmetto Avenue
A Grape In The Fog	400 Old County Road Suite 1
A Plus Transit, Inc.	323 Inverness Drive
A S E Construction Supply	4275 Coast Highway
A Well Adjusted Pet	1040 Palmetto Avenue
Able Window Inc.	580- C Crespi Drive
Advanced Mechanical Services Inc.	1620 Palmetto Avenue
All Care Veterinary Hospital Of Pacifica	225 Carmel Avenue
All Karz Automotive & Exhaust	1042 Palmetto Avenue
Alma Heights Christian Academy	1030 Lina Mar
Ambrose Flooring	520 San Pedro Avenue #4
American Sushi House	761 Hickey Boulevard
AT&T California -P2019	325 Reina Del Mar
Banfield Pet Hospital#5215	721 Hickey Boulevard
Bay Coffee Company	330 Palmetto Avenue
Beach Monkey Cafe	986 Linda Mar Boulevard
Big Guys Towing	1070 Palmetto Avenue
Bleyle Elevator Inc.	580 Crespi
Blue Moon Closet Systems, Inc.	580 Crespi Drive Unit F
Breakers	145 Rockaway Beach Avenue
Burger-Board	5430 Coast Highway
Cabrillo Elementary School	601 Crespi
Cafe Pacifica	1821 Palmetto Avenue
Cal Pacific Construction, Inc.	1009 Terra Nova Boulevard
Calee Board Factory	1117 Palmetto Avenue
Calera Creek Water Recycling Plant	700 Coast Highway
Camelot Fish & Chips, Ltd.	70 Manor Drive
Cheers	1249 Linda Mar Shopping Center
Chit-Chat Cafe	5 W Manor Drive
Chit-Chat Cafe @ The Pier	2100 Beach Boulevard
City Grill	1049 Terra Nova Boulevard
Clay Creations Studio	2316 Palmetto Avenue
Coast Highway Shell	4475 Coast Highway
Coastal Cat Clinic	1290 Danmann Avenue
Coastal Holistic Vet Services Inc.	1830-A Palmetto Avenue
Coastside Auto Repair And Service	505 Linda Mar Boulevard
Cold Stone Creamery	1319 Linda Mar Shopping Center
Colombo's Delicatessen	484 Manor Plaza
Crespi Mini Storage Rentals/Boxes	610 Crespi Drive
Curry & Kabab	745 Hickey Blow

City of Pacifica

Potential Facilities List (i.e., List of All Facilities Requiring Stormwater Inspections)

Firm Name	Firm Address
Custom Auto Care	200 Bancroft Way
Custom Binding & Die Cutting	901-B Palmetto Avenue
Devil's Slide Taproom	5560 Coast Highway Unit 1
Dial Glass & Window Company	1704 Palmetto Avenue
Dinosaurs Sandwiches LLC	50 Eureka Square
Dollar Tree #03847	787 Hickey Blvd
Domino's #7919	1301 Palmetto Avenue C
Eddie's Union 76 Service, Inc.	498 Palmetto Avenue
El Gran Amigo #2	1357 Linda Mar Center
El Grano De Oro	1710 Francisco Boulevard
El Toro Loco	1624 Francisco Boulevard
El Toro Loco #2	1780 Francisco Boulevard
Enterprise Rent-a-car	116-C W Manor Drive
Ernies Wine and Liquor	757 Fairmont Center
Esquivel Grading and Paving	4275 Pacific Coast Highway
Eureka Cleaners	160 Eureka Square
F M C Automotive Services	1137 Palmetto Avenue
Fog City Java	580 Crespi Drive A-1
Fog City Yogurt & More	1610 Francisco Boulevard
Gateway Shell	679 Hickey Boulevard
Go Sushi Japanese Restaurant	190 Eureka Square
Golden Gate Stables	650 Cape Breton Drive
Good & Healthy, L L C	200 Eureka Square
Good Fellas Pizza	1041 Terra Nova Boulevard
Gorilla Barbeque, L L C	2145 Coast Highway
Grand Hotpot Lounge	452 Manor Plaza
Grocery Outlet Of Pacifica	5550 Coast Highway
Guerrero's Taqueria	164 Reina Del Mar Avenue
Guerrero's Taqueria 2	713 Hickey Boulevard
Hack's Auto Body Inc.	118 Monterey Road
Heeling Star, LLC	446 Old County Road St 100
High Tide	5500 Coast Highway
Ingrid B Lacy Middle School	1427 Palmetto
International Church Of The Foursquare Gospel	830 Rosita Road
Jeff's Food Tea World	90-E Eureka Square
John The Sign Guy, L L C	1830 Palmetto Avenue Suite B
Ju Fu Restaurant	1045 Terra Nova Boulevard
Junior Chef Stars	1027 Terra Nova Boulevard
Kani Kosen	580 Crespi Drive A-5
Kay Heung Restaurant #2	446 Pacific Manor Plaza
Kenny's Cafe	640 Crespi Drive
Kibblewhite Precision Machining	580-H Crespi Drive
L & L Hawaiian Barbecue	1231 Linda Mar Shopping Center
La Mordida Pacifica, Inc.	535 Oceana Boulevard
La Playa Taqueria	5460 Cabrillo Highway

