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County of Alameda  
Alameda County Flood  
Control and Water  
Conservation District  
Zone 7 Water Agency

CITY OF ALBANY  
FISCAL YEAR  
2013-2014 ANNUAL  
REPORT OF  
STORMWATER  
PROGRAM  
IMPLEMENTATION

Submitted to:  
California Regional Water  
Quality Control Board, San  
Francisco Bay Region  
September 15, 2014

# ALBANY CALIFORNIA

CITY OF ALBANY



COMMUNITY DEVELOPMENT

1000 SAN PABLO AVENUE  
ALBANY, CA 94706  
510 528-5760

[www.AlbanyCA.org/cd](http://www.AlbanyCA.org/cd)

September 15, 2014

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

Dear Mr. Wolfe:

Enclosed please find a copy of the City of Albany clean water annual report for FY 2013/2014.

For the purpose of transmittal of this information to the United States Environmental Protection Agency, the following certification is provided:

I certify under penalty of law that this document and all attachments were prepared under my direction of 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 directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true accurate and complete<sup>1</sup>. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If there are questions concerning the report, please contact me at (510) 528-5754.

Sincerely,

Claire Griffing  
Sustainability & Transportation Coordinator

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<sup>1</sup> Note that projects still in review are likely to change as a result of the review process, and that the information provided is based on the version of the project plans on file with the municipal agency on the date this report was submitted.

**ATTACHMENT B**

**Table of Contents**

<b>Section</b>	<b>Page</b>
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

Section 1 – Permittee Information

Background Information				
<b>Permittee Name:</b>	City of Albany			
<b>Population:</b>	18,539			
<b>NPDES Permit No.:</b>	CAS612008			
<b>Order Number:</b>	R2-2009-0074R			
<b>Reporting Time Period (month/year):</b>	July 2013 through June 2014			
<b>Name of the Responsible Authority:</b>	Claire Griffing	<b>Title:</b>	Sustainability Coordinator	
<b>Mailing Address:</b>	1000 San Pablo Avenue			
<b>City:</b>	Albany	<b>Zip Code:</b>	94706	<b>County:</b> Alameda
<b>Telephone Number:</b>	510-528-5754	<b>Fax Number:</b>	510-524-9359	
<b>E-mail Address:</b>	cgriffing@albanyca.org			
<b>Name of the Designated Stormwater Management Program Contact (if different from above):</b>		<b>Title:</b>		
<b>Department:</b>				
<b>Mailing Address:</b>				
<b>City:</b>		<b>Zip Code:</b>		<b>County:</b> Alameda
<b>Telephone Number:</b>		<b>Fax Number:</b>		
<b>E-mail Address:</b>				

**Section 2 - Provision C.2 Reporting Municipal Operations**

**Program Highlights and Evaluation**

Highlight/summarize activities for reporting year:

Summary:  
 The City's maintenance staff work in coordination with environmental resources staff to stay apprised of any stormwater related issues/new programs. The City provides durable signage for residents to place at the curb on street sweeping day. See Section C.2 Municipal Operations of the Countywide Program's FY 13/14 Annual Report for a summary of Program activities.

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

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

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

Comments:  
 The City contracts out for most road repair (except for very small potholes). A construction manager is always on site during road maintenance projects to ensure proper practices.

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

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

<b>Y</b>	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
<b>Y</b>	Implementation of the BASMAA Mobile Surface Cleaner Program BMPs

Comments:

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

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

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

Comments:

**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 stations<sup>1</sup> (add more rows for additional pump stations). If a pump station is exempt from DO monitoring, explain why it is exempt.

Pump Station Name and Location	First inspection Dry Weather DO Data		Second inspection Dry Weather DO Data	
	Date	mg/L	Date	mg/L

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)

<sup>1</sup> DO monitoring is exempted where all discharge from a pump station remains in a stormwater collection system or infiltrates into a dry creek immediately downstream.

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

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

<b>C.2.f. ► Corporation Yard BMP Implementation</b>			
Place an <b>X</b> in the boxes below that apply to your corporations yard(s):			
<input type="checkbox"/>	We do not have a corporation yard		
<input type="checkbox"/>	Our corporation yard is a filed NOI facility and regulated by the California State Industrial Stormwater NPDES General Permit		
<input checked="" type="checkbox"/>	We have a <b>Stormwater Pollution Prevention Plan (SWPPP)</b> for the Corporation Yard(s)		
Place an <b>X</b> in the boxes below next to implemented SWPPP BMPs to indicate that these BMPs were implemented in applicable instances. If not applicable, type <b>NA</b> in the box. If one or more of the BMPs were not adequately implemented during the reporting fiscal year then indicate so and explain in the comments section below:			
<input checked="" type="checkbox"/>	Control of pollutant discharges to storm drains such as wash waters from cleaning vehicles and equipment		
<input checked="" type="checkbox"/>	Routine inspection prior to the rainy seasons of corporation yard(s) to ensure non-stormwater discharges have not entered the storm drain system		
<input checked="" type="checkbox"/>	Containment of all vehicle and equipment wash areas through plumbing to sanitary or another collection method		
<input checked="" type="checkbox"/>	Use of dry cleanup methods when cleaning debris and spills from corporation yard(s) or collection of all wash water and disposing of wash water to sanitary or other location where it does not impact surface or groundwater when wet cleanup methods are used		
<input checked="" type="checkbox"/>	Cover and/or berm outdoor storage areas containing waste pollutants		
Comments: The City does not routinely conduct maintenance at the Corp Yard site. All vehicle repair and equipment is sent to local repair shops.			
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
City of Albany Maintenance Center	9/30/13	Outside storage needs improvement. Given verbal notice.	Re-inspect in FY14-15

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

**C.3.b.v.(2)(a) ► 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:

The C.3 New Development and Redevelopment section of the Countywide program’s FY 13-14 Annual Report includes a description of activities conducted at the countywide or regional level.

The Green Street Pilot Project Summary Report submitted by BASMAA, on behalf of the MRP permittees, in BASMAA’s MRP FY 12-13 Regional Supplement – New Development and Redevelopment includes available information on the green street project constructed in our jurisdiction, including capital costs, O&M costs, legal and procedural arrangements to address O&M and its associated costs, and sustainable landscape measures.

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

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

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

*(For FY 11-12 Annual Report and each Annual Report thereafter)*

Is your agency choosing to require 100% LID treatment onsite for all Regulated Projects and not allow alternative compliance under Provision C.3.e.?

<b>X</b>	<b>Yes</b>	<input type="checkbox"/>	<b>No</b>
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Comments (optional):

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

1. Has your agency received, but not yet granted final discretionary approval of, a development permit application for a project that has been identified as a potential Special Project based on criteria listed in MRP Provision C.3.e.ii(2) for any of the three categories of Special Projects (Categories A, B or C)?		<b>Yes</b>	<input checked="" type="checkbox"/>	<b>No</b>
2. Has your agency granted final discretionary approval of a project identified as a Special Project in the March 15, 2014 report? If yes, include the project in both the C.3.b.v.(1) Table, and the C.3.e.vi. Table.		<b>Yes</b>	<input checked="" type="checkbox"/>	<b>No</b>
If you answered "Yes" to either question, 1) Complete Table C.3.e.vi . below. 2) Attach narrative discussion of 100% LID Feasibility or Infeasibility for each project.				

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

(1) Fill in attached table <b>C.3.h.iv.(1)</b> or attach your own table including the same information.
(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: A bioswale was installed as part of the Buchanan Bikeway Project. Staff inspects and maintains the bioswale once/month per a designated maintenance schedule. No issues have been recorded. A treatment system was installed at Toyota of Berkeley in June and passed the initial engineering inspection without issue.
(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: The O&M program works well, provided there is only one City project. When the project number increases, they City will reevaluate the effectiveness program and make any necessary adjustments.
(4) During the reporting year, did your agency:

<ul style="list-style-type: none"> <li>Inspect all newly installed stormwater treatment systems and HM controls within 45 days of installation?</li> </ul>	X	Yes		No		<b>Not applicable. No new facilities were installed.</b>
<ul style="list-style-type: none"> <li>Inspect at least 20 percent of the total number of installed stormwater treatment systems or HM controls?<sup>3</sup></li> </ul>	X	Yes		No		<b>Not applicable. No treatment measures</b>
<ul style="list-style-type: none"> <li>Inspect at least 20 percent of the total number of installed vault-based systems?</li> </ul>		Yes		No	X	<b>Not applicable. No vault systems.</b>
If you answered "No" to any of the questions above, please explain:						

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

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

Summary:

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

- BASMAA's site design fact sheets
- Stormwater Requirements Checklist Form for Small Projects
- C.3.i guidance Stormwater Quality Control Requirements: Information for Developers, Builders and Project Applicants

<sup>3</sup> If there is only 1 treatment measure in the jurisdiction, the agency must inspect it every year.

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

Project Name Project No.	Project Location <sup>10</sup> , Street Address	Name of Developer	Project Phase No. <sup>11</sup>	Project Type & Description <sup>12</sup>	Project Watershed <sup>13</sup>	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft <sup>2</sup> ) <sup>14</sup>	Total Replaced Impervious Surface Area (ft <sup>2</sup> ) <sup>15</sup>	Total Pre- Project Impervious Surface Area <sup>16</sup> (ft <sup>2</sup> )	Total Post- Project Impervious Surface Area <sup>17</sup> (ft <sup>2</sup> )
<b>Private Projects</b>											
Toyota of Berkeley PA 11-055	1025 Eastshore Hwy, Albany, CA 94710, between Buchanan St and Gilman St	Tim Southwick	N/A	This is an addition to existing dealership, and the project includes the new construction of a 8,304 sq. ft. small auto dealership with 63 surface parking spaces.	Codornices Creek/Frontal San Francisco Bay Estuaries	1	10,000 sq. ft	0	10,000 sq. ft	10,000 sq. ft	10,000 sq. ft
<b>Public Projects</b>											
None.											
Comments: None.											

<sup>10</sup> Include cross streets

<sup>11</sup> If a project is being constructed in phases, indicate the phase number and use a separate row entry for each phase. If not, enter "NA".

<sup>12</sup> Project Type is the type of development (i.e., new and/or redevelopment). Example descriptions of development are: 5-story office building, residential with 160 single-family homes with five 4-story buildings to contain 200 condominiums, 100 unit 2-story shopping mall, mixed use retail and residential development (apartments), industrial warehouse.

<sup>13</sup> State the watershed(s) in which the Regulated Project is located. Downstream watershed(s) may be included, but this is optional.

<sup>14</sup> All impervious surfaces added to any area of the site that was previously existing pervious surface.

<sup>15</sup> All impervious surfaces added to any area of the site that was previously existing impervious surface.

<sup>16</sup> For redevelopment projects, state the pre-project impervious surface area.

<sup>17</sup> For redevelopment projects, state the post-project impervious surface area.

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

Project Name Project No.	Application Deemed Complete Date <sup>18</sup>	Application Final Approval Date <sup>19</sup>	Source Control Measures <sup>20</sup>	Site Design Measures <sup>21</sup>	Treatment Systems Approved <sup>22</sup>	Type of Operation & Maintenance Responsibility Mechanism <sup>23</sup>	Hydraulic Sizing Criteria <sup>24</sup>	Alternative Compliance Measures <sup>25/26</sup>	Alternative Certification <sup>27</sup>	HM Controls <sup>28/29</sup>
<b>Private Projects</b>										
Toyota of Berkeley PA 11-055	November 7, 2013	December 2, 2013	Covers over maintenance bays and Bay- Friendly landscaping	Permeable surfaces	N/A	Land Owner O&M Responsibility	3 - Combination Flow/Volume	N/A	Matt Wheeler Engineering - report on file	Bio-Retention Unit constructed as part of treatment design
Comments: None.										

<sup>18</sup> For private projects, state project application deemed complete date. If the project did not go through discretionary review, report the building permit issuance date.

<sup>19</sup> For private projects, state project application final discretionary approval date. If the project did not go through discretionary review, report the building permit issuance date.

<sup>20</sup> List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.

<sup>21</sup> List site design measures approved for the project. Examples include: minimize impervious surfaces; conserve natural areas, including existing trees or other vegetation, and soils; construct sidewalks, walkways, and/or patios with permeable surfaces, etc.

<sup>22</sup> List all approved stormwater treatment system(s) to be installed onsite or at a joint stormwater treatment facility (e.g., flow through planter, bioretention facility, infiltration basin, etc.).

<sup>23</sup> List the legal mechanism(s) (e.g., O&M agreement with private landowner; O&M agreement with homeowners' association; O&M by public entity, etc...) that have been or will be used to assign responsibility for the maintenance of the post-construction stormwater treatment systems.

<sup>24</sup> See Provision C.3.d.i. "Numeric Sizing Criteria for Stormwater Treatment Systems" for list of hydraulic sizing design criteria. Enter the corresponding provision number of the appropriate criterion (i.e., 1.a., 1.b., 2.a., 2.b., 2.c., or 3).

