



CITY OF HALF MOON BAY

City Hall • 501 Main Street • Half Moon Bay • CA • 94019

September 13, 2011

Regional Water Quality Control Board
1515 Clay Street, Suite 1400
Oakland, California 94621
Attn: Sue Ma

RE: Municipal Regional Stormwater Permit Annual Report Certification

Dear Ms. Ma;

The City of Half Moon Bay's annual report for the period ending June 30, 2011 is enclosed. It should provide information required by the Municipal Regional Permit, however, please contact me at (650)726-8265 or mosharma@hmbcity.com if additional information is needed.

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 assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or 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.

Sincerely,

Mo Sharma

Mo Sharma
City Engineer

ATTACHMENT B

Table of Contents

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

Permittee Name: City of Half Moon Bay

Section 1 – Permittee Information

Background Information			
Permittee Name:	City of Half Moon Bay		
Population:	11,400		
NPDES Permit No.:	CAS612008		
Order Number:	R2-2009-0074		
Reporting Time Period (month/year):	July/2010 through June/2011		
Name of the Responsible Authority:	Mo Sharma	Title:	City Engineer
Mailing Address:	501 Main Street		
City:	Half Moon Bay	Zip Code:	94019
		County:	San Mateo
Telephone Number:	650-726-8265	Fax Number:	650-726-8261
E-mail Address:	mosharma@hmbcity.com		
Name of the Designated Stormwater Management Program Contact (if different from above):	Muneer Ahmed	Title:	NPDES Coordinator
Department:	Engineering/ Public Works		
Mailing Address:	501 Main Street		
City:	Half Moon Bay	Zip Code:	94019
		County:	San Mateo
Telephone Number:	650-726-8266	Fax Number:	650-726-8261
E-mail Address:	muneer@csgengr.com		

Section 2 - Provision C.2 Reporting Municipal Operations

Program Highlights and Evaluation

Highlight/summarize activities for reporting year:

Summary:

Activities for the reporting period include: (a) Participation in the San Mateo Countywide Stormwater Program's Municipal Maintenance Subcommittee and Trash Work Group; (b) Participation in the San Francisco Estuary Partnership's Bay Area-wide Trash Capture Demonstration Project (c) Installation of Trash Capture Devices, (d) Coordination and oversight of street sweeping and SD Inlet cleaning activities, and (d) Cleanup of the Trash Hot Spot.

Participation in the BASMAA Municipal Operations Committee was provided by the SMCWPPP program. Refer to the C.2 Municipal Operations section of the countywide Program's FY 10-11 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 an **X** in the boxes next to implemented BMPs to indicate that these BMPs were implemented in applicable instances. If not applicable, type **NA** in the box. If one or more of these BMPs were not adequately implemented during the reporting fiscal year then indicate so and provide explanation in the comments section below:

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

Comments:

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

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

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

Comments:

The City did not wash sidewalks, plazas, parking lots, or City buildings during this reporting period.

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

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

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

Comments: Graffiti abatement is done by municipal staff and not through contractors.

C.2.d. ► Stormwater Pump Stations

Does your municipality own stormwater pump stations: Yes No

If your answer is **No** then skip to **C.2.e.**

Complete the following table for dry weather DO monitoring and inspection data for pump stations¹ (add more rows for additional pump stations):

Pump Station Name and Location	First inspection Dry Weather DO Data		Second inspection Dry Weather DO Data	
	Date	mg/L	Date	mg/L
Not Applicable				

Summarize corrective actions as needed for DO monitoring at or below 3 mg/L. Attach inspection records of additional DO monitoring for corrective actions:

Summary:

Attachments:

Complete the following table for wet weather inspection data for pump stations (add more rows for additional pump stations):

Pump Station Name and Location	Date (2x/year required)	Presence of Trash (Cubic Yards)	Presence of Odor (Yes or No)	Presence of Color (Yes or No)	Presence of Turbidity (Yes or No)	Presence of Floating Hydrocarbons (Yes or No)
Not Applicable						

¹ Pump stations that pump stormwater into stormwater collection systems or infiltrate into a dry creek immediately downstream are exempt from DO monitoring.

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

² Rural means any watershed or portion thereof that is developed with large lot home-sites, such as one acre or larger, or with primarily agricultural, grazing or open space uses.

C.2.f. ► Corporation Yard BMP Implementation			
Place an X in the boxes below that apply to your corporations yard(s):			
<input type="checkbox"/>	NA	We do not have a corporation yard	
<input type="checkbox"/>	NA	Our corporation yard is a filed NOI facility and regulated by the California State Industrial Stormwater NPDES General Permit	
<input checked="" type="checkbox"/>	X	We have a current Stormwater Pollution Prevention Plan (SWPPP) for the Corporation Yard(s)	
Place an X in the boxes below next to implemented SWPPP BMPs to indicate that these BMPs were implemented in applicable instances. If not applicable, type NA in the box. If one or more of the BMPs were not adequately implemented during the reporting fiscal year then indicate so and explain in the comments section below:			
<input type="checkbox"/>	NA	Control of pollutant discharges to storm drains such as wash waters from cleaning vehicles and equipment	
<input checked="" type="checkbox"/>	X	Routine inspection prior to the rainy seasons of corporation yard(s) to ensure non-stormwater discharges have not entered the storm drain system	
<input type="checkbox"/>	NA	Containment of all vehicle and equipment wash areas through plumbing to sanitary or another collection method	
<input checked="" type="checkbox"/>	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	
<input checked="" type="checkbox"/>	X	Cover and/or berm outdoor storage areas containing waste pollutants	
Comments:			
Vehicles are washed at a commercial car wash.			
If you have a corporation yard(s) that is not an NOI facility , complete the following table for inspection results for your corporation yard(s) or attach a summary including the following information:			
Corporation Yard Name	Inspection Date (1x/year required)	Inspection Findings/Results	Follow-up Actions
HMB Corp Yard	April 7, 2010	Corp Yard is in compliance with the SWPPP.	None.
HMB Corp Yard	October 20, 2010	Activities at the Corp yard are in compliance with the SWPPP. Two (2) additional spill prevention kits will be added. All materials are stored inside the building.	Municipal maintenance Staff monitors Corp Yard activities on an on-going basis to be in compliance with the SWPPP.

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

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

(For FY 10-11 Annual Report only) Provide a brief summary of the methods of implementation of Provisions C.3.a.i.(1)-(8).

Summary:

(1) Municipality's legal authority to implement C.3:

The City of Half Moon Bay has legal authority to implement provision C.3 through its Storm Water Management and Discharge Control Ordinance (Ord. 5-94), added in the Half Moon Bay Municipal Code as Chapter 13.15.

New Development requirements are also addressed, implemented and enforced through the City's Standard Conditions of Approval and the development review and approval process.

(2) Municipality's development review and permitting procedures, including use of conditions of approval or other enforceable mechanisms:

The City of Half Moon Bay reviews projects during early planning application stages to make a determination on regulated projects and applicability of provision C.3. These requirements are enforced through the development review process and conditions of approval.

During the project application stage, information is collected and reviewed for compliance using the following standard checklists developed by the Countywide program: (a) Impervious Surface Data Collection Form, (b) NPDES Checklist, (c) C.3 and C.6 compliance checklist, (d) HM Applicability Checklist, and (e) O&M Data Collection Form.

(3) How water quality effects and mitigation measures are addressed in environmental reviews (e.g., CEQA):

A CEQA Initial Study Checklist is prepared for the specific project when a planning application is submitted. The standard State CEQA Initial Study checklist and SMCWPPP guidance for CEQA review are utilized when considering potential storm water runoff impacts from the project. Permanent storm water quality controls and hydro modification measures if applicable are incorporated in CEQA reviews, and appropriate mitigation measures are added as project requirements.

(4) C.3 training for appropriate departments:

City Staff/Consultants attended the Stormwater O&M Treatment Measures Briefing, Stormwater Orientation Workshop and Hydrograph Modification Management Training provided by the SMCWPPP program. Staff also reviews C.3 requirements and regulations provided in the C.3 Stormwater Technical Guidance document prepared by SMCWPPP. Provision C.3 requirements are also reviewed and discussed during the early application stages for regulated projects. Applicants are also directed to the countywide storm water program website (www.flowstobay.org_bs_new_development.php) for C.3 guidance.

FY 2010-2011 Annual Report

Permittee Name: City of Half Moon Bay

(5) Outreach/education efforts to staff, developers, contractors, construction site operators and owner/builders:

Staff attends the SMCWPPP-New Development Subcommittee meetings and workshops to receive information and updates on C.3 regulations. Staff also reviews and utilizes the countywide storm water program website (www.flowstobay.org_bs_new_development.php) for C.3 guidance. During the planning application stage, storm water handouts and brochures developed by SMCWPPP are handed out to the applicant (developers, contractors, etc) and these requirements are discussed during the project development meetings. Applicants are also directed to the Countywide programs website for C.3 guidance, flyers and forms. NPDES checklist, C.3 and C.6 compliance checklist, Source Control Model List, Impervious Surface Data Collection Form, HM Applicability Checklist, and O&M Verification Forms are used. Flyers/brochures developed by SMCWPPP (New Stormwater requirements, changes to C.3 requirements, etc) are also used and distributed.

(6) How your municipality encourages site design measures at unregulated projects subject to Planning/Building Department review:

Site Design Measures at unregulated project are encouraged, recommended and implemented in accordance with the City of Half Moon Bay's Zoning Code Section 18.38.120 (Water Quality Protection).

The City also uses the NPDES checklist for unregulated projects. Section 11. A of this checklist specifies the minimum requirements for site design measures. Minimizing land disturbance and impervious surfaces encourage use of pervious surfaces for hardscape improvements, minimizing impervious surfaces from being directly connected to the storm drain system, and using bay friendly landscape design are some of the requirements.