City of Pacifica

Potential Facilities List (i.e., List of All Facilities Requiring Stormwater Inspections)

Firm Name	Firm Address
Ledu Restaurant	749 Hickey Boulevard
Lighthouse Point Self-Storage	1221 Palmetto Avenue
Linda Mar Rehabilitation	751 San Pedro
Linda Mar School/Building Kids	830 Rosita Road
Linda Mar Veterinary Hospital	985 Linda Mar Boulevard
Lock It Up	1303 Palmetto Avenue
Lovey's Tea Shoppe	4430 Pacific Coast Highway
Luigi's Italian Restaurant	950 Linda Mar Boulevard
Masala Indian Cuisine	1235 Linda Mar Shopping Center
Mazzetti's Bakery	101 Manor Drive
McDonald's	125 Monterey Road
McDonald's #25945	576 Linda Mar Boulevard
MHC San Francisco RV Resort LP	700 Palmetto Ave.
Mike Lewis Concrete Construction	520 San Pedro Avenue
Miller And O'Brien	1518 A Francisco Boulevard
Millwood Ranch	One Picardo Ranch
Mind Body Spirit	1112 Palmetto Avenue
Mitsu	1301 Palmetto Avenue #D
Montessori School Of Linda Mar	1666 Higgins Way
Moonraker	105 Rockaway Beach Avenue
New Life Christian Fellowship	1125 Terra Nova Blvd
New Sun Valley (Sun Valley Dairy)	996 Linda Mar Boulevard
Nick's Restaurant	100 Rockaway Beach Avenue
North Coast County Water District	2400 Francisco
Ocean Fish Japanese Cuisine	455 Oceana Boulevard
Ocean Fresh Fish	2500 Francisco Boulevard
Ocean Shore School	411 Oceana
Oceana High School	401 Paloma
Oceana Pet Hospital	711 Oceana Boulevard
Oil Changers #303/Accts.Payable	2880 Skyline Drive
O'Reilly Auto Parts #3562	133 Manor Drive
Ortega Elementary School	1283 Terra Nova
Pacific Coast Painting & Waterproofing	520 San Pedro Avenue Suite 8
Pacific Java Cafe	450 Dondee Way
Pacific Manor Hardware	451 Oceana Boulevard
Pacific Self Storage	1295 Palmetto Avenue
Pacifica 76	765 Oddstad Boulevard
Pacifica Alliance	505 Linda Mar Boulevard
Pacifica Athletic Center	640 Crespi
Pacifica Automatic Transmission Shop	931 Palmetto Avenue
Pacifica Brewery	4627 Pacific Coast Highway
Pacifica Car Wash	340 Waterford Street
Pacifica Care Center, Inc. DbA	385 Esplanade
Pacifica Chevron	2095 Cabrillo Highway
Pacifica Chevron	100 Milagra Drive

City of Pacifica

Potential Facilities List (i.e., List of All Facilities Requiring Stormwater Inspections)