<sup>25</sup> For Alternative Compliance at an offsite location in accordance with Provision C.3.e.i.(1), on a separate page, give a discussion of the alternative compliance site including the information specified in Provision C.3.b.v.(1)(m)(i) for the offsite project.

<sup>26</sup> For Alternative Compliance by paying in-lieu fees in accordance with Provision C.3.e.i.(2), on a separate page, provide the information specified in Provision C.3.b.v.(1)(m)(ii) for the Regional Project.

<sup>27</sup> Note whether a third party was used to certify the project design complies with Provision C.3.d.

<sup>28</sup> If HM control is not required, state why not.

<sup>29</sup> If HM control is required, state control method used (e.g., method to design and size device(s) or method(s) used to meet the HM Standard, and description of device(s) or method(s) used, such as detention basin(s), bioretention unit(s), regional detention basin, or in-stream control).

C.3.b.v.(1) ► Regulated Projects Reporting Table (part 2) – Projects Approved During the Fiscal Year Reporting Period (public projects)										
Project Name Project No.	Approval Date <sup>30</sup>	Date Construction Scheduled to Begin	Source Control Measures <sup>31</sup>	Site Design Measures <sup>32</sup>	Treatment Systems Approved <sup>33</sup>	Operation & Maintenance Responsibility Mechanism <sup>34</sup>	Hydraulic Sizing Criteria <sup>35</sup>	Alternative Compliance Measures <sup>36/37</sup>	Alternative Certification <sup>38</sup>	HM Controls <sup>39/40</sup>
<b>Public Projects</b>										
None.										
Comments: None.										

<sup>30</sup> For public projects, enter the plans and specifications approval date.

<sup>31</sup> List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.

<sup>32</sup> List site design measures approved for the project. Examples include: minimize impervious surfaces; conserve natural areas, including existing trees or other vegetation, and soils; construct sidewalks, walkways, and/or patios with permeable surfaces, etc.

<sup>33</sup> List all approved stormwater treatment system(s) to be installed onsite or at a joint stormwater treatment facility (e.g., flow through planter, bioretention facility, infiltration basin, etc.).

<sup>34</sup> List the legal mechanism(s) (e.g., maintenance plan for O&M by public entity, etc...) that have been or will be used to assign responsibility for the maintenance of the post-construction stormwater treatment systems.

<sup>35</sup> See Provision C.3.d.i. "Numeric Sizing Criteria for Stormwater Treatment Systems" for list of hydraulic sizing design criteria. Enter the corresponding provision number of the appropriate criterion (i.e., 1.a., 1.b., 2.a., 2.b., 2.c., or 3).

<sup>36</sup> For Alternative Compliance at an offsite location in accordance with Provision C.3.e.i.(1), on a separate page, give a discussion of the alternative compliance site including the information specified in Provision C.3.b.v.(1)(m)(i) for the offsite project.

<sup>37</sup> For Alternative Compliance by paying in-lieu fees in accordance with Provision C.3.e.i.(2), on a separate page, provide the information specified in Provision C.3.b.v.(1)(m)(ii) for the Regional Project.

<sup>38</sup> Note whether a third party was used to certify the project design complies with Provision C.3.d.

<sup>39</sup> If HM control is not required, state why not.

<sup>40</sup> If HM control is required, state control method used (e.g., method to design and size device(s) or method(s) used to meet the HM Standard, and description of device(s) or method(s) used, such as detention basin(s), bioretention unit(s), regional detention basin, or in-stream control).

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

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

<b>Name of Facility/Site Inspected</b>	<b>Address of Facility/Site Inspected</b>	<b>Newly Installed? (YES/NO)<sup>41</sup></b>	<b>Party Responsible<sup>42</sup> For Maintenance</b>	<b>Date of Inspection</b>	<b>Type of Inspection<sup>43</sup></b>	<b>Type of Treatment/HM Control(s) Inspected<sup>44</sup></b>	<b>Inspection Findings or Results<sup>45</sup></b>	<b>Enforcement Action Taken<sup>46</sup></b>	<b>Comments/Follow-up</b>
Buchanan Bikeway Bioswale	Buchanan Street/Marin Avenue between Pierce Street and San Pablo Avenue	YES	City of Albany	Monthly since installation	Routine	Bioswale/retention area	No issues, wildflowers and grasses get overgrown and are mowed as necessary.	None	None
Buchanan Bikeway Bioswale	Buchanan Street/Marin Avenue between Pierce Street and San Pablo Avenue	YES	City of Albany	10/24/13	45 Day	Bioswale/retention area	We requested the contractor to adjust the irrigation to not go beyond edge of bioswale.	Verbal Warning	Will re-inspect the following week
Buchanan Bikeway Bioswale	Buchanan Street/Marin Avenue between Pierce Street and San Pablo Avenue	YES	City of Albany	11/05/13	Re-inspection/ engineering inspection with water test	Bioswale/retention area	Re-inspection confirmed contractor made the necessary correction.	None	None
Toyota of Berkeley	1025 Eastshore Hwy, Albany, CA 94710, between Buchanan St and Gilman St	YES	Toyota of Berkeley	June 12, 2014	45 Day	Retention area	No issues.	None	Will be reinspected in FY14-15

<sup>41</sup> Indicate "YES" if the facility was installed within the reporting period, or "NO" if installed during a previous fiscal year.

<sup>42</sup> State the responsible operator for installed stormwater treatment systems and HM controls.

<sup>43</sup> State the type of inspection (e.g., 45-day, routine or scheduled, follow-up, etc.).

<sup>44</sup> 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.

<sup>45</sup> State the inspection findings or results (e.g., proper installation, improper installation, proper O&M, immediate maintenance needed, etc.).

<sup>46</sup> State the enforcement action(s) taken, if any.

C.3.e.vi.Special Projects Reporting Table												
Reporting Period – January 1 – June 30, 2013												
Project Name & No.	Permittee	Address	Application Submittal Date <sup>47</sup>	Status <sup>48</sup>	Description <sup>49</sup>	Site Total Acreage	Density DU/Acre	Density FAR	Special Project Category <sup>50</sup>	LID Treatment Reduction Credit Available <sup>51</sup>	List of LID Stormwater Treatment Systems <sup>52</sup>	List of Non-LID Stormwater Treatment Systems <sup>53</sup>
None.												

<sup>47</sup> Date that a planning application for the Special Project was submitted.

<sup>48</sup> Indicate whether final discretionary approval is still pending or has been granted, and provide the date or version of the project plans upon which reporting is based.

<sup>49</sup> Type of project (commercial, mixed-use, residential), number of floors, number of units, type of parking, and other relevant information.

<sup>50</sup> For each applicable Special Project Category, list the specific criteria applied to determine applicability. For each non-applicable Special Project Category, indicate n/a.

<sup>51</sup> For each applicable Special Project Category, state the maximum total LID Treatment Reduction Credit available. For Category C Special Projects also list the individual Location, Density, and Minimized Surface Parking Credits available.

<sup>52</sup> List all LID stormwater treatment systems proposed. For each type, indicate the percentage of the total amount of runoff identified in Provision C.3.d. for the Special Project's drainage area.

<sup>53</sup> List all non-LID stormwater treatment systems proposed. For each type of non-LID treatment system, indicate: (1) the percentage of the total amount of runoff identified in Provision C.3.d. for the Special Project's drainage area, and (2) whether the treatment system either meets minimum design criteria published by a government agency or received certification issued by a government agency, and reference the applicable criteria or certification.

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

**Program Highlights**

Provide background information, highlights, trends, etc.

See Section C.4 – Industrial and Commercial Site Control – of the ACCWP FY 13-14 Annual Report for a summary of Program activities. Staff conducted inspections within the commercial and industrial sectors per the City’s inspection plan. Additionally, the inspection plan was updated to account for business changes (vacancies/new businesses) using the current business license list. It was also updated to indicate inspections planned for the next FY (see attached). Inspection staff works in coordination with the City’s Environmental Resources staff to remain familiar with MRP requirements and to identify training needs. Inspection staff provides field training to additional backup staff to ensure consistency.

**C.4.b.i. ► Business Inspection Plan**

Do you have a Business Inspection Plan?  Yes  No

If No, explain:

**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.

**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.

**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.	
	<b>Number</b>	<b>Percent</b>
Number of businesses inspected		22
Total number of inspections conducted		23

Number of violations (excluding verbal warnings)	1	
Sites inspected in violation	1	4.5%
Violations resolved within 10 working days or otherwise deemed resolved in a longer but still timely manner	1	100%
<p>Comments:                  The auto repair shop in violation had uncovered tools and parts in their exterior storage area. A warning notice was given and the shop owner agreed to move parts indoors. There was no actual discharge. Inspection staff checked back in 10 days and everything had been moved inside.</p>		

**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.

<b>Type/Category of Violations Observed</b>	<b>Number of Violations</b>
Actual discharge (e.g. active non-stormwater discharge or clear evidence of a recent discharge)	0
Potential discharge and other	1
<p>Comments:                  Violations are grouped per site and considered as one discharge per inspection site. There was one potential discharge warning notice given to an auto repair shop for exposed tools and parts in an outdoor storage area. The issue was resolved in a timely manner. There were 3 potential discharge issues that were resolved with verbal warnings and resolved promptly. All were related to inadequate outdoor storage areas of trash or other materials.</p>	

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

Fill out the following table or attach a summary of the following information. **Do not leave any cells blank.**

	<b>Enforcement Action</b> (as listed in ERP) <sup>48</sup>	<b>Number of Enforcement Actions Taken</b>	<b>% of Enforcement Actions Taken<sup>49</sup></b>
Level 1	Verbal Warning	3	75%
Level 2	Written Warning/Notice of Violation	1	25%
Level 3	Notice to Comply (without monetary penalty and/or cost recovery)	0	0%
Level 4	Notice to Comply (with monetary penalty and/or cost recovery)	0	0%
Level 5	Legal Action/District Attorney	0	0%
<b>Total</b>		4	100%

**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. **Do not leave any cells blank.**

<b>Business Category<sup>50</sup></b>	<b>Number of Actual Discharge Violations</b>	<b>Number of Potential/Other Discharge Violations</b>
Auto-Related	0	1
Retail Food Facility	0	1
Corp Yard	0	2

**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:

None.

<sup>48</sup> Agencies to list specific enforcement actions as defined in their ERPs.

<sup>49</sup> Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.

<sup>50</sup> List your Program's standard business categories.

<b>C.4.d.iii ► Staff Training Summary</b>				
<b>Training Name</b>	<b>Training Dates</b>	<b>Topics Covered</b>	<b>No. of Inspectors in Attendance</b>	<b>Percent of Inspectors in Attendance</b>
ACCWP Stormwater Business Inspectors Workshop: Enforcement Tools	November 14, 2013	<ul style="list-style-type: none"> <li>• Using the Enforcement Response Plan</li> <li>• Enforcement Case Scenarios</li> <li>• BMPs for Businesses</li> <li>• Controlling Pre-production Plastics</li> </ul>	1	100%

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

**Program Highlights**

Provide background information, highlights, trends, etc.

Staff conducts ongoing visual screening throughout the year at select points within the City including commercial zones, creeks, and areas that tend to have increased trash loads.

See Section C.5 – Illicit Discharge Detection and Elimination – of the ACCWP FY 13-14 Annual Report for a summary of Program activities.

**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
Albany Fire Department	Illicit discharges/spills	510-528-5770
Community Development Department	Building Inspector – Construction related discharges	510-528-5760

**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:

Staff works in coordination with the fixed business site requesting the mobile business service and/or directly with the mobile business depending on situation. For instance, restaurants receiving waste oil service are provided with BMPs regarding proper maintenance of waste oil barrels. Any issues on site are directed to the responsible business staff and to the mobile service company. Staff works with multiple mobile service cleaning companies that service businesses within the City and has provided guidance on BMPs including the BASMAA Mobile Surface Cleaners Program to these entities. Mobile businesses operating in Albany are required to have business licenses and added to inspection list.

See Section C.5 – Illicit Discharge Detection and Elimination – of the ACCWP FY 13-14 Annual Report for a summary of related Program and BASMAA activities.

**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:

**Screening points include the City's commercial areas as well as creeks, the waterfront, and any sites adjacent to waterways. Inspection staff**

monitors screening points on a quarterly basis (and ongoing as out in the field). Based on ongoing screening, no illicit discharges were identified. Typically, the most visible issue involves trash accumulation/illegal dumping, and cleanup is conducted.