(7) How your municipality encourages source control measures at unregulated projects subject to Planning/Building Department review:

Source Control Measures at unregulated project are encouraged, recommended and implemented in accordance with the City of Half Moon Bay's Zoning Code Section 18.38.120 (Water Quality Protection).

Projects subject to the development plan review are also encouraged to incorporate the appropriate source control measures from the Source control model list.

(8) General Plan revisions (if needed) to integrate water quality/watershed protection with water supply, flood protection, habitat protection, groundwater recharge, and other sustainable development principles and policies. Include dates of General Plan revisions.

Provisions to integrate water quality/watershed protection, water supply, flood protection, habitat protection, groundwater recharge, and other sustainable development principles are identified in the City of Half Moon Bay's Land Use Plan. Policies are identified in the following sections: Flood Protection (Chapter 4), Habitat Protection (Chapter 3), Water Supply (Chapter 9) etc.

FY 2010-2011 Annual Report
Permittee Name: City of Half Moon Bay

The City's Zoning Code implements these policies as defined within Chapter 18.38 - Coastal Resource Conservation Standards and Chapter 13.04 - Water Conservation and Landscaping Regulations.

C.3.b. ► Green Streets Status Report

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

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

Summary:

Currently, there are no pilot green street projects proposed in the City of HMB. Please refer to the C.3 New Development and Redevelopment section of the countywide program's FY 10-11 Annual Report for a description of activities conducted at the countywide or regional level.

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

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

Table C.3.b.v. (1) is attached.

C.3.c. Low Impact Development Reporting

Please refer to the SMCWPPP Countywide program annual reports and/or BASMAA summary report will describe the submittals made during FY 10-11 (i.e., Bio-treatment Soil Specifications, Special Projects Proposal, Feasibility/Infeasibility Criteria Report, and Green Roof Specifications).

FY 2010-2011 Annual Report

Permittee Name: City of Half Moon Bay

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

(1) Fill in attached table **C.3.h.iv.(1)** or attach your own table including the same information.
Table C.3.h.iv. (1) Is attached.

(2) On an annual basis, provide a discussion of the inspection findings for the year and any common problems encountered with various types of treatment systems and/or HM controls. This discussion should include a general comparison to the inspection findings from the previous year.

Summary:

No storm water treatment systems installed that required O&M inspections.

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

Summary:

No storm water treatment systems installed that required O&M verification inspections. An O&M verification Inspection Plan was developed in November 2010. The plan specifies prioritized inspections for each fiscal year as required by the MRP. Inspections in future years for any installed storm water treatment controls will be conducted in accordance with the O&M Plan.

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

No Regulated Projects were approved or constructed during this reporting period.

Project Name Project No.	Project Location ³ , Street Address	Name of Developer	Project Phase No. ⁴	Project Type & Description ⁵	Project Watershed ⁶	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft ²)	Total Replaced Impervious Surface Area (ft ²)	Total Pre- Project Impervious Surface Area ⁷ (ft ²)	Total Post- Project Impervious Surface Area ⁸ (ft ²)
Private Projects											
None to Report											
Public Projects											
None to Report											
Comments: No regulated projects were approved or constructed during this reporting period.											

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

³ Include cross streets

⁴ If a project is being constructed in phases, indicate the phase number and use a separate row entry for each phase. If not, enter "NA".

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

⁶ State the watershed(s) in which the Regulated Project is located. Optional but recommended: Also state the downstream watershed(s).

⁷ For redevelopment projects, state the pre-project impervious surface area.

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

Project Name Project No.	Application Deemed Complete Date ⁹	Application Final Approval Date ⁹	Source Control Measures ¹⁰	Site Design Measures ¹¹	Treatment Systems Approved ¹²	Operation & Maintenance Responsibility Mechanism ¹³	Hydraulic Sizing Criteria ¹⁴	Alternative Compliance Measures ^{15/16}	Alternative Certification ¹⁷	HM Controls ^{18/19}
Private Projects										
None to Report										

⁹ For private projects, state project application deemed complete date and final discretionary approval date.

¹⁰ List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.

¹¹ List site design measures approved for the project. Examples include: minimize impervious surfaces; conserve natural areas, including existing trees or other vegetation, and soils; construct sidewalks, walkways, and/or patios with permeable surfaces, etc.

¹² List all approved stormwater treatment system(s) to be installed onsite or at a joint stormwater treatment facility (e.g., flow through planter, bioretention facility, infiltration basin, etc.).

¹³ List the legal mechanism(s) (e.g., O&M agreement with private landowner; O&M agreement with homeowners' association; O&M by public entity, etc...) that have been or will be used to assign responsibility for the maintenance of the post-construction stormwater treatment systems.

¹⁴ See Provision C.3.d.i. "Numeric Sizing Criteria for Stormwater Treatment Systems" for list of hydraulic sizing design criteria. Enter the corresponding provision number of the appropriate criterion (i.e., 1.a., 1.b., 2.a., 2.b., 2.c., or 3).

¹⁵ For Alternative Compliance at an offsite location in accordance with Provision C.3.e.i.(1), on a separate page, give a discussion of the alternative compliance site including the information specified in Provision C.3.b.v.(1)(m)(i) for the offsite project.

¹⁶ For Alternative Compliance by paying in-lieu fees in accordance with Provision C.3.e.i.(2), on a separate page, provide the information specified in Provision C.3.b.v.(1)(m)(ii) for the Regional Project.

¹⁷ Note whether a third party was used to certify the project design complies with Provision C.3.d.

¹⁸ If HM control is not required, state why not.

¹⁹ If HM control is required, state control method used (e.g., method to design and size device(s) or method(s) used to meet the HM Standard, and description of device(s) or method(s) used, such as detention basin(s), bioretention unit(s), regional detention basin, or in-stream control).

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

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

Name of Facility/Site Inspected	Address of Facility/Site Inspected	Newly Installed? (YES/NO) ²⁰	Party Responsible ²¹ For Maintenance	Date of Inspection	Type of Inspection ²²	Type of Treatment/HM Control(s) Inspected ²³	Inspection Findings or Results ²⁴	Enforcement Action Taken ²⁵	Comments
None to Report.									

²⁰ Indicate “YES” if the facility was installed within the reporting period, or “NO” if installed during a previous fiscal year.

²¹ State the responsible operator for installed stormwater treatment systems and HM controls.

²² State the type of inspection (e.g., 45-day, routine or scheduled, follow-up, etc.).

²³ State the type(s) of treatment systems inspected (e.g., bioretention facility, flow-through planter, infiltration basin, etc...) and the type(s) of HM controls inspected, and indicate whether the treatment system is an onsite, joint, or offsite system.

²⁴ State the inspection findings or results (e.g., proper installation, improper installation, proper O&M, immediate maintenance needed, etc.).

²⁵ State the enforcement action(s) taken, if any, as appropriate and consistent with your municipality’s Enforcement Response Plan.

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

Program Highlights

Provide background information, highlights, trends, etc.

City of Half Moon Bay's business inspection plan and facilities list was updated in June 2011. Industrial and Commercial storm water inspections in the City are performed by the County Environmental Health Department. The City updates the list of new facilities that have a potential for storm water discharge violations. Coordination with the SMCEH, follow-up inspections and enforcement is done in accordance with the City's Enforcement Response Plan.

Refer to the C.4. Industrial and Commercial Site Controls section of the Program's FY 10-11 Annual Report for a description of activities of the countywide program and/or the BASMAA Municipal Operations Committee.

C.4.b.i. ► Business Inspection Plan

Do you have a Business Inspection Plan? Yes No

If No, explain:
N/A

C.4.b.iii.(1) ► Potential Facilities List

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

See attached.

C.4.b.iii.(2) ► Facilities Scheduled for Inspection

List below or attach your list of facilities scheduled for inspection during the current fiscal year.

See attached.

C.4.c.iii.(1) ► Facility Inspections

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

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

	Number	Percent
Number of businesses inspected	106	100%
Total number of inspections conducted	127	119%
Number of violations (excluding verbal warnings)	3	2.3%
Sites inspected in violation	3	
Violations resolved within 10 working days or otherwise deemed resolved in a longer but still timely manner	3	

Comments:

1. Environmental Health does not include verbal warnings as a violation. Verbal warnings are used as a reminder to the facility on ways to improve their BMPs and as a reminder to the inspector that a BMP was discussed at the last inspection and improvements in this area needs to be noted at the next scheduled inspection.
2. Unless otherwise noted on the Stormwater Inspection Report, multiple violations at a specific site will only be counted as one violation. Facilities with multiple violations will not be deemed resolved unless all violations have been corrected.

C.4.c.iii.(2) ► Frequency and Types/Categories of Violations Observed

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

Type/Category of Violations Observed	Number of Violations
Actual discharge (e.g. active non-stormwater discharge or clear evidence of a recent discharge)	0
Potential discharge and other	3

Comments:

Facilities with multiple discharges or multiple potential discharges will only be counted as one discharge or one potential discharge.

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

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

	Enforcement Action (as listed in ERP) ²⁶	Number of Enforcement Actions Taken	% of Enforcement Actions Taken²⁷
Level 1	Verbal Warning	1	
Level 2	Warning Notice or Administrative Action	3	
Level 3	Administrative Action with penalty and/or cost recovery	0	
Level 4	Legal Action	0	
Total		4	

C.4.c.iii.(3) ► Types of Violations Noted by Business Category

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

Business Category²⁸	Number of Actual Discharge Violations	Number of Potential/Other Discharge Violations
Restaurants	0	3
Building Materials Supply	0	1

C.4.c.iii.(4) ► Non-Filers

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

There were no industries identified as non-filers during scheduled inspections during this fiscal year.