Firm Name	Firm Address
Pacifica Corp Yard	675 Oceana
Pacifica Pet Hospital	4300 Coast Highway
Pacifica Quick Mart Inc.	2480 Skyline Drive
Pacifica School District (Sodexo)	375 Reina Del Mar
Pacifica Shell	95 Bill Drake Way
Pacifica Thai Cuisine	1966 Francisco Boulevard
Pacifica Tire And Service Center	4455 Coast Highway
Pacifica U Save	81 Aura Vista
Paisanos	442 Manor Place
Palm City Restaurant	1328 Linda Mar Center
Panda Express #2636	500 Linda Mar Boulevard
Pedro Point Creative	1275-B Danmann Avenue
Pelons Barber Shop And Supply	1047 Terra Nova Boulevard
Perfect Pour	188 Clarendon Road
Pinnetti, L L C DbA Oceana Market	200 Eureka Square
P-Town Cafe	152 Reina Del Mar Avenue
Puerto 27	525 Crespi Drive A
Quick Stop Market	575 Crespi
R. P. Heating And Sheet Metal	1714 Palmetto Avenue
Rain Produce Sales	2309 Palmetto Avenue Suite A1
Raymond's Chinese Cuisine	1709 Palmetto Avenue
Recology Of The Coast	2305 Palmetto Avenue
Recology Of The Coast	1046 Palmetto
Reed Retailing, Inc. DbA	560 San Pedro Avenue
Rice N Roll	683 Manor Drive
Rite Aid	1400 Linda Mar (DbA Rite Aid P. O. Box 3165)
Rite Aid	200 Fairmont Shopping Center (DbA Rite Aid P. O. Box 3165)
Rock 'N' Robs	450 Dondee Way Suite 1
Rod Muscio Electrical Contractor	901-D Palmetto Avenue
Rosalind Bakery	450 Manor Plaza
Ross Dress for Less #0003	1410 Linda Mar Shopping Center
Round Table Pizza	1285 Linda Mar Shopping Center
Safeway Store #2843	709 Hickey Boulevard
Safeway Store #3008/Pacific Manor	12 Pacific Manor Shopping Center
Safeway Store #304/ Linda Mar	1380 Linda Mar Shopping Center
Salada Beach Cafe LLC	220 Paloma Avenue
Sally Beauty Supplies	1223 Linda Mar
Saltwater Bakery	1905A Palmetto Avenue
Sam's Chinese Kitchen	793 Hickey Boulevard
Sanford Tire & Brake Center, Inc.	705 Hickey Boulevard
Save-More Meat Market	74 W Manor Drive
Sea Bowl Pacifica Inc.	4625 Coast Highway
Seahorse Brewing Company	2017 Palmetto Avenue
Seaview Tire And Brake Center	66 Manor Drive
Shampa's Pies	1625 Palmetto Avenue #D

City of Pacifica

Potential Facilities List (i.e., List of All Facilities Requiring Stormwater Inspections)

Firm Name	Firm Address
Sharp Park Golf Course	HWY 1
Sharp Park Restaurant	Sharp Park Golf Course
Shelldance Gardens	2000 Highway 1
Simon's Auto Werks, Inc.	1518 Francisco Boulevard
SMCO PHHW	1046 Palmetto
Starbread	1261 Linda Mar Shopping Center
Starbucks Coffee #24132	549 Oceana Boulevard
Starbucks Coffee #5632	1227 Linda Mar S.C.
Starbucks Coffee #5971	791 Hickey Boulevard
Subway	1320 Linda Mar Shopping Center
Subway	330 Palmetto Avenue
Sun Valley Fine Foods	1015 Terra Nova Boulevard
Sun Valley Market	230 Reina Del Mar Avenue
Sunrise Cafe & Grill	1241 Linda Mar Shopping Center
Sunset Ridge School	340 Inverness
Sunshine Laundry Inc.	695 Manor Drive
Surf Lounge	77 Bill Drake Way
Sushi Koko	330 Palmetto Avenue Ste. A
Table Wine Merchant LLC	1237 Linda Mar Shopping Center
Taco Bell #30754	5200 Coast Highway
Tam's	494 Manor Plaza
Taqueria La Perla	330 Palmetto Avenue Ste A
Terra Nova High School	1450 Terra Nova Boulevard
The Cottage at Seaside	1300 Palmetto
The French Patisserie, Inc.	1080 Palmetto Avenue
The Green Enchilada	444 Manor Plaza
The Longboard Margarita Bar	180 Eureka Square
The Redeye Grill	446 Manor Plaza
The Rex Center	1040 Palmetto Avenue
The S Shop Inc.	1518 Francisco Boulevard
Toast Catering Event Management	404 San Pedro
Tom's Auto Body, Paint & Towing	2085 Cabrillo Highway
Tony's Mobile Auto Repair	1050- A Palmetto Avenue
Tripp Distillery	1121 Palmetto Avenue
Uoyakutei Japanese Restaurant L L C	4408 Coast Highway
Upper Crust Delicatessen	1023 Terra Nova Boulevard
Valleamar School	377 Reina Del Mar
Valleamar Station, Inc.	2125 Coast Highway
Van-go Painting	1125 Palmetto Avenue
Viva Italiano	67 Bill Drake Way
Walgreens - Pacifica	520 Palmetto
When The Cat's Away	4320 Coast Highway
Winters Tavern	1522 Francisco