**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))	18	
Discharges reaching storm drains and/or receiving waters (C.5.f.iii.(2))	2	11%
Discharges resolved in a timely manner (C.5.f.iii.(3))	18	100%

Comments:  
**The Albany Fire Department receives complaints for spills and illicit discharges. There were 18 reported incidents during the reporting period. The Department responded to complaints of illicit discharges immediately and cleaned promptly with absorbent. The majority of spills were related to leaking automobiles or fire hydrants and did not reach storm drains. Verbal warnings were given when applicable.**

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

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

**The majority of spills reported were auto-related or leaking fire hydrants.**

Section 6 – Provision C.6 Construction Site Controls

<b>C.6.e.iii.1.a, b, c ▶ Site/Inspection Totals</b>		
<b>Number of High Priority Sites (sites disturbing &lt; 1 acre of soil requiring storm water runoff quality inspection)</b> (C.6.e.iii.1.a)	<b>Number of sites disturbing ≥ 1 acre of soil</b> (C.6.e.iii.1.b)	<b>Total number of storm water runoff quality inspections conducted (include only High Priority Site and sites disturbing 1 acre or more)</b> (C.6.e.iii.1.c)
0	1	2
Comments: The construction of the Buchanan Bikeway was completed in September 2013.		

<b>C.6.e.iii.1.d ▶ Construction Activities Storm Water Violations</b>		
<b>BMP Category</b>	<b>Number of Violations<sup>51</sup> excluding Verbal Warnings</b>	<b>% of Total Violations<sup>52</sup></b>
Erosion Control	0	N/A
Run-on and Run-off Control	0	N/A
Sediment Control	0	N/A
Active Treatment Systems	0	N/A
Good Site Management	0	N/A
Non Stormwater Management	0	N/A
<b>Total<sup>53</sup></b>		N/A

<sup>51</sup> Count one violation in a category for each site and inspection regardless of how many violations/problems occurred in the BMP category. For example, if during one inspection at a site, there are 2 erosion control violations, only 1 violation would be counted for this table.

<sup>52</sup> Percentage calculated as number of violations in each category divided by total number of violations in all six categories.

<sup>53</sup> The total number of violations may count more than one violation per inspection, since some inspections may result in violations in more than one category. For example, during one inspection of a site, there may have been both an erosion control violation and a sediment control violation. For this reason, the total number of violations in this table may not match the total number of enforcement actions reported in Table C6.e.iii.1.e.

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

	<b>Enforcement Action</b> (as listed in ERP) <sup>54</sup>	<b>Number Enforcement Actions Issued</b>	<b>% Enforcement Actions Issued</b> <sup>55</sup>
Level 1 <sup>56</sup>	Verbal Warning	4	100%
Level 2	Written Warning/Notice of Violation	0	0
Level 3	Notice to Comply (without monetary penalty and/or cost recovery)	0	0
Level 4	Notice to Comply (with monetary penalty and/or cost recovery)	0	0
Level 5	Legal Action/District Attorney	0	0
<b>Total</b>			<b>100%</b>

**C.6.e.iii.1.f, g ► Illicit Discharges**

	<b>Number</b>
Number of illicit discharges, actual and those inferred through evidence at high priority sites and sites that disturb 1 acre or more of land (C.6.e.iii.1.f)	0
Number of sites with discharges, actual and those inferred through evidence at high priority sites and sites that disturb 1 acre or more of land (C.6.e.iii.1.g)	0

<sup>54</sup> Agencies should list the specific enforcement actions as defined in their ERPs.

<sup>55</sup> Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.

<sup>56</sup> For example, Enforcement Level 1 may be Verbal Warning.

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

	Number	Percent
<b>Violations (excluding verbal warnings) fully corrected within 10 business days after violations are discovered or otherwise considered corrected in a timely period (C.6.e.iii.1.h)</b>	0	N/A
<b>Violations (excluding verbal warnings) not fully corrected within 30 days after violations are discovered (C.6.e.iii.1.i)</b>	0	N/A
<b>Total number of violations (excluding verbal warnings) for the reporting year<sup>57</sup></b>	0	N/A
Comments: There were no violations. Four verbal warnings were issued during the inspection on August 2, 2013, for issues related to good site management. Follow up showed improvement and subsequent inspections found no violations.		

**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:  
 City building inspector evaluates project sites based on BMPs. Inspection notes are logged and any stormwater violations are resolved in a timely manner. Common issues include uncovered soil stockpiles.

**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:  
 Staff regularly inspects construction sites to ensure compliance with stormwater requirements. Staff attends trainings to keep apprised of regulations and innovations for stormwater pollution prevention at construction sites. Staff works in coordination with the City’s Fire Department who conducts industrial/illegal discharge inspections in the event of any issues that may arise. City associated engineer has taken QSP training. Refer to the C.6 Construction Site Control section of countywide program’s FY 13-14 Annual Report (if applicable) for a description of activities at the countywide or regional level.

<sup>57</sup> The total number of violations reported in the table of Violation Correction Times equals the number of initial enforcement actions. I.e., This assumes one violation is issued for several problems during an inspection at a site. The total number of violations in the table of Violation Correction Times may not equal the total number of enforcement actions because one violation issued at a site may have a second enforcement action for the same violation at the next inspection if it is not corrected.

**C.6.f ▶ Staff Training Summary**

Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance	Percent of Inspectors in Attendance
There was no training during FY13-14. The inspector will attend the ACCWP C.6 Training planned for FY 14-15.				

**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: See Section C.7 – Public Information and Outreach – of the ACCWP FY 13-14 Annual Report and the BASMAA FY 2013-2014 Regional Supplement for Training and Outreach for a summary of related Program and BASMAA activities.

**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:

Information on the pre-campaign surveys was included in previous annual reports.

Place an **X** in the appropriate box below: N/A

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

**C.7.b.iii.2 ▶ Post-Campaign Survey**

*(For the Annual Report following the post-campaign survey)* Discuss the campaigns and the measureable changes in awareness and behavior achieved. Provide an update of outreach strategies based on the survey results. If survey was done regionally, refer to a regional submittal that contains the following information:

Information on the post-campaign survey for the BASMAA Regional Youth Litter Campaign was provided in the BASMAA FY 13-14 Annual Report.

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

<input type="checkbox"/>	Survey report attached
<input checked="" type="checkbox"/>	Reference to regional submittal: Regional Youth Litter Campaign report in the BASMAA FY 2013-2014 Regional Supplement for Training and Outreach

**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 separate report developed by BASMAA summarizes media relations efforts conducted during FY 13-14: BASMAA FY 2013-2014 Regional Supplement for Training and Outreach.

Other media relations efforts conducted countywide are included within the C.7 Public Information and Outreach section of the ACCWP FY 13-14 Annual Report.

**C.7.d ► Stormwater Point of Contact**

Summary of any changes made during FY 13-14:  
 No Change.

**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
Stormwater Exhibit at the Alameda County Fair: July 1 through July 7, 2013 and June 18 through June 30, 2014. Setting up the exhibit and producing the outreach materials are Countywide Program efforts. Staffing the exhibit is an effort conducted by individual Permittees.	The County Fair is attended by a wide range of residents from throughout the County. The primary message of the exhibit and outreach materials is to encourage residents to reduce their use of pesticides or when necessary use less-toxic pesticides. The exhibit also illustrates the basic watershed awareness/stormwater pollution message.	Several hundred thousand residents attend the fair each year. A more detailed description of the exhibit is included in Section C.7 Public Information and Outreach of the ACCWP FY 13/14 Annual Report.
City of Albany Arts & Green Festival – May 4, 2014. Memorial Park, Albany.	Festival featuring local artists, and “greening” nonprofits/organizations. The City hosted a table at the event that included information and giveaways	<ul style="list-style-type: none"> <li>• 800 estimated overall attendance at the event.</li> <li>• 200 (estimated) people that visited the booth</li> </ul>

	regarding stormwater pollution prevention.	<ul style="list-style-type: none"> <li>Approximately 150 brochures/giveaways</li> </ul>
Solano Stroll – September 8, 2013 – regional event between Albany, Berkeley, and the Solano Avenue Association. Solano Avenue, Albany.	Public street fair along Solano Avenue. City table includes a number of stormwater education materials, handouts and giveaways.	<ul style="list-style-type: none"> <li>200,000 estimated overall attendance.</li> <li>600 (estimated) people that visited the booth</li> <li>Approximately 150 brochures/giveaways distributed</li> </ul>

**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:

The City provides general support to the Codornices Creek Watershed Council, Friends of 5 Creeks, and the Albany Landfill Dog Owners Group. The City promotes creek and waterfront cleanup efforts and provides free advertising for these events. See Section C.7 (Public Outreach and Involvement) of the ACCWP FY 13-14 Annual Report for a summary of the *Bringing Back the Natives Garden* Tours that is sponsored by the Program.

**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
Community Stewardship Grants Program	The Countywide Program sponsors the Community Stewardship Grants (CSG) Program. The CSG Program provides approximately \$20,000 annually in \$1,000 to \$5,000 increments to individuals and community groups to support stormwater improvement/outreach projects throughout the County.	See Section C.7 of the ACCWP FY13/14 Annual Report for a summary.
Earth Day Shoreline Cleanup Event, April 19,	Waterfront cleanup	Over 100 participants, including many families

2014 – Albany waterfront.		with children and students from local high schools, approximately 5 acres of waterfront/bay trail area. Removal of 600 lbs of trash and 60 lbs of recycling. Participants received educational materials about the impacts of marine debris on the ocean ecosystem, the Pacific Ocean Garbage Patch, and displayed information about how to live “plastic free,” exhibiting various options such as glass straws, aluminum food containers, reusable produce bags, and detergents and household cleaners packaged in cardboard containers.
Coastal Cleanup Day – September 21, 2013. Albany Waterfront. Regional event – local site.	Waterfront cleanup	Over 240 participants, approximately 5 acres of waterfront/bay trail area. Removal of approximately 475 lbs of trash and 15 lbs of recycling.

**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
See the Section C.7 of the ACCWP FY 13/14 Annual Report for a summary of the Program’s School-Age Outreach Program			
Albany Middle School Green Team Club, 6 <sup>th</sup> -8 <sup>th</sup> grade	City staff assisted the middle school to develop an environmental club in FY 10/11. City staff continues to provide lessons and activities to the club regarding environmental issues including stormwater pollution prevention.	20 club members. Posters, announcements and other outreach materials reached over 900 students and staff members.	Students seem to respond to peer-to-peer education.
Pollution Prevention education,	The City provided educational lessons	160 elementary	Students were provided the incentive to

Elementary	regarding stormwater pollution prevention to students in advance of the annual coastal cleanup day.	school students.	attend coastal cleanup day.
Stopwaste.Org Student Action Project, 5 <sup>th</sup> grade	The City promoted and helped schedule Stopwaste.Org’s three-part educational student action classroom program. The program focuses on waste reduction and litter in and around the school.	125 students participated in the program; they educated another 150 students through their project.	Student knowledge was assessed before and after the program through questions and evaluations.

**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 13-14, we contributed through ACCWP 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. Monitoring efforts and results are documented in a separate report submitted March 15 of each year, as required in Provision C.8. 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 13-14 Annual Report and the Integrated Monitoring Report.

Section 9 – Provision C.9 Pesticides Toxicity Controls

<b>C.9.b ► Implement IPM Policy or Ordinance</b>					
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.					
<b>Trends in Quantities and Types of Pesticides Used<sup>58</sup></b>					
<b>Pesticide Category and Specific Pesticide Used</b>	<b>Amount<sup>59</sup></b>				
	<b>FY 09-10</b>	<b>FY 10-11</b>	<b>FY 11-12</b>	<b>FY 12-13</b>	<b>FY 13-14</b>
<b>Organophosphates</b>	NONE	NONE	NONE	NONE	NONE
<b>Product or Pesticide Type A</b>					
<b>Product or Pesticide Type B</b>					
<b>Pyrethroids</b>	NONE	NONE	NONE	NONE	NONE
<b>Product or Pesticide Type X</b>					
<b>Product or Pesticide Type Y</b>					
<b>Carbaryl</b>	NONE	NONE	NONE	NONE	NONE
<b>Fipronil</b>	NONE	NONE	NONE	NONE	NONE

<sup>58</sup> Includes all municipal structural and landscape pesticide usage by employees and contractors.

<sup>59</sup> Weight or volume of the product or preferably its active ingredient, using same units for the product each year. The active ingredients in any pesticide are listed on the label. The list of active ingredients that need to be reported in the pyrethroids class includes: allethrin, bifenthrin, beta-cyfluthrin, bioallethrin, cyfluthrin, cypermethrin, cyphenothrin, deltamethrin, esfenvalerate, etofenprox, fenpropathrin, gamma-cyhalothrin, imiprothrin, lambda-cyhalothrin, metofluthrin, permethrin, phenothrin, prallethrin, resmethrin, sumithrin (d-phenothrin), tau-fluvalinate, tefluthrin, tetramethrin, tralomethrin, cis-permethrin, and zeta-cypermethrin.

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.	0
Enter the number of these employees who received training on your IPM policy and IPM standard operating procedures within the last 3 years.	5 – did not apply any pesticides, but get training annually
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.	0 pesticides are not applied

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 type="checkbox"/>	Copy(ies) of the contractors' IPM certification(s) or equivalent, OR		
<input type="checkbox"/>	Equivalent documentation.		
If <b>Not attached</b> , explain: A contractor sprayed for ants around the Police Station once, on 6/27/14 as a last resort, after continual IPM strategies were implemented. MSDS sheet for spray used is attached to this report.			