²⁶ Agencies to list specific enforcement actions as defined in their ERPs.

²⁷ Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.

²⁸ List your Program's standard business categories.

C.4.d.iii ► Staff Training Summary			SMCEH Staff performs commercial/business storm water inspections in HMB	
Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance	Percent of Inspectors in Attendance

Potential Facilities List - C.4.b.iii.(1)

Half Moon Bay StormWater

Active Sites for Storm Water Inspections				106 Sites
Report run 6/30/2011				
GIN WAN CHINESE RESTAURANT	2810	HWY 1	HALF MOON BAY	FA0000314
HALF MOON BAY JOES	2380	HWY 1	HALF MOON BAY	FA0000377
OBESTER WINERY	12341	HWY 92	HALF MOON BAY	FA0000435
MCDONALDS	100	HWY 1	HALF MOON BAY	FA0000607
SEVEN ELEVEN STORE -#2230/2148	196	HWY 92	HALF MOON BAY	FA0000656
TOM & PETES PRODUCE	99	HWY 92	HALF MOON BAY	FA0000755
M COFFEE	522	MAIN	HALF MOON BAY	FA0000761
MAIN STREET GRILL	547	MAIN	HALF MOON BAY	FA0000762
CUNHAS COUNTRY GROCERY INC	448	MAIN	HALF MOON BAY	FA0000763
HILLTOP BAIT TACKLE DELI & GROCERY	251	HWY 92	HALF MOON BAY	FA0000771
BAY CHEVRON SERVICE #7927	375	HWY 1	HALF MOON BAY	FA0000997
THE SAN BENITO HOUSE	356	MAIN	HALF MOON BAY	FA0001888
MIRAMAR BEACH INN RESTAURANT	131	MIRADA	HALF MOON BAY	FA0002089
PRINCETON SEAFOOD, INC	9	JOHNSON PIER	HALF MOON BAY	FA0002107
HAPPY TACO	184	HWY 92	HALF MOON BAY	FA0002422
MULLINS BAR & GRILL	2	MIRAMONTES PONT	HALF MOON BAY	FA0002578
TRES AMIGOS	270	HWY 1	HALF MOON BAY	FA0002589
SAMS COFFEE SHOP	210	HWY 92	HALF MOON BAY	FA0002806
HALF MOON BAY BAKERY	514	MAIN	HALF MOON BAY	FA0002810
G BERTAS FRUIT STAND	12599	HWY 92	HALF MOON BAY	FA0002889
ROUND TABLE PIZZA	50	HWY 1	HALF MOON BAY	FA0002893
SILVA WHOLESALE FLORIST	1050	FRENCHMANS CREEK	HALF MOON BAY	FA0002965
BURGER KING	30	HWY 1	HALF MOON BAY	FA0003725
SAFEWAY STORE #308	70	HWY 1	HALF MOON BAY	FA0004114
SUNSHINE DONUTS	80	HWY 1	HALF MOON BAY	FA0004163
PASTA MOON	315	MAIN	HALF MOON BAY	FA0004653
PACIFIC BELL	525	KELLY	HALF MOON BAY	FA0005132
GREENHOUSE CLEANERS	80	HWY 1	HALF MOON BAY	FA0005371
BFI OX MOUNTAIN	12310	HWY 92	HALF MOON BAY	FA0005845
STRAW HAT PIZZA	186	HWY 92	HALF MOON BAY	FA0006271
SPANISH TOWN MEXICAN RESTAURAN	515	CHURCH	HALF MOON BAY	FA0006499
PROFESSIONAL AUTO CARE	125	MAIN	HALF MOON BAY	FA0007385
HALF MOON BAY FISH MARKET	99	HWY 92	HALF MOON BAY	FA0007922
T & E PASTORINO NURSERY	12511	HWY 92	HALF MOON BAY	FA0009412
CAL TRANS HMB MAIN STATION	2203	HWY 1	HALF MOON BAY	FA0009704
SEWER AUTHORITY MID COASTSIDE	1000	HWY 1	HALF MOON BAY	FA0009946
COAST TRANSMISSIONS	141	MAIN	HALF MOON BAY	FA0010122
NUNES WATER TREATMENT PLANT	500	LEWIS FOSTER	HALF MOON BAY	FA0010188
DEPARTMENT OF PARKS & REC	95	KELLY	HALF MOON BAY	FA0010201
TAQUERIA LA MEXICANA	250	HWY 1	HALF MOON BAY	FA0010231
CABRILLO UNIFIED SCHOOL DIST	498	KELLY	HALF MOON BAY	FA0010254
PHILS HALF MOON BAY TIRE & AU	422	PURISSIMA	HALF MOON BAY	FA0010338
HALF MOON BAY HIGH SCHOOL		LEWIS FOSTER	HALF MOON BAY	FA0010346
STOLOSKI & GONZALEZ	2660	HWY 1	HALF MOON BAY	FA0010467
SUBWAY	80	HWY 1	HALF MOON BAY	FA0011329
BAY CITY FLOWER CO INC	2265	HWY 1	HALF MOON BAY	FA0011678
HALF MOON BAY GRADING & PAVING INC	1780	HIGGINS PURISSIMA	HALF MOON BAY	FA0012062
LADIDA CAFE	500	PURISSIMA	HALF MOON BAY	FA0012467
ANDREINI BROS INC	151	MAIN	HALF MOON BAY	FA0012788
THE FLYING FISH GRILL	99	HWY 92	HALF MOON BAY	FA0012821
CHINA KITCHEN	80	HWY 1	HALF MOON BAY	FA0014156
CAMERONS INN	1410	HWY 1	HALF MOON BAY	FA0014248

Half Moon Bay StormWater

PG&E HALF MOON BAY SERVICE CTR	175	MAIN	HALF MOON BAY	FA0014569
PILARCITOS QUARRY	11700	HWY 92	HALF MOON BAY	FA0014903
RICE TRUCKING	2119	HWY 1	HALF MOON BAY	FA0015518
GINOS AUTO BODY & PAINT	334	PURISSIMA	HALF MOON BAY	FA0015592
BOBS FRESH VEGETABLES	2900	HWY 1	HALF MOON BAY	FA0015594
HALF MOON BAY AUTO REPAIR	149	MAIN	HALF MOON BAY	FA0015658
MOONSIDE BAKERY & CAFE	604	MAIN	HALF MOON BAY	FA0016198
ALVES PETROLEUM INC	245	HWY 92	HALF MOON BAY	FA0017214
MORE FOR LESS	501	KELLY	HALF MOON BAY	FA0017215
JAMES FORD INC	100	SEYMOUR	HALF MOON BAY	FA0017217
HALF MOON BAY SHELL	201	HWY 92	HALF MOON BAY	FA0017220
NURSERYMENS EXCHANGE INC	2651	HWY 1	HALF MOON BAY	FA0017225
HALF MOON BAY GOLF LINKS	2000	FAIRWAY	HALF MOON BAY	FA0017227
HALF MOON BAY ALLIANCE	120	HWY 92	HALF MOON BAY	FA0017229
HMB BUILDING GARDEN INC	119	MAIN	HALF MOON BAY	FA0017232
A REPETTO NURSERY	12351	HWY 92	HALF MOON BAY	FA0017238
LEMOS FARM	12320	HWY 92	HALF MOON BAY	FA0022555
ORLANDOS PLACITA MARKET	500	PURISSIMA	HALF MOON BAY	FA0023354
ANGELOS MUFFLER & LUBE	332	PURISSIMA	HALF MOON BAY	FA0023574
HALF MOON BAY COFFEE CO	20	STONE PINE RETAIL CENTER	HALF MOON BAY	FA0023875
GENERAL NUTRITION CTR #5631	80	HWY 1	HALF MOON BAY	FA0024112
CASEYS CAFE/SAMPLE THIS	328	MAIN	HALF MOON BAY	FA0024133
ANDREOTTI FAMILY FARM	329	KELLY	HALF MOON BAY	FA0024455
HMB SUBSTATION	175	MAIN	HALF MOON BAY	FA0024476
CUNHA SCHOOL		KELLY AND CHURCH	HALF MOON BAY	FA0024901
HATCH SCHOOL		MIRAMONTES	HALF MOON BAY	FA0024902
AZEVEDO FEED & TRUCKING	2415	HWY 1	HALF MOON BAY	FA0024970
PAULOS AUTO CARE	129	MAIN	HALF MOON BAY	FA0024973
GIUSTI FARMS	2475	HWY 1	HALF MOON BAY	FA0025256
BANGKOK HOUSE THAI CUISINE	20	STONE PINE	HALF MOON BAY	FA0025291
HALF MOON BAY POLICE DEPT	535	KELLY	HALF MOON BAY	FA0025464
RITZ CARLTON	1	MIRAMONTES POINT	HALF MOON BAY	FA0025521
PRINCETON WELDING, INC.	231	HARVARD	HALF MOON BAY	FA0025840
SIMPLY DELICIOUS SWEET & TREATS	80	HWY 1	HALF MOON BAY	FA0025872
MULLINS BAR & GRILL	2	MIRAMONTES POINT	HALF MOON BAY	FA0026094
CETRELLA RESTAURANT	845	MAIN	HALF MOON BAY	FA0026713
MV TRANSPORTATION, INC.	121	MAIN	HALF MOON BAY	FA0028247
CROWN CLEANERS	210	HWY 92	HALF MOON BAY	FA0028664
SMCO PHHW	12310	HIGHWAY 92	HALF MOON BAY	FA0029306
COASTSIDE FIRE DISTRICT, HMB	1191	MAIN	HALF MOON BAY	FA0029414
RITE AID CORPORATION	170	HWY 92	HALF MOON BAY	FA0029618
GIUSTI FARMS	1800	HIGGINS CANYON	HALF MOON BAY	FA0029633
RITZ CARLTON	1	MIRAMONTE POINT	HALF MOON BAY	FA0036737
POINT PILLAR PROPERTIES LLC	240	CAPISTRANO	HALF MOON BAY	FA0038691
PYRO SPECTACULARS	12344	HYW 92	HALF MOON BAY	FA0045476
AMERESCO	12310	HWY 92	HALF MOON BAY	FA0045669
CAFFINO	198	SAN MATEO	HALF MOON BAY	FA0046143
NANOS YOGURT SHACK	523	MAIN	HALF MOON BAY	FA0046296
HALF MOON BAY ORCHIDS	37K	FRENCHMANS CREEK	HALF MOON BAY	FA0046435
CVS #09216	60	HWY 1	HALF MOON BAY	FA0046657
HMB LUCKY 99 CENTS AND UP	160	SAN MATEO	HALF MOON BAY	FA0047099
MERCADO GUADALAJARA	225	CABRILLO	HALF MOON BAY	FA0047583
COOKING FOR FRIENDS LLC	103	HARVARD	HALF MOON BAY	FA0047895
BRIANAS RESTAURANT	523	CHURCH	HALF MOON BAY	FA0047912