C.9.e ▶ Track and Participate in Relevant Regulatory Processes
Summarize participation efforts, information submitted, and how regulatory actions were affected <b>OR</b> reference a regional report that summarizes regional participation efforts, information submitted, and how regulatory actions were affected.
Summary: During FY 13-14, we participated in regulatory processes related to pesticides through contributions to the countywide Program, BASMAA and CASQA. See the CASQA Pesticides Subcommittee Annual Report 2013-14: Preventing Urban Pesticide Pollution in Stormwater for a summary of CASQA activities.

**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?		Yes	X	No
If yes, provide a summary of improper pesticide usage reported to the County Agricultural Commissioner and follow-up actions taken to correct any violations. A separate report can be attached as your summary.				

**C.9.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); <b>OR</b> reference a report of a regional effort for public outreach in which your agency participates.
Summary: See the C.9 Pesticides Toxicity Control section of the ACCWP FY 13-14 Annual Report and the BASMAA FY 2013-2014 Regional Supplement for Training and Outreach for information on point of purchase public outreach conducted countywide and regionally.

**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); <b>OR</b> 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 13-14 Annual Report for a summary of outreach to pest control operators and landscapers to reduce pesticide use.

Section 10 - Provision C.10 Trash Load Reduction

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

Provide the following:

- 1) Descriptions of actions/tasks completed towards achieving the Minimum Full Trash Capture requirement in provision C.10.a.iii. Include the:
  - Total number and types of full capture devices (publicly and privately-owned) installed to-date;
  - Total land area (acres) and land areas within each trash generation category (i.e., very high, high, moderate and low) treated by full capture devices (or other types of devices for non-population based Permittees), in comparison to the MRP-required full capture requirements in Attachment J to the MRP; and,
  - Percentage of jurisdictional land areas with very high, high, moderate and low trash generation rates treated by full capture devices.
- 2) A narrative summary of maintenance activities implemented for each device, group of devices, or device type, including descriptions of typical maintenance frequencies and issues associated with maintaining these devices.

**Descriptions of Actions/Tasks (Conducted or Planned):**

17 full trash capture devices were installed by Revel Environmental Manufacturing in July 2013. The total area treated by the 17 devices is 12.5 acres. As part of the Long Term Trash Reduction Plan, the City will install and maintain 8 more full trash capture devices.

The City developed a map that illustrated the location of the installed full trash capture devices, and the land area treated by each device. The map also shows locations of very high, high, medium and low trash generating areas. In addition, the City's trash hotspot and creek/shorelines are shown on the map. Trash management areas were defined, preliminarily, and will provide the basis for long term trash management control measures in the City.

**Descriptions of Maintenance Activities:**

The City entered into an Annual Operation and Maintenance Agreement with Revel Environmental Manufacturing for the 17 installed full trash capture devices. Quarterly maintenance of each device consists of the following:

- Remove and dispose of captured debris and material in accordance with law and regulations
- Vacuum and power wash filters
- Inspect filters for proper operation
- Replace and recharge filter media, as necessary
- Completion of a Trash Capture Maintenance Report

The Trash Capture Maintenance Report lists each device number and GPS location along with confirmation that each of the above listed activities was performed. In addition, the report includes a description of the debris removed from each device and the percent of debris capacity. A total gallons of debris removed will be provided. The volume of debris removed will not be logged on an individual unit basis.

The City takes the information provided in the Trash Capture Maintenance Report and enters it into our stormwater asset management system. In this system, each inlet has a unique structure identification in which maintenance activities performed are tracked. This allows the data to be retrieved either by inlet or by date of maintenance event.

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

Provide the volume of material removed during each MRP-required Trash Hot Spot cleanup during each fiscal year, and the dominant types of trash (e.g., glass, plastics, paper) removed and their sources in FY 2013-14 to the extent possible.

**Guidance:** Fill out the following table or attach a summary of the following information. Do not leave any cells blank and add/delete rows as needed. Delete this row when table is completed. Photographs of hot spots before and after cleanups/assessments should be documented and accessible, but are not required to be submitted with the Annual Report.

Trash Hot Spot	FY 13-14 Cleanup Date	Volume of Trash Removed (cubic yards)				Dominant Type(s) of Trash in FY 2013-14	Trash Sources in FY 2013-14 (where possible)
		FY 2010-11	FY 2011-12	FY 2012-13	FY 2013-14		
San Francisco Bay Shoreline – Albany Beach (alb_sfb_1)	9/21/13	18 lbs	57.5 lbs	42 lbs	39 lbs	Cigarettes/filters, caps/lids, food wrappers/containers, plastic bags, Styrofoam, paper bags	Inflow from Bay, general trash (including litter and illegal dumping)

**C.10.c ► Long-Term Trash Load Reduction Plan**

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

Description of Significant Revision	Associated TMA
None.	

<b>C.10.d ► PART A - Trash Control Measure Implementation and Assessment (Jurisdictional-wide Actions)</b>				
Provide a description of each jurisdictional-wide trash control measure implemented to-date. Identify the dominant trash source(s) and dominant type(s) of trash addressed by each control measure. For each jurisdictional-wide measure, identify the trash assessment method(s) used to demonstrate on-going reductions, summarize the results of the assessment(s), and estimate the associated reduction of trash within your jurisdictional area.				
<b>Control Measure</b>	<b>Summary Description of Control Measure &amp; Dominant Trash Sources and Types</b>	<b>Assessment Method(s)</b>	<b>Summary of Assessment Results To-date</b>	<b>Estimated % Trash Reduced</b>
Single-use Plastic Bag Ordinance or Policy	The Alameda County Waste Management Authority adopted the Single-Use Bag Ban. As of January 1, 2013, all grocery stores, supermarkets, mini-marts, convenience stores, liquor stores, pharmacies, drug stores or other entities that sell milk, bread, soda and snack foods (all four items) and/or alcohol (Type 20 or 21 license) in Alameda County must comply with the Single-Use Bag Ban Ordinance. Affected stores may no longer provide customers with single-use bags at check-out. A copy of the Ordinance is available on the Alameda County Waste Management Authority's website: <a href="http://reusablebagsac.org/ordinancetext.html">http://reusablebagsac.org/ordinancetext.html</a>	See Section C.10 of the ACCWP FY 13-14 Annual Report.	See Section C.10 of the ACCWP FY 13-14 Annual Report.	<b>4%</b>
Expanded Polystyrene Food Service Ware Ordinance or Policy	The City of Albany adopted an Expanded Polystyrene Food Service Ware Ordinance on April 21, 2008. The ordinance bans expanded polystyrene food service ware and requires vendors use recyclable/compostable food service ware. It also applies to City facilities and events. Enforcement is complaint-based and staff estimates compliance is 100%.	See Section C.10 of the ACCWP FY 13-14 Annual Report.	See Section C.10 of the ACCWP FY 13-14 Annual Report.	<b>4%</b>
Public Education and Outreach Programs Targeted at Trash Reduction and Implemented post-MRP Adoption	City staff created an environmental club at the Middle School in 2010 and continues to run club meetings and support environmental education programs in the schools. Staff also began connecting teachers with Stopwaste.Org's three-part student action classroom program in 2010. The program focuses on waste reduction and litter in and around the school.			<b>No quantified reduction</b>

**C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)**

Complete the following trash control measure implementation and assessment summary for each primary trash management area (TMA) identified in your Long-term Plan. Include the following information:

- Identify the total jurisdictional area and the % of that area that generates very high (VH), high (H), moderate (M), or low (L) levels of trash;
- Identify the dominant trash source(s) and dominant type(s) of trash addressed or to-be addressed in the TMA;
- Include the area currently treated by full capture devices, the quantity and type of devices installed to-date, and the % of jurisdictional area that generates very high (VH), high (H), moderate (M), and low (L) levels of trash after accounting for reductions via full capture devices;
- Summarize control measures other than full capture devices implemented to-date, distinguishing between implementation that began pre- and post-MRP effective date. If not implemented in the entire TMA, describe generation category targeted and % of TMA addressed;
- Provide the % of the jurisdictional area that generates very VH, H, M or L levels of trash after accounting for all control measures implemented to-date;
- Describe the methods used to evaluate the effectiveness of control measures other than full capture devices, and any assessment results to-date. If the method was not implemented in the entire TMA, describe generation category targeted and % of TMA addressed; and
- Provide an estimate of the % of trash reduced in the TMA and jurisdiction-wide.

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		% TMA in Each Trash Generation Category			
					VH	H	M	L
1	78	Illegal dumping and pedestrian litter from homeless encampments	All types, including human waste and large debris	Baseline Generation (Pre-MRP)	0%	100%	0%	0%
<b>Trash Full Capture Devices</b>		<b>Summary Descriptions of Full Trash Capture Devices (Quantity and Type)</b>		<b>After taking into account Full Capture Devices</b>	0%	100%	0%	0%
Total Area (Acres)								
% of TMA								
% of VH/H/M								
<b>Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices</b>				<b>After taking into account all New or Enhanced (post-MRP) Control Measures</b>	0%	0%	100%	0%
<p>Over the course of 2013-2014, the City of Albany has been addressing unsafe, unsanitary conditions at our waterfront park. This is part of a larger effort to transition this area to McLaughlin Eastshore State Park for the benefit of the entire region. The transition focused on providing assistance, including housing, to people who were homeless and living in illegal encampments at the Albany Bulb, and park maintenance to remove unsafe, unsanitary conditions to help ensure accessibility for all park users.</p>								
<p>In advance of, and throughout the transition of the Albany Waterfront, the City has actively conducted outreach and engagement to people who are homeless in Albany. Innovative programs including master lease agreements and rental subsidies provided by the City have helped secure housing for 26 chronically homeless individuals who were previously living in illegal encampments at the Albany Bulb. The City's service provider Berkeley Food and Housing Project provides ongoing assistance to people who have been housed to help them transition to housing and maintain their housing. See more at <a href="http://www.albanycalifornia.org/index.aspx?page=1297">http://www.albanycalifornia.org/index.aspx?page=1297</a></p>								
<p>Ultimately, the City removed 46 homeless encampments between March 19, 2014 and May 29, 2014. Cleanup efforts focused on removing debris remaining from illegal encampments. Over 40 large dumpsters (40-yard) were filled with debris collected at the Bulb. Debris generally included soiled items and general trash, along with hazardous wastes including biohazards. Encampments were the largest contribution to litter in TMA 1 and their removal had a significant impact on the litter potential at the site.</p>								
<p>Enforcement of the no camping policy is ongoing and the City is in the process of creating a plan to transition the Bulb to the State of California to be managed by the East Bay Regional Park District as part of McLaughlin Eastshore State Park. EBRPD has resources to continue enforcement of no camping policies. The City's Urban Forestry crew conducts regular work at the Albany Bulb to help maintain park vegetation. Other ongoing park maintenance includes graffiti and debris removal.</p>								

<b>Assessment Methods for Control Measures Other than Full Capture Devices</b>					
On land visual assessments of the site have been taken. The City has also quantified the total trash removed from the site during encampment cleanup and the amount of trash removed monthly before the cleanup began.					
<b>Summary of Assessment Results To-date</b>					
<p>On land visual assessments have determined a 95% reduction in litter since enforcement of the no camping policy began and encampments were removed. The most recent visual assessment determined that there was no litter on the site.</p> <p>For the year prior to encampment removal, the City removed an average of 40 yards of trash from homeless encampments per month, resulting in 4 tons of trash removed per month. The City no longer offers dumpster service at the Bulb, and the visual assessment results demonstrate that it is no longer needed. The City will be placing new trash receptacles on the Bulb in the next month for park users.</p> <p>The cleanup of homeless encampments and litter resulted in 840 yards (115.44 tons) of trash removed from the Bulb, and 230 yards (20.13 tons) of construction and demolition debris removed. This does not include personal items collected, which were stored off site. For reference, the original estimated trash generation at the Bulb was 2,337 gallons per year (which equals 13.5 yards). Because of this, staff finds it justifiable to claim that the new annual trash generation at the Bulb is 250 gallons per year, which is a 79% reduction from the baseline. With the added trash receptacles and further visual assessments, staff believes credit for a 95% total reduction can be taken in future years.</p>					
		<b>Estimated % Trash Reduction in TMA due to New or Enhanced Post-MRP actions</b>	79%		
		<b>Estimated % Trash Reduction Jurisdiction-wide due to New or Enhanced Post-MRP actions</b>	27%		

<b>C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)</b>									
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		% TMA in Each Trash Generation Category				
					VH	H	M	L	
2	3	Pedestrian litter	Food wrappers, beverage containers, cigarette butts	Baseline Generation (Pre-MRP)	0%	0%	84%	16%	
<b>Trash Full Capture Devices</b>		<b>Summary Descriptions of Full Trash Capture Devices (Quantity and Type)</b>			<b>After taking into account Full Capture Devices</b>	0%	0%	84%	16%
<b>Total Area (Acres)</b>									
<b>% of TMA</b>									
<b>% of VH/H/M</b>									

Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices		After taking into account <u>all New or Enhanced (post-MRP) Control Measures</u>	0%	0%	84%	16%
Assessment Methods for Control Measures Other than Full Capture Devices						
Summary of Assessment Results To-date						
Estimated % Trash Reduction <u>in TMA</u> due to New or Enhanced Post-MRP actions			0%			
Estimated % Trash Reduction <u>Jurisdiction-wide</u> due to New or Enhanced Post-MRP actions			0%			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)									
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		% TMA in Each Trash Generation Category				
					VH	H	M	L	
3	9	Pedestrian litter	Food wrappers, beverage containers	Baseline Generation (Pre-MRP)	0%	0%	89%	11%	
Trash Full Capture Devices		Summary Descriptions of Full Trash Capture Devices (Quantity and Type)			After taking into account <u>Full Capture Devices</u>	0%	0%	89%	11%
Total Area (Acres)									
% of TMA									
% of VH/H/M									

Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices		After taking into account <u>all New or Enhanced (post-MRP) Control Measures</u>	0%	0%	89%	11%
Assessment Methods for Control Measures Other than Full Capture Devices						
Summary of Assessment Results To-date						
Estimated % Trash Reduction <u>in TMA</u> due to New or Enhanced Post-MRP actions			0%			
Estimated % Trash Reduction <u>Jurisdiction-wide</u> due to New or Enhanced Post-MRP actions			0%			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		% TMA in Each Trash Generation Category			
					VH	H	M	L
4	39	Vehicles, pedestrian litter	Cigarette butts, food wrappers	Baseline Generation (Pre-MRP)	0%	65%	35%	0%
Trash Full Capture Devices		Summary Descriptions of Full Trash Capture Devices (Quantity and Type)		After taking into account <u>Full Capture Devices</u>	0%	60%	34%	0%
Total Area (Acres)	2	1 REM Triton filter was installed						
% of TMA	9%							
% of VH/H/M	9%							

Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices		After taking into account <u>all New or Enhanced (post-MRP) Control Measures</u>	0%	60%	34%	0%
Assessment Methods for Control Measures Other than Full Capture Devices						
Summary of Assessment Results To-date						
Estimated % Trash Reduction <u>in TMA</u> due to New or Enhanced Post-MRP actions			7%			
Estimated % Trash Reduction <u>Jurisdiction-wide</u> due to New or Enhanced Post-MRP actions			1%			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)									
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		% TMA in Each Trash Generation Category				
					VH	H	M	L	
5	28	Pedestrian litter	Food wrappers	Baseline Generation (Pre-MRP)	0%	52%	37%	11%	
Trash Full Capture Devices		Summary Descriptions of Full Trash Capture Devices (Quantity and Type)			After taking into account <u>Full Capture Devices</u>	0%	43%	35%	23%
Total Area (Acres)	3	10 REM Triton filters were installed							
% of TMA	38%								
% of VH/H/M	22%								

Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices		After taking into account <u>all New or Enhanced (post-MRP) Control Measures</u>	0%	43%	35%	23%
Per the new Franchise Agreement, Waste Management of Alameda County provided the City fifteen (15) Big Belly Solar Trash Compactors, 13 of which were placed along Solano Avenue. The new trash container type reduces the maintenance frequency of public area trash containers and the potential for overflowing litter from these receptacles. The Big Belly Solar Trash Compactors have separate recycling receptacles, something the older City trash containers do not offer.						
Assessment Methods for Control Measures Other than Full Capture Devices						
Summary of Assessment Results To-date						
		Estimated % Trash Reduction <u>in TMA</u> due to New or Enhanced Post-MRP actions		16%		
		Estimated % Trash Reduction <u>Jurisdiction-wide</u> due to New or Enhanced Post-MRP actions		1%		

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)									
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		% TMA in Each Trash Generation Category				
					VH	H	M	L	
6	39	Pedestrian litter (schools)	Food wrappers, beverage containers	Baseline Generation (Pre-MRP)	0%	0%	100%	0%	
Trash Full Capture Devices		Summary Descriptions of Full Trash Capture Devices (Quantity and Type)			After taking into account <u>Full Capture Devices</u>	0%	0%	100%	0%
Total Area (Acres)									
% of TMA									
% of VH/H/M									

Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices		After taking into account all New or Enhanced (post-MRP) Control Measures	0%	0%	100%	0%
<p>City staff assisted the middle school to develop an environmental club in FY 10/11. City staff continues to provide staff presentations, lessons and activities to the club regarding environmental issues including stormwater pollution prevention. The club regularly has 20 members and posters, announcements and other outreach materials reach over 900 students and staff members each school year.</p> <p>The City also provides educational lessons to 160 students regarding stormwater pollution prevention to students in advance of the annual coastal cleanup day.</p> <p>The City promotes and helps schedule Stopwaste.Org's three-part educational student action classroom program, which focuses on waste reduction and litter in and around the school.</p>						
Assessment Methods for Control Measures Other than Full Capture Devices						
Summary of Assessment Results To-date						
Estimated % Trash Reduction in TMA due to New or Enhanced Post-MRP actions			0%			
Estimated % Trash Reduction Jurisdiction-wide due to New or Enhanced Post-MRP actions			0%			

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)									
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		% TMA in Each Trash Generation Category				
					VH	H	M	L	
7	12	Pedestrian litter, inadequate container management	Food wrappers, beverage containers, pizza boxes	Baseline Generation (Pre-MRP)	0%	0%	100%	0%	
Trash Full Capture Devices		Summary Descriptions of Full Trash Capture Devices (Quantity and Type)			After taking into account Full Capture	0%	0%	100%	0%
Total Area (Acres)									

<b>% of TMA</b>						<b>Devices</b>					
<b>% of VH/H/M</b>											
<b>Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices</b>							<b>After taking into account all New or Enhanced (post-MRP) Control Measures</b>	0%	0%	100%	0%
<p>Per the new Franchise Agreement, Waste Management of Alameda County provided the City fifteen (15) Big Belly Solar Trash Compactors, 2 of which were placed in Albany parks. Given the success of these cans, the City has purchased 4 more units for the parks. In addition to increased capacity and the addition of recycle and organics collection, these containers also have a large enough opening to accommodate pizza boxes, one of the largest types of litter in the parks due to small trash can openings. Additionally, the City plans to use the poster spaces on the sides of these new containers to implement an anti-litter campaign.</p> <p>The City established the Friends of Albany Parks program at the beginning of 2014, which encourages community members to get involved with the maintenance of neighborhood parks. Clean-up events were held at Ocean View, Terrace, and Memorial Parks in FY13-14 and events had as many as 70 volunteers each. Regular park clean-ups will continue in FY14-15. A Junior Park Rangers program was also established in the same timeframe. Youngsters get together at their neighborhood park every Monday to pick up litter and do other needed park maintenance.</p> <p>Staff will conduct visual assessments next year to determine reduction percentage from the increased containers and cleanup activities.</p>											
<b>Assessment Methods for Control Measures Other than Full Capture Devices</b>											
<b>Summary of Assessment Results To-date</b>											
							<b>Estimated % Trash Reduction in TMA due to New or Enhanced Post-MRP actions</b>		0%		
							<b>Estimated % Trash Reduction Jurisdiction-wide due to New or Enhanced Post-MRP actions</b>		0%		

<b>C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)</b>									
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types	% TMA in Each Trash Generation Category					
				VH	H	M	L		

8	50	Vehicles, illegal dumping	Food wrappers, large items	Baseline Generation (Pre-MRP)	25%	0%	75%	0%
<b>Trash Full Capture Devices</b>		<b>Summary Descriptions of Full Trash Capture Devices (Quantity and Type)</b>		<b>After taking into account Full Capture Devices</b>	24%	0%	68%	8%
Total Area (Acres)	4	5 REM Triton filters						
% of TMA	14%							
% of VH/H/M	14%							
<b>Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices</b>				<b>After taking into account all New or Enhanced (post-MRP) Control Measures</b>	20%	0%	72%	8%
Maintenance staff expanded their on-land litter cleanups to include Cleveland Avenue and the area around the Pierce Street condominium complexes, which have been identified as illegal dumping hotspots.								
Waste Management of Alameda County now picks up abandoned waste per the Franchise Agreement and provides up to 2 free bulky pickups per year to households in an attempt to mitigate illegal dumping. With these policies, there is less incentive for residents to discard large items in traditional illegal dumping hot spots. The agreement also provides increased capacity for collecting discarded materials, therefore decreasing the time it takes to collect these materials.								
<b>Assessment Methods for Control Measures Other than Full Capture Devices</b>								
On land visual assessments of the site have been taken.								
<b>Summary of Assessment Results To-date</b>				Estimated % Trash Reduction <b>in TMA</b> due to New or Enhanced Post-MRP actions	15%			
Through visual assessments, staff has determined there is a 30% reduction in visual litter volume on Cleveland Avenue and the area around Pierce Street Condos due to monthly litter pickups. The City has claimed a 10% reduction in litter in TMA 8 because of this activity, and staff believes future visual assessments will show higher percentage decreases.								

**C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)**

TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		% TMA in Each Trash Generation Category			
					VH	H	M	L
9	13	Pedestrian litter	Food wrappers, cigarette butts	Baseline Generation (Pre-MRP)	0%	0%	100%	0%
Trash Full Capture Devices		Summary Descriptions of Full Trash Capture Devices (Quantity and Type)		After taking into account Full Capture Devices	0%	0%	100%	0%
Total Area (Acres)								
% of TMA								
% of VH/H/M								
Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices				After taking into account all New or Enhanced (post-MRP) Control Measures	0%	0%	100%	0%
Assessment Methods for Control Measures Other than Full Capture Devices								
Summary of Assessment Results To-date								
				Estimated % Trash Reduction in TMA due to New or Enhanced Post-MRP actions	0%			
				Estimated % Trash Reduction Jurisdiction-wide due to New or Enhanced Post-MRP actions	0%			

**C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)**

TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		% TMA in Each Trash Generation Category			
					VH	H	M	L
10	126	Pedestrian litter	Small pieces of wrappers, plastics and cigarette butts	Baseline Generation (Pre-MRP)	0%	0%	99%	1%
<b>Trash Full Capture Devices</b>		<b>Summary Descriptions of Full Trash Capture Devices (Quantity and Type)</b>		After taking into account <u>Full Capture Devices</u>	0%	0%	98%	2%
Total Area (Acres)	2	1 REM Triton filter						
% of TMA	1%							
% of VH/H/M	1%							
<b>Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices</b>				After taking into account <u>all New or Enhanced (post-MRP) Control Measures</u>	0%	0%	98%	2%
<b>Assessment Methods for Control Measures Other than Full Capture Devices</b>								
<b>Summary of Assessment Results To-date</b>								
					<b>Estimated % Trash Reduction in TMA due to New or Enhanced Post-MRP actions</b>		1%	
					<b>Estimated % Trash Reduction Jurisdiction-wide due to New or Enhanced Post-MRP actions</b>		0%	

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		% TMA in Each Trash Generation Category			
					VH	H	M	L
11	594	All sources (mid-density residential)	All types	Baseline Generation (Pre-MRP)	0%	0%	0%	100%
Trash Full Capture Devices		Summary Descriptions of Full Trash Capture Devices (Quantity and Type)		After taking into account Full Capture Devices	0%	0%	0%	100%
Total Area (Acres)								
% of TMA								
% of VH/H/M								
Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices				After taking into account all New or Enhanced (post-MRP) Control Measures	0%	0%	0%	100%
<p>Waste Management of Alameda County purchased new trucks for all residential collection routes in January 2012 per the City's Franchise Agreement. These collection vehicles are designed to eliminate litter when servicing containers and during travel. The automated arm is designed to close the lid when returning the cart to collection location. Waste Management estimates these new trucks reduce litter from weekly residential collection by 90% and the City has received fewer complaints from residents about litter since they started service.</p>								
Assessment Methods for Control Measures Other than Full Capture Devices								
Summary of Assessment Results To-date								
Estimated % Trash Reduction in TMA due to New or Enhanced Post-MRP actions					0%			
Estimated % Trash Reduction Jurisdiction-wide due to New or Enhanced Post-MRP actions					0%			

**C.10.d ► PART C – Estimated Overall Trash Load Reduction**

For Population-based Permittees, provide an estimate of the overall trash reduction percentage achieved to-date within the jurisdictional area of your municipality that generates problematic trash levels (i.e., Very High, High or Moderate trash generation). Base the estimate on the information presented in C.10.d – Parts A and B and creek/shoreline cleanups not reported in C.10.b.iii. Provide a statement regarding the confidence in the estimate and challenges and/or successes in measuring progress towards the 40% trash reduction target described in provision C.10.

**Discussion of Trash Reduction Estimate:**

Please see Section C.10 of the ACCWP FY 13-14 Annual Report for a discussion of methods and assumptions regarding estimated trash reduction of jurisdictional-wide actions, including single-use plastic bag ordinance and expanded polystyrene food service ware ordinance.

Full trash capture treatment areas were determined using storm drain maps and field verification.

Staff calculated other control measures through visual assessments. Because there is a moderate level of confidence from visual assessments, staff estimated percentage decreases very conservatively.

For shoreline cleanups, we used the assumption that 1 ton = 10 yards of trash, based on previous cleanup data. Volunteer-based shoreline cleanups resulted in 1,562 gallons of trash removed, which is a 23% reduction in baseline load. We are claiming a 5% reduction for the FY13-14 events.

Estimated % Trash Reduction due to Jurisdictional-wide Actions	8%
Estimated % Trash Reduction due to Trash Full Capture Devices (All TMAs)	3%
Estimated % Trash Reduction due to Other Control Measures (All TMAs)	30%
<b>SubTotal for Above Actions</b>	<b>41%</b>
Estimated % Trash Reduction due to Creek/Shoreline Cleanups (All TMAs)	5%
<b>Total Estimated % Trash Reduction in FY 13-14</b>	<b>46%</b>

**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).

- 1) **Promotion** of:
  - a) Household Hazardous Waste (HHW) programs through the City's website, flyers at City Hall and the Community Center, bill Inserts, blurbs in community newsletter and activity guide, website, Facebook, and Albany Patch posts. Website includes information on the nearest Alameda County HHW Drop-Off location in Oakland and a matrix with information of nearby drop-off for HHW, including thermostats, CFLs and fluorescent tubes.
  - b) Albany's Curbside CFL Bulb Recycling Program was promoted with bill Inserts, blurbs in community newsletter and activity guide, website, Facebook, and Albany Patch posts. A how-to-recycle video was created and posted on the City website (<http://www.albanyca.org/index.aspx?page=259>), WM website, youtube, KALB Cable Access Channel and played at a Council meeting. Large how-to posters were created and are being displayed in business districts and parks.
- 2) **Collection** of:
  - a) CFL Bulbs through Waste Management of Alameda County's curbside recycling program, free to all residents with cart service in Albany.

See Section C.11 of the ACCWP FY 13-14 Annual Report for a summary of countywide recycling efforts.

**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.

Please refer to the ACCWP FY 13-14 Annual Report for an estimate of the mass of mercury collected through collection and recycling efforts in the Countywide Program area.

Waste Management of Alameda County collects CFLs curbside for recycling, free to all residents with cart service in Albany.

Mercury Containing Device/Equipment	Total Amount of Devices Collected	Estimated Mass of Mercury Collected
Fluorescent Lamps <sup>60</sup> (linear feet)		
CFLs <sup>61</sup> (each)	295 lbs	0.0002655

<sup>60</sup> Only linear fluorescent lamps should be included

<sup>61</sup> Only compact fluorescent lamps should be included

Thermostats <sup>62</sup> (each)		
Thermostats (lbs)		
Thermometers (each)		
Switches (lbs)		
<b>Total Mass of Mercury Collected During FY 2013-2014:</b>		0.0002655

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<sup>62</sup> Thermostats can be reported by quantity or by pounds. Whichever unit is used, please avoid double-counting.

- 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 ACCWP and regional accomplishments for these sub-provisions are included within the C.11 Mercury Controls section of Program's FY 13-14 Annual Report, and the March 2014 Integrated Monitoring Report.

**Section 12 - Provision C.12 PCBs Controls**

**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 13-14 ACCWP Annual Report for a description of PCB related training.

**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 13-14 Annual Report, and the March 2014 Integrated Monitoring Report.

### Section 13 - Provision C.13 Copper Controls

#### C.13.a.iii.(2) ▶ Training, Permitting and Enforcement Activities

*(FY 11-12 Annual Report and each Annual Report thereafter)* Provide summaries of activities implemented to manage waste generated from cleaning and treating of copper architectural features, including copper roofs, during construction and post-construction including. :

- Development of BMPs on how to manage the water during and post construction
- Requiring the use of appropriate BMPs when issuing building permits
- Educating installers and operators on appropriate BMPs
- Enforcement actions taken against noncompliance

The City uses the BMP fact sheet developed by the County which is available to those being issued building permits. Construction inspector is trained on BMPs for architectural copper and educates the necessary parties when it is used. Inspector takes swift enforcement action when necessary. The City uses BMP fact sheets when issuing building permits.

#### C.13.c ▶ Vehicle Brake Pads

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

During FY 13-14, we participated in implementation of the California Brake Friction Material Law through contributions to the countywide Program, BASMAA and CASQA. For additional information, see the C.13 Copper Controls section of Program's FY 13-14 Annual 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

Inspections at industrial facilities/manufacturing and auto-related facilities include review to determine whether there are any products that involve sources of copper. If materials are detected/in use at the site, the inspector provides an overview of source control, concerns associated with copper, and BMP outreach materials to the business.

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

Note: There are no reporting requirements in the FY 13-14 Annual Report for Section C.14.

**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 <b>No</b> , skip to C.15.b.vi.(2):				
If <b>Yes</b> , Complete the attached reporting tables or attach your own table with the same information. Provide any clarifying comments below.				
Comments: None.				

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

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

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

Summary:  
 The City participates in the Bay Friendly Landscaping Program trainings, and also promotes the program locally including the annual home tours. The City has a Green Building Ordinance in place for all projects, which includes requirements for bay friendly landscaping, and water conservation. Per the City's Climate Action Plan, new projects are required to reduce outdoor potable water use by 50% below the initial requirements for plant installation and establishment as identified in Section 604.2 of the California Green Building Code. Information regarding less toxic pest control, irrigation and landscape management is provided via informational brochures, information in the City newsletter, website, and local blogs. The City's Urban Forestry program provides workshops regarding bay friendly landscaping, mulching, and drought tolerant plant propagation. Additionally, the City provides free mulch at designated locations for residents. The City provides two annual compost giveaways and gives away compost and mulch informally throughout the year when available. Targeted outreach is conducted on an as needed basis when inappropriate practices are identified. Illicit Discharge inspection staff respond to all incidents of large volume/ongoing irrigation runoff. The City has installed recycled water lines (purple pipe) to water City parks and greenways and is waiting for EBMUD to finish the connection.

A summary of the Countywide Program's effort to promote the use of less-toxic pest management and the use of drought tolerant and native vegetation is included within the C.7 Public Information and Outreach and C.9. Pesticide Toxicity Control sections of the Countywide Program's FY 13-14 Annual Report.

<b>C.15.b.iii.(1) ► Planned Discharges of the Potable Water System</b>										
<b>Site/ Location</b>	<b>Discharge Type</b>	<b>Receiving Waterbody(ies)</b>	<b>Date of Discharge</b>	<b>Duration of Discharge (military time)</b>	<b>Estimated Volume (gallons)</b>	<b>Estimated Flow Rate (gallons/day)</b>	<b>Chlorine Residual (mg/L)</b>	<b>pH (standard units)</b>	<b>Discharge Turbidity<sup>63</sup> (NTU)</b>	<b>Implemented BMPs &amp; Corrective Actions</b>
None.										

<sup>63</sup> Monitor the receiving water for turbidity if necessary and feasible. Include data in this column if available.

C.15.b.iii.(2) ► Unplanned Discharges of the Potable Water System <sup>64</sup>														
Site/ Location	Discharge Type	Receiving Waterbody(ies)	Date of Discharge	Discharge Duration (military time)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L) <sup>65</sup>	pH (standard units) <sup>52</sup>	Discharge Turbidity (Visual) <sup>52</sup>	Implemented BMPs & Corrective Actions	Time of discharge discovery	Regulatory Agency Notification Time <sup>66</sup>	Inspector arrival time	Responding crew arrival time
None.														

<sup>64</sup> This table contains all of the unplanned discharges that occurred in this FY.

<sup>65</sup> Monitoring data is only required for 10% of the unplanned discharges. If you monitored more than 10% of your unplanned discharges, report all of the data collected.

<sup>66</sup> Notification to Water Board staff is required for unplanned discharges where the chlorine residual is >0.05 mg/L and total volume is ≥ 50,000 gallons. Notification to State Office of Emergency Services is required after becoming aware of aquatic impacts as a result of unplanned discharge or when the discharge might endanger or compromise public health and safety.



Alameda Countywide  
Clean Water Program  
A Consortium of Local Agencies

**INDUSTRIAL AND COMMERCIAL BUSINESS INSPECTION PLAN  
CITY OF ALBANY**

**Date Originally Prepared: July 19, 2010**

**Date Last Updated: July 9, 2014** *(list of industrial and commercial businesses to inspect shall be updated at least annually (Provision C.4.b.ii)).*

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**BACKGROUND**

This industrial and commercial business inspection plan (Inspection Plan) serves as the city's prioritized inspection work plan that the city will implement to comply with the municipal regional stormwater permit's (MRP) Provision C.4.b requirements. This MRP provision requires that an Inspection Plan be developed. The Inspection Plan's attached Prioritized Inspection List of Businesses (Inspection List) must be submitted with the 2010 Annual Report, and an annually updated Inspection List must be submitted with subsequent annual reports.

The Inspection Plan required by the MRP is similar to the Five-Year Industrial and Commercial Business Inspection Plans and the annual Industrial and Commercial Business Inspection Work Plans that the municipalities have been preparing since the mid-1990s. A couple of the differences are that this Inspection Plan is not for a set period of time, and the Inspection List includes a list of businesses requiring inspection rather than a list of categories of businesses for inspection as had been done previously.

Municipal staff used the following steps to create this Inspection Plan and comply with the MRP. Steps 1 and 2 address MRP requirements for the Inspection Plan and Step 3 addresses compliance with MRP requirements for creating an Inspection List that is included as an attachment to the Inspection Plan.

Steps

1. Identify a method of establishing priorities for inspections and the frequency of inspections for each category of priority.
2. Describe the method that will be used to identify newly opened businesses that may need inspection.
3. Develop an Inspection List that includes:
  - a. A list of all of the industrial and commercial businesses located within the municipality's jurisdiction that require inspection;
  - b. A determination of the priority for inspection of each business on the Inspection List using the identified method of establishing inspection priorities;
  - c. Identification of businesses on the Inspection List that are scheduled for inspection during the current fiscal year; and
  - d. An annual update or revision of the Inspection List starting in 2011.

Each of these steps was followed to develop this Inspection Plan as described in the following sections.

**STEP 1: IDENTIFY A METHOD OF ESTABLISHING PRIORITIES FOR INSPECTIONS AND  
FREQUENCY OF INSPECTIONS**

## **What the MRP Requires**

The MRP requires that each of the businesses to be inspected be assigned a priority for inspection based on “the potential for water quality impact using criteria such as pollutant sources on site, pollutants of concern, proximity to a waterbody, violation history of the facility, and other relevant factors” (Provision C.4.b.ii.(3)). In addition, the MRP requires that appropriate inspection frequencies be established based on the priority for inspection, “potential for contributing pollution to stormwater runoff” and be “commensurate with the threat to water quality” (Provision C.4.b.ii.(5)).

Further, the MRP requires: “A description of the process for prioritizing inspections and frequency of inspections” (Provision C.4.b.i.(2)).

## **Description of Prioritization Process and Assignment of Inspection Frequencies to Different Priorities**

- ➔ Businesses meeting the following criteria generally have been assigned as having a high priority for inspection:
  1. Businesses that are subject to the State General NPDES Permit for Stormwater Discharges Associated with Industrial Activity.
  2. Retail food facilities, hazardous materials users, automotive service facilities, and hazardous waste generators when these facilities have a history of using inadequate best management practices.
  3. Businesses that have had a non-stormwater discharge disallowed by the MRP during the previous fiscal year.All other businesses have generally been assigned as having a low priority for inspection.
  
- ➔ High priority for inspection means that a subset of the businesses will typically be inspected annually. Medium and low priority for inspection means that the business will be inspected less frequently than annually, such as every other year, every third year or once every five years<sup>1</sup>.

## **STEP 2: DESCRIBE METHOD THAT WILL BE USED TO IDENTIFY NEW BUSINESSES**

### **What the MRP Requires**

The MRP requires that the Inspection Plan have a “mechanism to include newly opened businesses that warrant inspection ...” (Provision C.4.b.i.(2)).

### **Description of Method for Identifying New Businesses**

- ➔ The following describes how new businesses that may warrant an inspection are identified so that they will be included on the Inspection List:
  1. New business listings will be provided by the Finance Department to Environmental Services on a quarterly basis.
  2. Quarterly new business list will be reviewed by Environmental Services to determine which businesses may have the potential to contribute to stormwater pollution according to the categories listed above.

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<sup>1</sup> The municipality may define other categories of priority and their associated inspection frequency. Many municipalities have previously used three categories of frequency for inspection and this approach has been retained in this template.

3. New businesses subject to inspection will be placed on the inspection list
4. An assessment will be made to determine needed frequency for follow-up inspections depending on results of inspection and business type.