Facilities Scheduled for Inspection - C.4.b.iii. (2)

FACILITY	ADDRESS	CITY	Record ID	Code	Staff
HALF MOON BAY GOLF LINKS	2000 FAIRWAY	HALF MOON BAY	PR0040436	1	PATRICK
HALF MOON BAY ORCHIDS	37K FRENCHMANS CREEK	HALF MOON BAY	PR0063152	1	PATRICK
SILVA WHOLESALE FLORIST	1050 FRENCHMANS CREEK	HALF MOON BAY	PR0040404	1	PATRICK
PRINCETON WELDING, INC.	231 HARVARD	HALF MOON BAY	PR0039114	1	PATRICK
GIUSTI FARMS	1800 HIGGINS CANYON	HALF MOON BAY	PR0050618	1	PATRICK
AZEVEDO FEED & TRUCKING	2415 HWY 1	HALF MOON BAY	PR0040451	1	PATRICK
BAY CHEVRON SERVICE #7927	375 HWY 1	HALF MOON BAY	PR0040402	1	PATRICK
CAL TRANS HMB MAIN STATION	2203 HWY 1	HALF MOON BAY	PR0040410	1	PATRICK
CVS #09216	60 HWY 1	HALF MOON BAY	PR0063487	1	PATRICK
NURSERYMENS EXCHANGE INC	2651 HWY 1	HALF MOON BAY	PR0040435	1	PATRICK
SAFEBAY STORE #308	70 HWY 1	HALF MOON BAY	PR0041704	1	BRENT R
STOLOSKI & GONZALEZ	2660 HWY 1	HALF MOON BAY	PR0040418	1	PATRICK
SUBWAY	80 HWY 1	HALF MOON BAY	PR0041714	1	BRENT R
ALVES PETROLEUM INC	245 HWY 92	HALF MOON BAY	PR0040427	1	PATRICK
AMERESCO	12310 HWY 92	HALF MOON BAY	PR0060580	1	PATRICK
BFI OX MOUNTAIN	12310 HWY 92	HALF MOON BAY	PR0040407	1	PATRICK
HALF MOON BAY ALLIANCE	120 HWY 92	HALF MOON BAY	PR0040437	1	PATRICK
HALF MOON BAY SHELL	201 HWY 92	HALF MOON BAY	PR0040433	1	PATRICK
RITE AID CORPORATION	170 HWY 92	HALF MOON BAY	PR0050582	1	PATRICK
T & E PASTORINO NURSERY	12511 HWY 92	HALF MOON BAY	PR0039287	1	PATRICK
PYRO SPECTACULARS	12344 HWY 92	HALF MOON BAY	PR0059466	1	PATRICK
PRINCETON SEAFOOD, INC	9 JOHNSON PIER	HALF MOON BAY	PR0039111	1	ALAN M
HALF MOON BAY POLICE DEPT	535 KELLY	HALF MOON BAY	PR0040454	1	PATRICK
MORE FOR LESS	501 KELLY	HALF MOON BAY	PR0040428	1	PATRICK
PACIFIC BELL	525 KELLY	HALF MOON BAY	PR0040405	1	PATRICK
NUNES WATER TREATMENT PLANT	500 LEWIS FOSTER	HALF MOON BAY	PR0040412	1	PATRICK
ANDREINI BROS INC	151 MAIN	HALF MOON BAY	PR0040419	1	PATRICK
HMB SUBSTATION	175 MAIN	HALF MOON BAY	PR0040448	1	PATRICK
PG&E HALF MOON BAY SERVICE CTR	175 MAIN	HALF MOON BAY	PR0040421	1	PATRICK
RITZ CARLTON	1 MIRAMONTE POINT	HALF MOON BAY	PR0053670	1	PATRICK

Proposed Stormwater Inspection List July 2011-June 2012

Name of Business	Address
BANGKOK HOUSE THAI CUISINE	20 STONE PINE #B
BRIANAS RESTAURANT	523 CHURCH ST
BURGER KING	30 N HWY 1
CAMERONS INN	1410 S HWY 1
CASEYS CAFE/SAMPLE THIS	328 MAIN ST
CETRELLA RESTAURANT	845 MAIN ST
CHINA KITCHEN	80 N HWY 1 U
GIN WAN CHINESE RESTAURANT	2810 N HWY 1
GINOS AUTO BODY & PAINT	334 PURISSIMA ST
HALF MOON BAY AUTO REPAIR	149 MAIN ST
HALF MOON BAY FISH MARKET	99 HWY 92
HALF MOON BAY JOES	2380 HWY 1
HALF MOON BAY SHELL	201 HWY 92
HAPPY TACO	184 HWY 92
JAMES FORD INC	100 SEYMOUR ST
LADIDA CAFE	500 PURISSIMA ST #C
LA BAMBA RESTAURANT AND BAR	211 HWY 92
MAIN STREET GRILL	547 MAIN ST
MCDONALDS	100 N HWY 1
HMB SPORTS GRILL	40 STONE PINE RD SUITE K
MOONSIDE BAKERY & CAFE	604 MAIN ST
MULLINS BAR & GRILL	2 MIRAMONTES POINT RD
PASTA MOON	315 MAIN ST
PROFESSIONAL AUTO CARE	125 MAIN ST A
RITZ CARLTON	1 MIRAMONTE POINT RD
ROUND TABLE PIZZA	50 HWY 1
SPANISH TOWN MEXICAN RESTAURANT	515 CHURCH ST
TAQUERIA LA MEXICANA	250 S HWY 1
THE FLYING FISH GRILL	99 HWY 92
TRES AMIGOS	270 N HWY 1
Chez Shea	408 Main St
F & J Kitchen, Inc.	3048 North Cabrillo Hwy
Its Italia Pizzeria	401 Main St
Jamba Juice 940	80 North Cabrillo Hwy
Mel's Hot Dogs	353 Myrtle St
Popeyes Famous Fried Chicken	118 San Mateo Rd
Sam's Chowder House	4210 North Cabrillo Hwy
Shiki Japanese Cuisine	20 Stone Pine Rd Unit #E
Sushi Main Street	696 Mill St

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

Program Highlights

Provide background information, highlights, trends, etc.

Activities conducted during this reporting period include (a) participation in the subcommittee meetings, (b) implementation of the storm water collection system screening program, and (c) coordination and oversight of the SD Inlet cleaning program.

Refer to the C.5 Illicit Discharge Detection and Elimination section of countywide program's FY 10-11 Annual Report for description of activities at the countywide or regional level.

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

List below or attach your complaint and spill response phone number and spill contact list.

Contact	Description	Phone Number
Larry carnahan	Public Works Superintendent	650-726-8260
PD Dispatch (Non-Emergency)	After Work Hours, Weekends and Holidays	650-726-8286

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

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

Description:

City's Public Works/Maintenance staff responds to public complaints or through field observations require implementation of BMPs recommended by the BASMAA Mobile Surface Cleaners Program. Follow-up and enforcement is done in accordance with the City's Enforcement Response Plan. The City does not hire Mobile Surface Cleaners.

Refer to the C.5 Illicit Discharge Detection and Elimination section of countywide program's FY 10-11 Annual Report for a description of efforts by countywide committees/work group and the BASMAA Municipal Operations Committee to address mobile businesses.

C.5.e.iii ► Evaluation of Collection System Screening Program

Provide a summary or attach a summary of your collection screening program, a summary of problems found during collection system screening and any changes to the screening program this FY.

Description:

The storm collection system screening form (C.5.e) developed by the Countywide program is used to inspect end of pipes, creeks, flood conveyances, storm drain inlets and catch basins during other routine maintenance and inspection activities when maintenance staff is working in or near the MS4 system. Type of trash and Estimated Trash Volume in SD Inlets is documented on these forms. Maintenance and/or cleanup is scheduled as needed.

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

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

	Number	Percentage
Discharges reported (C.5.f.iii.(1))	1	100%
Discharges reaching storm drains and/or receiving waters (C.5.f.iii.(2))	0	0%
Discharges resolved in a timely manner (C.5.f.iii.(3))	1	100%

Comments:

An abandoned motor oil container was found on the street. DPW staff cleaned the oil using absorbents. Discharge did not reach the SD system or receiving water.

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

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

Complaint/Spill/Discharge Tracking Spreadsheet is attached.

Section 6 – Provision C.6 Construction Site Controls

C.6.e.iii.1.a, b, c ▶ Site/Inspection Totals		
Number of sites disturbing < 1 acre of soil requiring storm water runoff quality inspection (i.e. High Priority) (C.6.e.iii.1.a)	Number of sites disturbing ≥ 1 acre of soil (C.6.e.iii.1.b)	Total number of storm water runoff quality inspections conducted (C.6.e.iii.1.c)
#	#	#
1	0	13
Comments: The City placed high priority for erosion/sediment controls on the Highway 1 median landscaping project because of its vicinity to the Pilarcitos creek. City required the contractor to improve maintenance of sediment control measures 7 times during inspections. No violations were found during construction.		

C.6.e.iii.1.d ▶ Construction Activities Storm Water Violations		
BMP Category	Number of Violations²⁹	% of Total Violations³⁰
Erosion Control	0	0
Run-on and Run-off Control	0	0
Sediment Control	0	0
Active Treatment Systems	0	0
Good Site Management	0	0
Non Stormwater Management	0	0
Total		

²⁹ Count one violation in a category for each site and inspection regardless of how many violations/problems occurred in the BMP category.

³⁰ Percentage calculated as number of violations in each category divided by total number of violations in all six categories.

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

	Enforcement Action (as listed in ERP) ³¹	Number Enforcement Actions Taken	% Enforcement Actions Taken ³²
Level 1	Verbal Warning	2	100%
Level 2			
Level 3			
Level 4			
Total		2	100%

C.6.e.iii.1.f, g ▶ Illicit Discharges

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

C.6.e.iii.1.h, i ▶ Violation Correction Times

	Number	Percent
Violations fully corrected within 10 business days after violations are discovered or otherwise considered corrected in a timely period (C.6.e.iii.1.h)	2	100 % ³³
Violations not fully corrected within 30 days after violations are discovered (C.6.e.iii.1.i)	0	0% ³⁴
Total number of violations for the reporting year³⁵	2	100%
Comments: Violations primarily consisted of maintenance of fiber rolls and the issues were resolved during the same inspection.		

³¹ Agencies should list the specific enforcement actions as defined in their ERPs.

³² Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.

³³ Calculated as number of violations fully corrected in a timely period after the violations are discovered divided by the total number of violations for the reporting year.

³⁴ Calculated as number of violations not fully corrected within 30 days after the violations are discovered divided by the total number of violations for the reporting year.

³⁵ Total number of violations equals the number of initial enforcement actions (i.e. one violation issued for several problems during an inspection at a site). It does not equal the total number of enforcement actions because one violation issued at a site may have a second enforcement action for the same violation at the next inspection if it is not corrected.

C.6.e.iii.(2) ► Evaluation of Inspection Data

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

Description:
 Typical BMP performance issues consisted of proper installation and maintenance of fiber rolls and straw wattles. Construction Inspector was on-site and the issues were resolved on the same day.

C.6.e.iii.(2) ► Evaluation of Inspection Program Effectiveness

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

Description:
 Activities conducted in FY 10-11 to implement the MRP requirements include 1) using standard SMCWPPP storm water construction inspection forms and inspection data tracking tools; 2) inspectors training, and 3) participation in the countywide program's committees/work groups. PW/Building Inspectors attended QSP training and CalBIG training workshops this reporting period. Refer to the C.6 Construction Site Control section of countywide program's FY 10-11 Annual Report for a description of activities at the countywide or regional level.

C.6.f ► Staff Training Summary

Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance	Percent of Inspectors in Attendance
APWA/SMCWPPP QSP-QSD Workshop	April 26 th and 27 th 2011	Correct uses of specific BMPs, proper installation and maintenance of BMPs, permit requirements.	1	100%
CalBIG Training	March 17 th 2011	Municipal Regional Permit: Stormwater Control Requirements for Construction Sites. Topics covered: permit requirements, enforcement response plans.	2 (Building and PW Dept)	100%

Section 7 – Provision C.7 Public Information and Outreach

C.7.b.ii.1 ▶ Advertising Campaign

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

Summary:

The following report developed by BASMAA is included within the C.7 Public Information and Outreach section of Program's FY 10-11 Annual Report: FY 10-11 Regional Outreach Strategic Plan

C.7.b.iii.1 ▶ Pre-Campaign Survey

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

Not required for this Annual Report

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

<input type="checkbox"/>	Survey report attached
<input type="checkbox"/>	Reference to regional submittal:

C.7.c ▶ Media Relations

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

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

Summary:

The following reports developed by SMCWPPP and BASMAA are included within the C.7 Public Information and Outreach section of Program's FY 10-11 Annual Report:

- FY 10-11 SMCWPPP Media Relations Report
- FY 10-11 BASMAA Regional Media Relations

C.7.d ► Stormwater Point of Contact

Summary of any changes made during FY 10-11:

The Program's point of contact has not changed.

C.7.e ► Public Outreach Events

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

Event Details	Description (messages, audience)	Evaluation of Effectiveness
<p>Provide event name, date, and location. Indicate if event is local, countywide or regional.</p> <p>The following outreach events were done on a countywide level by SMCWPPP and are included in the C.7 Public Information and Outreach section of Program's FY 10-11 Annual Report:</p> <ul style="list-style-type: none"> • FY 10-11 Coordination of California Coastal Cleanup Day in San Mateo County, September 25, 2010. • FY 10-11 Maker Faire at the County Expo Center, May 21-22, 2011. • FY 10-11 County Fair, June 11-19, 2011 	<p>Refer to the C.7 Public Information and Outreach section of Program's FY 10-11 Annual Report</p> <p>Public outreach events were promoted by providing informational brochures and flyers at City Hall, and through the City's website.</p>	<p>Refer to the C.7 Public Information and Outreach section of Program's FY 10-11 Annual Report</p>

Permittee Name: City of Half Moon Bay

<ul style="list-style-type: none"> Half Moon Bay Farmers Market, June 25, 2011 	Event Debrief is attached.	Event Debrief is attached.

C.7.f. ► Watershed Stewardship Collaborative Efforts

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

Evaluate effectiveness by describing the following:

- Efforts undertaken
- Major accomplishments

Summary:

During FY 10-11, SMCWPPP maintained and updated the online guide, [Environmental Resource Guide of Groups and Organizations in San Mateo County with Watershed Stewardship Efforts](#) to encourage public involvement in watershed volunteer efforts. In addition, all of the organization's events throughout the year were posted on the Program's popular "Community Events" page to publicize and encourage participation by county residents in local stewardship efforts.

C.7.g. ► Citizen Involvement Events

List the types of events conducted (e.g., creek clean up, storm drain inlet marking, native gardening etc.). Use the following table for reporting and evaluating citizen involvement events.

Event Details	Description	Evaluation of effectiveness
<p>Provide event name, date, and location. Indicate if event is local, countywide or regional</p> <p>The following report developed by SMCWPPP on the countywide citizen involvement event is included within the C.7 Public Information</p>	<p>Refer to the C.7 Public Information and Outreach section of Program's FY 10-11 Annual Report</p>	<p>Refer to the C.7 Public Information and Outreach section of Program's FY 10-11 Annual Report</p>

Permittee Name: City of Half Moon Bay

<p>and Outreach section of Program's FY 10-11 Annual Report:</p> <ul style="list-style-type: none"> • FY 10-11 Coordination of California Coastal Cleanup Day in San Mateo County, September 25, 2010 • FY 10-11 Community Action Grant 		
---	--	--

C.7.h. ► School-Age Children Outreach

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

Program Details	Focus & Short Description	Number of Students/Teachers reached	Evaluation of Effectiveness
<p>The following separate reports developed by SMCWPPP is included within the C.7 Public Information and Outreach section of the Program's FY 10-11 Annual Report:</p> <ul style="list-style-type: none"> • FY 10-11 Banana Slug String Band Elementary School Assembly Program • FY 10-11 Rock Steady Science High School In Class Presentations 	<p>Refer to the C.7 Public Information and Outreach section of Program's FY 10-11 Annual Report</p>		<p>Refer to the C.7 Public Information and Outreach section of Program's FY 10-11 Annual Report</p>

Environmental Health Pollution Prevention Outreach Tabling Event Debrief
SMCWPPP stormwater requirement section: C.7.e Public Outreach Events

Event information

Name of Event	Half Moon Bay Farmer's Market
Date	25-Jun-11
Hours (i.e. 8 - 4pm)	9 am to 1 pm
Location	Half Moon Bay Farmer's Market
Program (oil, stm, hhw, etc.)	Stm, oil, HHW

Event Contact Name	Erin
Organization	Coastside Farmer's Market
Phone	(650) 726-4895
Website or Email	farmersmarket@coastside.net

Setup & Parking

Vehicle Parking comments	Easy, parking is available right next to Farmer's Mkt
Load-in/Set-up time	15 Min

Public Turnout & Feedback

Total Event Attendance	Approx 1,000
# People Through Booth	110

Public Reaction/Questions/Comments:	This is a very friendly crowd. Many people were glad to hear of the upcoming Household Hazardous Waste Collection event taking place in a few weeks in the area. People were overall glad we were there and were very interested in a variety of the materials we
-------------------------------------	---

Event Summary and Evaluation

Description of Event and Vibe:	This is a Farmer's Market but also crafts people set up booths. There is live music and it acts as a social gathering spot for the community. People were low-key and friendly, and appear to be enjoying themselves. The overall size of the fair is 20 to 25 booths in all.
--------------------------------	---

Booth Location Summary:	We were located near the main entrance, close to the location of the Land Trust offices. A very good location.
-------------------------	--

Rate the following using a 1-5 scale (1 is bad, 5 is excellent)

Ease of Set up/Pre-event Organization	4
Booth Placement	5
Traffic Flow	5
Public Interest	4
Weather (if event is outdoors)	3, cool and overcast.
Overall Event	4

Assessment of the Effectiveness of Efforts

Check Rating Method <input checked="" type="checkbox"/>	Ways to Track Effectiveness
√	Number of participants
	Number of participants compared to previous years
	Reach a broad spectrum of the community
	Survey
√	Number of outreach materials given out
	Other:
	Other:
	Other:

Result Summary of Effectiveness

This is a mostly local crowd, pleased to hear about the upcoming HHW event, and interested in other materials we had available. It is a good way to reach San Mateo County residents, as not as many tourists come to the event because it is a small local market. It happens early enough to draw out mostly residents. Considering the size of the event, we spoke to an estimated 10% of the attendees, and it is a good way for the county programs to have a presence on the coast.