### **STEP 3: DEVELOP AN INSPECTION LIST**

This step includes the following four substeps associated with the development and maintenance of the Inspection List:

- a. Develop a list of all of the industrial and commercial businesses that require inspection;
- b. Determine the priority for inspection of each business on the Inspection List;
- c. Identify businesses on the Inspection List that are scheduled for inspection during the current fiscal year; and
- d. Prepare an annual update or revision of the Inspection List starting in 2011.

#### **What the MRP Requires**

##### **Develop a List of All Businesses Requiring Inspection**

The MRP requires that the Inspection Plan be used to maintain an Inspection List of industrial and commercial businesses “that could reasonably be considered to cause or contribute to pollution of stormwater runoff” (Provision C.4.b.ii).

In particular, the MRP lists the following types of businesses as needing to be inspected if they “have a reasonable likelihood to be sources of pollutants to stormwater and non-stormwater discharges:” (Provision C.4.b.ii(2))

- 1) Industrial facilities<sup>2</sup>, as defined in 40 CFR 122.26(b)(14), including those subject to the State General NPDES Permit for Stormwater Discharges Associated with Industrial Activity;
- 2) Vehicle salvage yards;
- 3) Metal and other recycled material collection facilities, waste transfer facilities;
- 4) Vehicle mechanical repair, maintenance, fueling, or cleaning;
- 5) Building trades central facilities or yards, corporation yards, nurseries, and greenhouses;
- 6) Building material retailers and storage;
- 7) Plastic manufacturers; and
- 8) Other facilities designated by the city or Water Board as having a reasonable potential to contribute to pollution of stormwater runoff. The Water Board staff places a priority on inspecting retail food facilities, and these businesses should be included in the Inspection List if they “have a reasonable likelihood to be sources of pollutants to stormwater and non-stormwater discharges.”

In addition, the MRP lists the following functional aspects of businesses that may produce pollutants when exposed to stormwater as part of the criteria for developing the Inspection List:

- 1) Outdoor process and manufacturing areas;
- 2) Outdoor material storage areas;
- 3) Outdoor waste storage and disposal areas;
- 4) Outdoor vehicle and equipment storage and maintenance areas;
- 5) Outdoor wash areas;

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<sup>2</sup> The MRP appears to use the terms “facilities” and “businesses” interchangeably. This template generally uses the term business since that is used in the title of Provision C.4.b., and it is the term most inspectors use.

- 6) Outdoor drainage from indoor areas;
- 7) Rooftop equipment; and
- 8) Other sources determined by the city or Water Board to have a reasonable potential to contribute to pollution of stormwater runoff.

#### Establish Inspection Priority for Businesses on the Inspection List

The MRP requires that businesses that have a reasonable potential to pollute stormwater runoff be prioritized using factors listed in the MRP (Provision C.4.b.ii.(3)).

#### Identify Businesses Scheduled for Inspection During the Current Fiscal Year

The MRP requires that the annual report include “the list of facilities scheduled for inspection during the current fiscal year” (Provision C.4.b.iii.(2)).

#### Annual Updates

The MRP requires that the Inspection List be annually updated and maintained (Provision C.4.b.ii). The annual updates should include new businesses; any needed modifications to inspection priorities based on recent inspections, illicit discharge notifications, or other relevant factors; and removal of businesses that are no longer operating. In addition, updates or revisions to the Inspection List need to be included in annual reports starting in 2011 (Provision C.4.b.iii.(1)).

#### Substep 3a: Develop Inspection List

- An Inspection List is included as **Attachment A** to this plan. The Inspection List will be updated quarterly to include new businesses, total number of businesses, and annually to identify businesses requiring inspection for the current year.

#### Substep 3b: Determine Priority for Businesses

- The Inspection List includes priority for inspection per business type as follows:  
High Priority (a subset inspected annually): Retail food facilities, Auto-related businesses, Industrial. Medium/Low Priority (subset inspected every other year): Cleaning facilities, Grocery facilities). The prioritization levels will be updated annually to reflect inspection results and need for more/less frequent inspections.

#### Substep 3c: Identify Businesses Scheduled for Inspection in the Current Fiscal Year

- A total of 20 businesses are scheduled for inspection during the current fiscal year. The particular businesses selected may vary depending on accessibility in scheduling inspections, changes in inspection capacity, change of business status, additional new businesses requiring immediate inspection, or other unforeseen circumstances.

#### Substep 3d: Annual Update

- As of 2011, the inspection list and plan will be updated annually to incorporate inspection findings, new businesses, and any other related information impacting inspection frequency/prioritization.

**Attachment A  
Facilities/Businesses Prioritized Inspection List (Inspection List)**

Date Originally Prepared: July 19, 2010

Date Last Updated<sup>3</sup>: September 10, 2012

**High Priority Businesses for Inspection<sup>4</sup> - Subset Inspected Annually**

Name of Business	Address	Type of Business	Has Industrial General Permit Coverage?	Comments	Scheduled for Inspection in FY 2014/15 <sup>5</sup>
ALBANY BODY SHOP	702 SAN PABLO AVE	Auto-Related	No		Yes
ALBANY FORD/SUBARU	718/929 SAN PABLO AVE	Auto-Related	No		No
ALBANY AM-PM	1001 SAN PABLO AVE	Auto-Related	No		Yes
ALBANY ANNEX	544 CLEVELAND AVE # E	Auto-Related	No		No
ALBANY AUTO SALES	943 SAN PABLO AVE	Auto-Related	No		No
ALBANY HILL MINI MART	800 SAN PABLO AVE	Auto-Related	No		Yes
ALBANY SHELL CAR WASH	999 SAN PABLO AVE	Auto-Related	No		Yes
ALBANY SMOG TEST ONLY	1111 SAN PABLO AVE STE B	Auto-Related	No		No
ALBANY TIRE SERVICE	742 SAN PABLO AVE	Auto-Related	No		No
ARLINGTON AUTO SHOP	806 SAN PABLO AVE	Auto-Related	No		Yes
AUTO CARE 101	700 SAN PABLO AVE	Auto-Related	No		No
AUTO EUROPA	546 CLEVELAND AVE	Auto-Related	No		Yes
AUTO PLUS	575 SAN PABLO AVE	Auto-Related	No		No
BERKELEY MOTOR WORKS INC.	736 SAN PABLO AVE	Auto-Related	No		No
CABELLO BROS. AUTOMOTIVE	1081 EASTSHORE HWY	Auto-Related	No		No
CARTERS AUTOMOTIVE	744 SAN PABLO AVE	Auto-Related	No		No
CERTIFIED TIRE & SERVICES CENTER	431 SAN PABLO AVE	Auto-Related	No		No
CONTINENTAL AUTO BODY & PAINT/SALES	1011/1015 SAN PABLO AVE	Auto-Related	No		No
D MEYER AUTO/ALBANY HILL	660 SAN PABLO AVE	Auto-Related	No		No

<sup>3</sup> The municipal regional stormwater permit requires an annual update of businesses to inspect.

<sup>4</sup> The frequency of inspections is a goal that should be met for most businesses. A particular business or facility's inspection priority may be modified based on more recent information during the annual Inspection List update, and businesses and facilities may be added and deleted from the Inspection List consistent with the MRP.

<sup>5</sup> A check mark in this column means that a business is scheduled for inspection in the current fiscal year. This column should be updated annually and revisions or updates to the Inspection List are required in each annual report.

AUTO					
D.H. WALSH AUTOMOTIVE	987 SAN PABLO AVE	<b>Auto-Related</b>	<b>No</b>		No
EL CERRITO TIRE, INC.	578 CLEVELAND AVE	<b>Auto-Related</b>	<b>No</b>		Yes
EUROPEAN MOTOR WORKS	618 SAN PABLO AVE	<b>Auto-Related</b>	<b>No</b>		No
HERTZ CAR RENTAL	1061 SAN PABLO AVE	<b>Auto-Related</b>	<b>No</b>		No
HUTCHISON ELECTRIC AUTO REPAIR/VINTAGE SPIRIT	544 CLEVELAND AVE STE D	<b>Auto-Related</b>	<b>No</b>		No
J.J.'S AUTO DETAIL	1085A EASTSHORE HWY	<b>Auto-Related</b>	<b>No</b>		No
KAADY CAR WASH	400 SAN PABLO AVE	<b>Auto-Related</b>	<b>No</b>		No
MAX'S AUTO SERVICES	1111 SAN PABLO AVE	<b>Auto-Related</b>	<b>No</b>		No
MUFFLER WORKS	1085 EASTSHORE HWY STE B	<b>Auto-Related</b>	<b>No</b>		No
NIPPON EUROPEAN MOTORS	730 SAN PABLO AVE	<b>Auto-Related</b>	<b>No</b>		No
SUPER AUTO REPAIR	630 SAN PABLO AVE	<b>Auto-Related</b>	<b>No</b>		No
TOYOTA OF BERKELEY	1025 EASTSHORE HWY	<b>Auto-Related</b>	<b>No</b>		No
UNITED TRANSMISSIONS	810 SAN PABLO AVE	<b>Auto-Related</b>	<b>No</b>		No
938 CRAWFISH CORPORATION	938 SAN PABLO AVE	Retail food facility	<b>No</b>		No
AANGAN	854 SAN PABLO AVE	Retail food facility	<b>No</b>		No
ALBANY BOWL CAFÉ	540 SAN PABLO AVE	Retail food facility	<b>No</b>		No
ALBANY PIZZA CO.	600 SAN PABLO AVE STE 107	Retail food facility	<b>No</b>		No
AL'S BIG BURGERS	437 SAN PABLO AVE	Retail food facility	<b>No</b>		Yes
AS YOU WISH	1205 SOLANO AVE	Retail food facility	<b>No</b>		No
BISTRO 1491	1491 SOLANO AVE	Retail food facility	<b>No</b>		No
BOWL'D	1479 SOLANO AVE	Retail food facility	<b>No</b>		No
BRITT-MARIE'S	1369 SOLANO AVE	Retail food facility	<b>No</b>		No
BUA LUANG CORPORATION	1166 SOLANO AVE	Retail food facility	<b>No</b>		No
BURGER DEPOT	1114 SOLANO AVE	Retail food facility	<b>No</b>		No
CAFE INA	1389 SOLANO AVE	Retail food facility	<b>No</b>		No
CAFE RAJ	1158 SOLANO AVE	Retail food facility	<b>No</b>		No
CAFE VALPARAISO	1403 SOLANO AVE	Retail food facility	<b>No</b>		No
CASPER'S HOT DOGS	545 SAN PABLO AVE	Retail food facility	<b>No</b>		No
CHINA VILLAGE	1331 SOLANO AVE	Retail food facility	<b>No</b>		No
CHRISTOPHER'S NOTHING FANCY	1021 SAN PABLO AVE	Retail food facility	<b>No</b>		No
CUGINI	1556 SOLANO AVE	Retail food facility	<b>No</b>		No
DOMINO'S PIZZA #7902	1421 SOLANO AVE	Retail food facility	<b>No</b>		No
EUNICE GOURMET	1162 SOLANO AVE	Retail food facility	<b>No</b>		No

FONDA ALBANY/1501 SOLANO AVE LLC	1501 SOLANO AVE	Retail food facility	<b>No</b>		No
FOUR CORNER CAFE	862 SAN PABLO AVE	Retail food facility	<b>No</b>		No
GOLDEN GRAIN RESTAURANT	917 SAN PABLO AVE	Retail food facility	<b>No</b>		No
GORDO TAQUERIA #3 INC	1423 SOLANO AVE	Retail food facility	<b>No</b>		No
GRAZZY BURGER/ALBANY PUB LLC	747 SAN PABLO AVE	Retail food facility	<b>No</b>		No
HAPPY DONUT	940 SAN PABLO AVE	Retail food facility	<b>No</b>		No
HOUSE OF CURRIES	1497 SOLANO AVE	Retail food facility	<b>No</b>		Yes
JODIE'S RESTAURANT	902 MASONIC AVE	Retail food facility	<b>No</b>		No
KATHMANDU INC.	1410 SOLANO AVE STE B	Retail food facility	<b>No</b>		No
KIM'S CAFE AND SANDWICHES	1309 SOLANO AVE STE F	Retail food facility	<b>No</b>		No
LA VAL'S PIZZA OF ALBANY	751 SAN PABLO AVE	Retail food facility	<b>No</b>		No
LANESPLITTER PIZZA	1051 SAN PABLO AVE	Retail food facility	<b>No</b>		No
LAO/THAI KITCHEN	1406 SOLANO AVE	Retail food facility	<b>No</b>		No
LITTLE STAR SOLANO, LLC	1175 SOLANO AVE	Retail food facility	<b>No</b>		No
LOCAL 123	1330 SOLANO AVE	Retail food facility	<b>No</b>		No
MANGIA MANGIA RESTAURANT	755 SAN PABLO AVE	Retail food facility	<b>No</b>		No
MONTERO'S	1106 SOLANO AVE	Retail food facility	<b>No</b>		No
MUANG THAI RESTAURANT INC.	905 SAN PABLO AVE	Retail food facility	<b>No</b>		Yes
NIZZA LA BELLA	827 SAN PABLO AVE	Retail food facility	<b>No</b>		No
OORI FOODS	1247 SOLANO AVE	Retail food facility	<b>No</b>		No
POTALA ORGANIC CAFE	1045 SAN PABLO AVE	Retail food facility	<b>No</b>		No
RENDEZ-VOUZ CAFE BISTRO	1111 SOLANO AVE	Retail food facility	<b>No</b>		No
RENEE'S PLACE	1477 SOLANO AVE	Retail food facility	<b>No</b>		No
ROUND TABLE PIZZA/BAY RESTAURANT MANAGEMENT	962 SAN PABLO AVE	Retail food facility	<b>No</b>		Yes
ROYAL CAFE	811 SAN PABLO AVE	Retail food facility	<b>No</b>		No
ROYAL GROUND COFFEE	1127 SOLANO AVE	Retail food facility	<b>No</b>		No
SAFEWAY STORES INC #676	1500 SOLANO AVE	Retail food facility	<b>No</b>		Yes
SAM'S LOG CABIN	945 SAN PABLO AVE	Retail food facility	<b>No</b>		No
SERVES YOU RIGHT CATERING	1249 MARIN AVE	Retail food facility	<b>No</b>		No
SEVEN-ELEVEN #468-186	1540 SOLANO AVE	Retail food facility	<b>No</b>		No
SIZZLER #287/ AAA SIZZLE, INC	665 SAN PABLO AVE	Retail food facility	<b>No</b>		No
SOLANO GRILL	1133 SOLANO AVE	Retail food facility	<b>No</b>		No
SOLANO YOGURT AND ICECREAM	1415 SOLANO AVE	Retail food facility	<b>No</b>		No