Marketing Opportunities Checklist

Free Media	
Pen TV event announcement	
Media Center	
Press Release (date, who)	
Stage Announcement	
Media Attention	
Promo posters posted	
Logo in Event Materials	
Newspaper Ads	
Other	
Other	

Section 8 - Provision C.8 Water Quality Monitoring

C.8 ► Water Quality Monitoring

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

Summary

During FY 10-11, we contributed through the countywide Program to the BASMAA Regional Monitoring Coalition (RMC). In addition, we contributed financially to the Regional Monitoring Program for Water Quality in the San Francisco Estuary (RMP) and were represented at RMP committees and work groups. For additional information on monitoring activities conducted by the Program, BASMAA RMC and the RMP, see the C.8 Water Quality Monitoring section of the Program's FY 10-11 Annual Report.

Section 9 – Provision C.9 Pesticides Toxicity Controls

C.9.a ▶ Adopt an Integrated Pest Management (IPM) Policy or Ordinance

Attach a copy of your individual IPM ordinance or policy. (Water Board staff requested resubmittal for FY 10-11.)	x	Attached	<input type="checkbox"/>	Not attached , explain below
If Not attached , explain:				
Describe mechanism for adopting/formalizing your agency's IPM ordinance or policy (e.g., department head approval, integration into SOPs, staff training: The IPM Policy and Standard Operating Procedures were adopted by the City Council through Resolution C-24-11. The Updated IPM Policy prepared by the SMCWPPP program is scheduled for City Council hearing and adoption at the October 2011 meeting.				

C.9.b ▶ Implement IPM Policy or Ordinance

Report implementation of IPM BMPs by showing trends in quantities and types of pesticides used, and suggest reasons for increases in use of pesticides that threaten water quality, specifically organophosphates, pyrethroids, carbaryl, and fipronil. A separate report can be attached as evidence of your implementation.
 Organophosphates, pyrethroids, carbaryl, and fipronil were not used.

Trends in Quantities and Types of Pesticides Used³⁶

Pesticide Category and Specific Pesticide Used	Amount ³⁷				
	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14
Organophosphates	0	0			
Pyrethroids	0	0			
Carbaryl	0	0			
Fipronil	0	0			

³⁶ Includes all municipal structural and landscape pesticide usage by employees and contractors.
³⁷ Weight or volume of the product or preferably its active ingredient, using same units for the product each year.

Permittee Name: City of Half Moon Bay

C.9.c ▶ Train Municipal Employees	
Enter the number of employees that applied or used pesticides (including herbicides) within the scope of their duties this reporting year.	2
Enter the number of these employees who received training on your IPM policy and IPM standard operating procedures within the last 3 years.	2
Enter the percentage of municipal employees who apply pesticides who have received training in the IPM policy and IPM standard operating procedures within the last three years.	100%

C.9.d ▶ Require Contractors to Implement IPM				
Did your municipality contract with any pesticide service provider in the reporting year?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
If yes, attach one of the following:				
<input type="checkbox"/>	Contract specifications that require adherence to your IPM policy and standard operating procedures, OR			
<input checked="" type="checkbox"/>	Copy(ies) of the contractors' IPM certification(s) or equivalent, OR			
<input type="checkbox"/>	Equivalent documentation.			
If Not attached , explain:				
Only structural pest control is done by a Contractor. IPM Certification for the contractor is attached.				

C.9.e ▶ Track and Participate in Relevant Regulatory Processes
Summarize participation efforts, information submitted, and how regulatory actions were affected OR reference a regional report that summarizes regional participation efforts, information submitted, and how regulatory actions were affected.
Summary:
During FY 10-11, we participated in regulatory processes related to pesticides through contributions to the countywide Program, BASMAA and CASQA. For additional information, see the Regional Pollutants of Concern Report submitted by BASMAA on behalf of all MRP Permittees.

C.9.f ▶ Interface with County Agricultural Commissioners			
Did your municipal staff observe any improper pesticide usage or evidence of improper usage (e.g., pesticides in storm drain systems, along street curbs, or in receiving waters) during this fiscal year?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>
If yes, provide a summary of improper pesticide usage reported to the County Agricultural Commissioner and follow-up actions taken to correct any violations. A separate report can be attached as your summary. N/A			

C.9.h.ii ▶ Public Outreach: Point of Purchase	
Provide a summary of public outreach at point of purchase, and any measurable awareness and behavior changes resulting from outreach (here or in a separate report); OR reference a report of a regional effort for public outreach in which your agency participates.	
Summary: The following reports developed by SMCWPPP and BASMAA summarize point of purchase outreach efforts. These reports are included within the C.9 Pesticides Toxicity Control section of Program's FY 10-11 Annual Report. <ul style="list-style-type: none"> • FY 10-11 IPM Store Partnership Program (SMCWPPP) • FY 10-11 "Our Water, Our World" Report (BASMAA) 	

C.9.h.vi ▶ Public Outreach: Pest Control Operators	
Provide a summary of public outreach to pest control operators and landscapers and reduced pesticide use (here or in a separate report); OR reference a report of a regional effort for outreach to pest control operators and landscapers in which your agency participates.	
Summary: See the C.9 Pesticides Toxicity Control section of Program's FY 10-11 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. The following separate reports developed by SMCWPPP summarize Pest Control Operator outreach efforts conducted during FY 10-11: <ul style="list-style-type: none"> • FY 10-11 Green Gardener Training Program Report. 	

Attachments C.9.a

1. IPM Policy and Standard Operating Procedures (Resolution C-24-11)
2. Updated IPM Policy
3. IPM Certificate - Structural Pesticide Control Contractor

-

-

RESOLUTION C-24- 11

**A RESOLUTION OF THE CITY COUNCIL OF HALF MOON BAY
ADOPTING INTEGRATED PEST MANAGEMENT POLICY**

WHEREAS, in furtherance of the National Pollutant Discharge Elimination System Permit process, San Mateo County and its incorporated cities have jointly developed a San Mateo Countywide Stormwater Pollution Prevention Program including a Model Integrated Pest Management Policy; and

WHEREAS, the City of Half Moon Bay wishes to adopt the San Mateo Countywide Stormwater Pollution Prevention Program Model Integrated Pest Management Policy to protect the health and safety of its employees and the general public, the environment and water quality, as well as provide sustainable solutions for pest control, through use of less toxic chemicals or other means, on properties owned or managed by the City to the maximum extent practicable.

NOW, THEREFORE, IT IS HEREBY DETERMINED AND RESOLVED, as follows:

The City Council of Half Moon Bay hereby adopts the Integrated Pest Management Policy and Standard Operating Procedures for its Implementation and pesticide use, attached hereto as an Exhibit

* * * * *

I, the undersigned, hereby certify that the forgoing Resolution was duly passed and adopted on the 17th day of May, 2011 by the City Council of Half Moon Bay by the following vote:

AYES, Councilmembers: Alifano, Fraser, Kowalczyk, Muller & Mayor Patridge

NOES, Councilmembers: _____

ABSTAIN, Councilmembers: _____

ABSENT, Councilmembers: _____

ATTEST:



Siobhan Smith, City Clerk



Naomi Patridge, Mayor



CITY OF HALF MOON BAY Administrative Policy

SUBJECT: Integrated Pest Management

BACKGROUND: In furtherance of the National Pollutant Discharge Elimination System (NPDES) permit process, San Mateo County, in conjunction with all incorporated cities in San Mateo County, prepared the San Mateo Countywide Stormwater Management Plan that includes a Pesticide Management Plan and performance standards for pesticide usage and integrated pest management. A component of these plans requires all member agencies to adopt an Integrated Pest Management policy and/or ordinance requiring integrated pest management techniques in municipal operations. The City of Half Moon Bay seeks to protect the health and safety of its employees and the general public, the environment and water quality, as well as provide sustainable solutions for pest control through the reduced use of pesticides on property owned or managed by the City to the maximum extent practicable.

POLICY: The City of Half Moon Bay has adopted an Updated Integrated Pest Management Policy as follows:

1. Employees implementing pest management operations will use Integrated Pest Management (IPM) techniques that emphasize non-pesticide alternatives and, when necessary, employ the least toxic chemicals. Preference will be given to contractors who implement IPM. City of Half Moon Bay departments and their contractors that apply pesticides will develop and maintain an active IPM Plan to ensure the long-term prevention and suppression of pest problems with minimum negative impacts on the health and safety of the community and environment. The City of Half Moon Bay will track employee and contractor pesticide use and prepare an annual report summarizing pesticide use and evaluating pest control activities performed.
2. The City of Half Moon Bay shall encourage pilot projects to demonstrate landscape and structural pest control alternatives, seeking to use the most recent technology, best management practices and least toxic methods for all pest control measures. Pilot projects should include an objective analysis of the effectiveness of the alternative techniques applied.
3. The City of Half Moon Bay will review its purchasing procedures, contracts or service agreements with pesticide applicators and employee training practices to determine what changes can be made to support the goal of pesticide reduction and promote the purchase and use of the least harmful chemicals.

4. The City of Half Moon Bay will perform educational outreach and/or support Countywide or regional efforts to educate residential and commercial pesticide users on a.) goals and techniques of IPM, and b.) pesticide related water quality issues.
5. Pesticides are defined as: any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any pest. Pests can be insects, rodents and other animals, unwanted plants (weeds), bacteria and fungi. The term pesticide applies to herbicides, fungicides, insecticides, rodenticides, molluscicides and other substances used to control pests. Antimicrobial agents are not included in the definition of pesticides. In general, the intent of antimicrobial agents is to reduce or mitigate the growth or development of microbial organisms. They are used to avoid health hazards and include indoor cleaning, spa and swimming pools, medical sterilizer and sanitizer products.
6. Integrated Pest Management (IPM) is an ecosystem-based strategy that focuses on long-term prevention of pests or their damage through a combination of techniques such as biological control, habitat manipulation, modification of cultural practices, and use of resistant varieties. Pesticides are used only after monitoring indicates they are needed according to established guidelines, and treatments are made with the goal of removing only the target organism. Pest control materials are selected and applied in a manner that minimizes risks to human health, to beneficial and non-target organisms, and the environment.

IMP techniques could include biological controls (e.g., ladybugs and other natural enemies or predators); physical or mechanical controls (e.g., hand labor or mowing); cultural controls (e.g., mulching, disking, or alternative plant type selection); and reduced risk chemical controls (e.g., soaps or oils).

7. City of Half Moon Bay owned or managed property includes but is not limited to parks and open space, roadsides, landscaped medians, flood control channels and other outdoor areas, as well as municipal buildings and grounds.

REFERENCES: San Francisco Bay Regional Water Quality Control Board NPDES Permit CAS0029921; Federal Clean Water Act and California Porter-Cologne Water Quality Control Act.

Submitted by:

Mo Sharma

Mo Sharma, City Engineer

Approved:

Laura Snideman

Laura Snideman, City Manager

Effective Date: February 1, 2011

City of Half Moon Bay
**Standard Operating Procedures for Pesticide Use and Implementation
of Municipality's Integrated Pest Management Policy**

Purpose: To minimize the use and reliance on pesticides that threaten water quality by implementing the city's policy for integrated pest management (IPM) by all municipal employees and contractors hired to manage pests on municipal property.

Responsible Parties: All city personnel that as part of their municipal job duties are authorized to plan, manage, and control pests including pesticide applications and all city personnel that administer municipal contracts for applying pesticide on municipal property.

Contracts & Contractors: Contracts shall include a requirement that the contractor shall adhere to the city's IPM policy. This will be accomplished by using the following procedures:

1. Include a copy or link to the municipality's IPM policy in the contractor solicitation documents, e.g., Request for Proposal or Request for Quote, and make it clear that the pest control services being solicited must comply with the IPM policy.
2. Include a copy of the municipality's IPM policy in the contract's specifications.
3. Meet with the contractor to review the City's IPM policy.

Municipal Employees: Municipal employees who are authorized to manage pests are required to implement the city's IPM policy. This will be accomplished by using the following procedures:

1. Use cultural practices and pest prevention measures to minimize the occurrence of pest problems.
2. Set a threshold of tolerance for pests.
3. Use biological and physical controls that are environmentally appropriate and economically feasible to control pests.
4. Use chemical control as a last resort, and then the least toxic product will be used. Where feasible for structural pest control, insecticides will be applied as containerized baits.
5. Avoid the use of pesticides that threaten water quality¹ especially in formulations and situations that pose a risk of contaminating stormwater runoff.
6. Train employees on IPM techniques, pesticides-related stormwater pollution prevention methods, the municipality's IPM policy, and these standard operating procedures.
7. As part of the municipality's annual report for the municipal regional stormwater permit, report on the IPM policy's implementation by showing trends in the quantities and types of pesticides used and suggest reasons for any increases in uses of pesticides that threaten water quality¹ (as required by municipal regional stormwater permit Provision C.9.b.).

¹ The municipal regional stormwater permit identifies the following pesticides as having a concern to water quality: "organophosphorous pesticides (chlorpyrifos, diazinon, and malathion); pyrethroids (bifenthrin, cyfluthrin, beta-cyfluthrin, cypermethrin, deltamethrin, esfenvalerate, lambda-cyfluthrin, beta-cyfluthrin, cypermethrin, deltamethrin, esfenvalerate, lambda-cyhalothrin, permethrin, and tralomethrin); carbamates (e.g., carbaryl); and fipronil." (Provision C.9)



DRAFT POLICY FOR ADOPTION IN OCTOBER 2011

San Mateo Countywide Water Pollution Prevention Program Model Integrated Pest Management (IPM) Policy

CITY OF HALF MOON BAY

GOAL

The City of Half Moon Bay seeks to protect the health and safety of its employees and the general public, the environment and water quality, as well as to provide sustainable solutions for pest control through the reduced use of pesticides on property including buildings owned or managed by the City/County by applying Integrated Pesticide Management principles and techniques. The municipal regional stormwater permit requires that the City of Half Moon Bay minimize reliance on pesticides that threaten water quality.

REQUIRED USE OF INTEGRATED PEST MANAGEMENT

Employees implementing pest management controls will use Integrated Pest Management (IPM) techniques that emphasize non-pesticide alternatives. Pesticides will only be used after careful consideration of non-chemical alternatives and then the least toxic chemicals that are effective shall be used. Pest control contractors hired by the City of Half Moon Bay are required to implement IPM to control pests. This will be achieved by hiring only IPM-certified pest control contractors or by including contract specifications requiring contractors to implement IPM methods.

The City of Half Moon Bay will establish written standard operating procedures for pesticide use to ensure implementation of this IPM policy and to require municipal employees and pest control contractors to comply with the standard operating procedures.

The City of Half Moon Bay will track employee and contractor pesticide use and prepare an annual report summarizing pesticide use and evaluating pest control activities performed consistent with the municipal regional stormwater permit's requirements.

The City of Half Moon Bay will review its purchasing procedures, contracts or service agreements with pest control contractors and employee training practices to determine what changes, if any, need to be made to support the implementation of this IPM Policy.

The City of Half Moon Bay will perform educational outreach and/or support Countywide or regional efforts to educate residential and commercial pesticide users on a) goals and techniques of IPM, and b) pesticide related water quality issues consistent with the municipal regional stormwater permit's requirements.

The IPM-based hierarchical decision making process that will be used to control pests will include the following:

1. Based on field observations evaluate locations and sites where pest problems commonly occur to determine pest population, size, occurrence, and natural enemy population, if

- present. Identify conditions that contribute to the development of pest populations, and decisions and practices that could be employed to manage pest populations
2. Design, construct, and maintain landscapes and buildings to reduce and eliminate pest habitats;
 3. Modify management practices including watering, mulching, waste management, and food storage to discourage the development of pest population;
 4. Modify pest ecosystems to reduce food, water sources, and harborage;
 5. Prioritize the use of physical controls such as mowing weeds, using traps, and installing barriers;
 6. Use biological controls to introduce or enhance a pests' natural enemies;
 7. When pest populations reach treatment thresholds (based on how much biological, aesthetic, economic or other damage is tolerable) non-pesticide management activities will be evaluated before considering the use of pesticides;
 8. When pesticides are necessary, select reduced risk pesticides and use the minimum amounts needed to be effective;
 9. Apply pesticides at the most effective treatment time, based on pest biology, monitoring, and other variables, such as weather, seasonal changes in wildlife use, and local conditions; and
 10. Whenever possible, use pesticide application methods, such as containerized baits, that minimize opportunities for mobilization of the pesticide in stormwater runoff.

Departments performing pest management activities will identify an IPM coordinator who is responsible for assisting staff with implementation of this IPM policy.

BACKGROUND

Pesticides are defined as: any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any pest. Pests can be insects, rodents and other animals, unwanted plants (weeds), bacteria or fungi. The term pesticide applies to herbicides, fungicides, insecticides, rodenticides, molluscicides and other substances used to control pests.

Integrated Pest Management (IPM) is an ecosystem-based strategy that focuses on long-term prevention of pests or their damage through a combination of techniques such as biological control, habitat manipulation, modification of cultural practices, and use of resistant varieties. Pesticides are used only after monitoring indicates they are needed according to established guidelines, and treatments are made with the goal of removing only the target organism. Pest control materials are selected and applied in a manner that minimizes risks to human health, beneficial and nontarget organisms, and the environment.

IPM techniques could include biological controls (e.g., ladybugs and other natural enemies or predators); physical or mechanical controls (e.g., hand labor or mowing, caulking entry points to buildings); cultural controls (e.g., mulching, alternative plant type selection, and enhanced cleaning and containment of food sources in buildings); and reduced risk chemical controls (e.g., soaps or oils).

City of Half Moon Bay owned or managed property/facility includes but is not limited to parks and open space, golf courses, roadsides, landscaped medians, flood control channels and other outdoor areas, as well as municipal buildings and structures.



GREENPRO

Eco-Effective Pest Control

Presenting this certificate of excellence to

The Terminix International Co.

in acknowledgment of your continuing efforts toward professional excellence and environmental awareness in the pest management industry. You have met the GreenPro testing requirements for eco-effective pest control.



official signature



Section 10 - Provision C.10 Trash Load Reduction

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

(For FY 10-11 Annual Report only) Provide description of actions/tasks initiated/conducted/completed in developing a Short-Term Trash Loading Reduction Plan (due February 1, 2012).

Description:

See the C.10 Trash Load Reduction section of Program's FY 10-11 Annual Report for information on countywide and regional activities conducted on behalf of co-permittees.

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

(For FY 10-11 Annual Report only) Provide description of actions/tasks initiated/conducted/completed to gather trash loading data and in developing a Baseline Trash Load and Trash Load Reduction Tracking Method (due February 1, 2012).

Description:

See the C.10 Trash Load Reduction section of Program's FY 10-11 Annual Report for information on countywide and regional activities conducted on behalf of co-permittees.

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

(For FY 10-11 Annual Report and Each Annual Report Thereafter) Provide description of actions/tasks initiated/conducted/completed in implementing Minimum Full Trash Capture Devices (due July 1, 2014) within individual jurisdictions. Include information on Full Trash Capture Devices installed under Bay-area Wide Trash Capture Demonstration Project administered by San Francisco Estuary Partnership.

Description:

The City of Half Moon Bay participated in the San Francisco Estuary Partnership's Bay Area-wide Trash Capture Demonstration Project. Trash Capture Devices were installed in August 2011.

See the C.10 Trash Load Reduction section of Program's FY 10-11 Annual Report for information on countywide and regional activities conducted on behalf of co-permittees.

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

(For FY 10-11 Annual Report and Each Annual Report Thereafter) Provide volume of material removed from each Trash Hot Spot cleanup, and the dominant types of trash (e.g., glass, plastics, paper) removed and their sources to the extent possible.

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

Trash Hot Spot	Cleanup Date	Volume of Material Removed	Dominant Type of Trash	Trash Sources (where possible)
Site ID # HMB-PC1	02/09/11	4.9CY	Paper and cardboard, plastic products and bottles	Littering, illegal dumping, upstream sources, homeless encampments.
Site ID # HMB-PC1	02/09/11	3.5CY	Large Items, Metal Products	Illegal dumping and homeless encampments.

C.10.d ► Summary of Trash Load Reduction Actions

Provide summary of new trash load reduction actions or increased levels of implementation of existing actions that were implemented after adoption of the MRP (control measures and best management practices) including the types of actions and levels of implementation, and the total trash loads and dominant types of trash removed from each type of action.

Suggested trash load reduction actions to track and report may include:

- Anti-litter Campaigns
- Anti-litter/Dumping Enforcement Activities
- Curbside Recycling Programs
- Education and Outreach Efforts
- Free Trash Pickup/Dropoff Days
- County HHW Program Activities
- Improved Trash Bin Management
- Inspection/Maintenance of Storm Drain Outfalls
- Litter Pickup and Control
- Removal of Homeless Encampments
- Solid Waste Recycling Efforts
- Source Controls/Bans/Prohibitions
- Storm Drain Operation and Maintenance
- Storm Drain Signage/Marking
- Street Sweeping Activities
- Trash Removal from Receptacles
- Volunteer Creek Cleanups

Type of Trash Load Reduction Action	Date of First Implementation	Level of Implementation (specify if level was increased after MRP adoption)	Total Trash Load Removed by Action	Dominant Types of Trash Removed by Action
<ul style="list-style-type: none"> • Inspection and Maintenance of SD Inlets 	Existing Program from previous years	All 162 SD Inlets are inspected and cleaned annually.	Trash loads removed" were not tracked for all trash load reduction actions this fiscal year.	Leaf litter, Plastic bags, food containers
<ul style="list-style-type: none"> • Street Sweeping Activities 	Existing Program from previous years	Residential Public Streets are swept once a month and Downtown commercial streets are swept once a week.	Once the Trash Load Reduction Tracking Method is developed (see Provision C.10.a.ii), trash loads removed will be documented for each load reduction action.	Leaf litter, paper and Plastic bags
<ul style="list-style-type: none"> • Storm drain inlet markings 	Existing Program from previous years	SD Inlet markings are inspected and maintained at above 80% every year, and replaced if needed.	See the Program's	NA

<ul style="list-style-type: none"> • Styrofoam Ban 	<p>New Program</p>	<p>The City adopted a Styrofoam ban for commercial establishments.</p>	<p>FY10-11 Annual Report for schedule.</p>	
<ul style="list-style-type: none"> • Volunteer Creek Cleanups 	<p>Existing Program</p>	<p>Volunteer creek cleanup was done during this reporting period. This was in addition to the trash hot spot cleanup.</p>		

Section 11 - Provision C.11 Mercury Controls

C.11.a.i ► Mercury Recycling Efforts

List below or attach lists of efforts to promote, facilitate, and/or participate in collection and recycling of mercury containing devices and equipment at the consumer level (e.g., thermometers, thermostats, switches, bulbs).

Refer to FY 10-11 Program Annual Report for a list of mercury collection and recycling efforts conducted countywide and regionally.

The City of Half Moon Bay also promotes proper handling and disposal of mercury-added thermostats through the building and demolition permit process. Information prepared by California DTSC detailing the requirements for contractors and demolition professionals in the Mercury Thermostat Collection Act of 2008 is utilized.

C.11.a.ii ► Mercury Collection

Provide an estimate of the mass of mercury collected through these efforts, or provide a reference to a report containing this estimate.

Amount collected:

A draft technical memorandum describing initial load reduction quantification methods for PCBs and mercury was submitted to the Water Board in the BASMAA FY 2009-10 Regional POCs and Monitoring Annual Report supplement. Written comments from Water Board and Permittee staff were received on the technical memorandum. In FY 2011-12, BASMAA member agencies plan to revise methods presented in the draft memorandum in response to the comments. Once the methods are completed, they will be used to estimate loads removed via the collection/recycling of mercury-containing products. See the FY 2010-11 Countywide Program Annual Report and BASMAA Regional POCs and Monitoring Annual Report supplement for more information.

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

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

Summary

A summary of countywide Program and regional accomplishments for these sub-provisions are included within the C.11 Mercury Controls section of Program's FY 10-11 Annual Report and/or the BASMAA Regional POC Report.

Section 12 - Provision C.12 PCBs Controls

C.12.a.i.iii ► Municipal Inspectors Training

(For FY 09-10 Annual Report only) List below or attach description of results of training municipal industrial inspectors to identify, in the course of their existing inspections, PCBs or PCB-containing equipment.

Description:

In FY 09-10, inspector training materials were developed by BASMAA and provided in the FY 09-10 BASMAA Regional POC Report. A description of efforts to train municipal industrial inspectors was provided in FY 09-10 permittee and/or Program Annual Reports.

C.12.a.ii.iii ► Ongoing Training

(For FY 10-11 Annual Report and Each Annual Report Thereafter) List below or attach description of ongoing training development and inspections for PCB identification, including documentation and referral to appropriate regulatory agencies (e.g. county health departments, Department of Toxic Substances Control, California Department of Public Health, and the Water Board) as necessary.

Description:

See the FY 10-11 Program Annual Report for a description of training provided countywide and/or regionally, and report on any local training efforts, if applicable.

- C.12.b ▶ Conduct Pilot Projects to Evaluate Managing PCB-Containing Materials and Wastes during Building Demolition and Renovation Activities**
- C.12.c ▶ Pilot Projects to Investigate and Abate On-land Locations with Elevated PCB Concentrations**
- C.12.d ▶ Conduct Pilot Projects to Evaluate and Enhance Municipal Sediment Removal and Management Practices**
- C.12.e ▶ Conduct Pilot Projects to Evaluate On-Site Stormwater Treatment via Retrofit**
- C.12.f ▶ Diversion of Dry Weather and First Flush Flows to POTWs**
- C.12.g ▶ Monitor Stormwater PCB Pollutant Loads and Loads Reduced**
- C.12.h ▶ Fate and Transport Study of PCBs In Urban Runoff**
- C.12.i ▶ Development of a Risk Reduction Program Implemented Throughout the Region**

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

Summary

A summary of countywide Program and regional accomplishments for these sub-provisions are included within the C.12 PCB Controls section of Program's FY 10-11 Annual Report and/or the BASMAA Regional POC Report.

Section 13 - Provision C.13 Copper Controls

C.13.a.i and iii ► Legal Authority: Architectural Copper

(For FY 10-11 Annual Report only) Do you have adequate legal authority to prohibit discharge of wastewater to storm drains generated from the installation, cleaning, treating, and washing of the surface of copper architectural features, including copper roofs to storm drains?

X	Yes		No
---	------------	--	-----------

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

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

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

X	Yes		No
---	------------	--	-----------

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

C.13.c ► Vehicle Brake Pads

Reported in a separate regional report.
 A summary of the countywide Program's participation with the Brake Pad Partnership (BPP) is included within the C.13 Copper Controls section of Program's FY 10-11 Annual Report and/or the BASMAA Regional POC Report.

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

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

Summary
 There were no facilities identified as potential users or sources of copper this reporting period.

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

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

Summary

A summary of the countywide Program and/or regional efforts to develop regional studies to reduce copper pollutant impact uncertainties is included within the C.13 Copper Controls section of Program's FY 10-11 Annual Report and/or BASMAA Regional POC Report.

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

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

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

Summary

A summary of the countywide Program and regional efforts related to the Control Program for PBDEs, Legacy Pesticides and Selenium is included within the C.14 PBDE, Legacy Pesticides and Selenium section of Program's FY 10-11 Annual Report and/or BASMAA Regional POC Report.

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

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

Is your agency a water purveyor?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
If No , skip to C.15.b.vi.(2):				
If Yes , Complete the attached reporting tables or attach your own table with the same information. Provide any clarifying comments below.				
Comments:				

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

<p>Provide implementation summaries of the required BMPs to promote measures that minimize runoff and pollutant loading from excess irrigation. Generally the categories are:</p> <ul style="list-style-type: none"> • Promote conservation programs • Promote outreach for less toxic pest control and landscape management • Promote use of drought tolerant and native vegetation • Promote outreach messages to encourage appropriate watering/irrigation practices • Implement Illicit Discharge Enforcement Response Plan for ongoing, large volume landscape irrigation runoff.
<p>Summary:</p> <p>Implementation of BMP's that promote measures to minimize runoff and pollutant loading from excess irrigation is addressed the Half Moon Bay Municipal Code Chapter 13.04 – Water Conservation in Landscaping Regulations. Conservation programs are also addressed in the City's Land Use Plan.</p>