SUBWAY SANDWICHES & SALADS	900 SAN PABLO AVE	Retail food facility	<b>No</b>		No
SUGATA RESTAURANT	1105 SOLANO AVE	Retail food facility	<b>No</b>		No
SUMO SUSHI/ MGL SUMO CORPORATION	977 SAN PABLO AVE	Retail food facility	<b>No</b>		No
SUNNY SIDE UP	1499 SOLANO AVE	Retail food facility	<b>No</b>		No
SUN'S PLACE	1600 POSEN AVE	Retail food facility	<b>No</b>		No
DELHI DINER	1373 SOLANO AVE	Retail food facility	<b>No</b>		Yes
SUZETTE CREPE CAFE	1226 SOLANO AVE	Retail food facility	<b>No</b>		No
TACO BELL #896	635 SAN PABLO AVE	Retail food facility	<b>No</b>		No
TACOS EL AUTLENSE	601 SAN PABLO AVE	Retail food facility	<b>No</b>		Yes
TARGET STORE T-1926	1057 EASTSHORE HWY	Retail food facility	<b>No</b>		No
TAY TAH CAFE	1182 SOLANO AVE	Retail food facility	<b>No</b>		No
THE CAPE COD	1150 SOLANO AVE	Retail food facility	<b>No</b>		Yes
THE HOT SHOP	909 SAN PABLO AVE	Retail food facility	<b>No</b>		No
THE PEARL HOUSE	809 SAN PABLO AVE	Retail food facility	<b>No</b>		No
WHITE LOTUS THAI CUISINE	843 SAN PABLO AVE	Retail food facility	<b>No</b>		No
ZAKI CAFÉ/ZAKI FOODS INC	1101 SAN PABLO AVE	Retail food facility	<b>No</b>		No
ALBANY STEEL INCORPORATED	536 CLEVELAND AVE	Industrial	<b>No</b>		No
ALLIED BUILDING PRODUCTS CORP	1077 EASTSHORE HWY	Industrial	<b>No</b>		No
BAYARC INC.	536 CLEVELAND AVE	Industrial	<b>No</b>		Yes
IJK CO, INC. DBA BAYSHORE SUPPLY	600 CLEVELAND AVE	Industrial	<b>No</b>		No
LUMBER LIQUIDATORS	1061 EASTSHORE HWY STE 120	Industrial	<b>No</b>		No
PACIFIC STANDARD SERVICE	1061 EASTSHORE HWY STE 103	Industrial	<b>No</b>		Yes
THE ADHESIVE PRODUCTS INC	520 CLEVELAND AVE	Industrial	<b>Yes</b>		No
THE LUMBER BARON, INC.	500 CLEVELAND AVE	Industrial	<b>No</b>		No
GOLDEN GATE FIELDS	1100 EASTSHORE HWY	Corp yard	<b>No</b>		Yes
CITY MAINTENANCE YARD	548 CLEVELAND AVE	Corp yard	<b>No</b>		Yes

**Total number of businesses: 111**

**Medium/Low Priority Businesses for Inspection<sup>2</sup> Are Inspected Less Frequently Than Once a Year**

<b>Name of Business</b>	<b>Address</b>	<b>Type of Business</b>	<b>Has Industrial General Permit Coverage?</b>	<b>Comments</b>	<b>Scheduled for Inspection in FY 2012/13<sup>5</sup></b>
ALBANY WASHING WELL	749 SAN PABLO AVE	Cleaning	<b>No</b>		No
CLEAN LIVING CLEANERS	1538 SOLANO AVE	Cleaning	<b>No</b>		No
HIGHLAND LAUNDRY CENTER	942 SAN PABLO AVE	Cleaning	<b>No</b>		Yes
NORGE CLEANERS/SATIN ENT.,LLC	398 SAN PABLO AVE	Cleaning	<b>No</b>		No
NORTH BERKELEY LAUNDER INN	1513 SOLANO AVE	Cleaning	<b>No</b>		No
ONE HOUR MARTINIZING	1275 SOLANO AVE	Cleaning	<b>No</b>		No
ROYAL CLEANERS	814 SAN PABLO AVE	Cleaning	<b>No</b>		Yes
SOLANO CLEANETTE SERVICE	1425 SOLANO AVE	Cleaning	<b>No</b>		No
SOLANO CLEANING CENTER & CLEAN DRAPES ON SITE	1219 SOLANO AVE	Cleaning	<b>No</b>		No
THE LAUNDROMAT	1408 SOLANO AVE	Cleaning	<b>No</b>		No
FLOWERLAND NURSERY	1330 SOLANO AVE	Nursery	<b>No</b>		No
LA VIE EN ROSE	1272 SOLANO AVE	Nursery	<b>No</b>		No
SUMMER WINDS NURSERY	1057 EASTSHORE HWY # A	Nursery	<b>No</b>		Yes
ALBANY SAUNA	1002 SOLANO AVE	Hot tubs/Sauna	<b>No</b>		No

**Total number of businesses: 14**

**Total number of businesses to be inspected: 22**

**Grand total number of businesses on the Inspection List: 125**

# Material Safety Data Sheet

## ASTRO® INSECTICIDE

MSDS #: 1547-A  
Revision Date: 2013-09-30  
Version 0.02



This MSDS has been prepared to meet U.S. OSHA Hazard Communication Standard 29 CFR 1910.1200  
And Canadian Workplace Hazardous Materials Information System (WHMIS) requirements.

### 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product name</b>	ASTRO® INSECTICIDE
<b>Formula code</b>	1547-A
<b>Active Ingredient(s)</b>	Permethrin
<b>Synonyms</b>	FMC 33297; 3-phenoxybenzyl (1RS,3RS;1RS,3SR)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate; (3-phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate
<b>Chemical Family</b>	Pyrethroid Pesticide
<b>Recommended use:</b>	Insecticide
<b><u>Manufacturer</u></b>	<b><u>Emergency telephone number</u></b>
FMC Corporation Agricultural Products Group 1735 Market Street Philadelphia, PA 19103 General Information: Phone: (215) 299-6000 E-Mail: msdsinfo@fmc.com	Medical Emergencies: 1 800 / 331-3148 (PROSAR - U.S.A. & Canada) 1 651 / 632-6793 (PROSAR - All Other Countries - Collect) For leak, fire, spill or accident emergencies, call: 1 800 / 424 9300 (CHEMTREC - U.S.A.) 1 703 / 527 3887 (CHEMTREC - Collect - All Other Countries)

### 2. HAZARDS IDENTIFICATION

<b><u>Appearance</u></b>	amber liquid
<b><u>Physical state</u></b>	Liquid
<b><u>Odor</u></b>	Faint hydrocarbon
<b><u>Physical or Chemical Hazards</u></b>	
<b>Flammable properties</b>	Combustible liquid
<b><u>Potential health effects</u></b>	
<b>Acute effects</b>	
<b>Eyes</b>	May cause slight irritation.
<b>Skin</b>	Irritating to skin.

**Inhalation** Inhalation of vapors in high concentration may cause irritation of respiratory system. May cause drowsiness and dizziness.

**Ingestion** Harmful if swallowed. Potential for aspiration if swallowed. May cause drowsiness and dizziness. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Chronic effects** May cause adverse kidney effects. May cause adverse liver effects.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Hazardous ingredients**

Chemical Name	CAS-No	Weight %
Permethrin	52645-53-1	36.8
1,1'-Biphenyl, bis(1-methylethyl)-	69009-90-1	20-30
Petroleum distillates, hydrotreated light	64742-47-8	10-20

**4. FIRST AID MEASURES**

**Eye contact** Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.

**Skin contact** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**Inhalation** Move person to fresh air. If person is not breathing, call 911 (within the U.S. and Canada) or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**Ingestion** Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not induce vomiting or give anything by mouth to an unconscious person.

**Notes to physician** Contains petroleum distillate. Vomiting may cause aspiration pneumonia. This product is a pyrethroid. If large amounts have been ingested, the stomach and intestines should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and so should be avoided.

**5. FIRE-FIGHTING MEASURES**

**Flammable properties** Combustible liquid

**Flash Point** 66-68 °C / 151-154 °F

**Method** Tag Closed Cup

**Sensitivity to Mechanical Impact** Not applicable

**Sensitivity to Static Discharge** Not applicable

**Suitable extinguishing media** Foam. Carbon dioxide (CO<sub>2</sub>). Dry chemical. Water spray or fog.

**Protective equipment and precautions for firefighters** As in any fire, wear self-contained breathing apparatus and full protective gear. Isolate fire area. Evaluate downwind.

**NFPA**

<b>Health Hazard</b>	0
<b>Flammability</b>	1

Stability 0  
 Special Hazards -

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions** Isolate and post spill area. Wear suitable protective clothing, gloves and eye/face protection. For personal protection see section 8.

**Environmental precautions** Keep people and animals away from and upwind of spill/leak. Keep material out of lakes, streams, ponds, and sewer drains.

**Methods for cleaning up** Sweep up and shovel into suitable containers for disposal. Clean and neutralize spill area, tools and equipment by washing with bleach water and soap. Absorb rinsate and add to the collected waste. Waste must be classified and labeled prior to recycling or disposal. Dispose of waste as indicated in Section 13.

**Other** For further clean-up instructions call FMC Emergency Hotline number listed in Section 1 "Product and Company Identification" above.

**7. HANDLING AND STORAGE**

**Handling** Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal.

**Storage** Keep in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep out of reach of children and animals. Store in original container only.

**8. EXPOSURE CONTROL / PERSONAL PROTECTION**

Exposure guidelines

Chemical Name	British Columbia	Quebec	Ontario TWAEV	Alberta
Petroleum distillates, hydrotreated light 64742-47-8	TWA: 200 mg/m <sup>3</sup> Skin			

Occupational exposure controls

**Engineering measures** Apply technical measures to comply with the occupational exposure limits. Ensure adequate ventilation, especially in confined areas. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

Personal Protective Equipment

**General Information** If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers. These recommendations apply to the product as supplied.

**Respiratory protection** For dust, splash, mist or spray exposures wear full-face elastomeric half mask respirator with appropriate cartridges and/or filters, which is approved for pesticides (U.S. NIOSH/MSHA, EU CEN or comparable certification organization).

**Eye/face protection** For dust, splash, mist or spray exposure, wear chemical protective goggles or a face-shield

**Skin and body protection** Wear long-sleeved shirt, long pants, socks, shoes, and gloves.

**Hand protection** Protective gloves

**Hygiene measures**

Clean water should be available for washing in case of eye or skin contamination. Wash skin prior to eating, drinking, chewing gum or using tobacco. Shower or bathe at the end of working. Remove and wash contaminated clothing before re-use. Launder work clothing separately from regular household laundry.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance	amber liquid
Color	amber
Physical state	Liquid
Odor	Faint hydrocarbon
pH	4 @ 25 °C (5% solution)
Melting Point/Range	No information available.
Freezing point	No information available.
Boiling Point/Range	Not applicable
Flash Point	66-68 - 68 °C / 151-154 154 °F Tag Closed Cup
Evaporation rate	Not applicable
Flammable properties	Combustible liquid
Vapor pressure	No information available.
Vapor density	No information available.
Density	8.61 lb/gal
Specific Gravity	1.033 @ 201 °C
Water solubility	Emulsifies
Percent volatile	No information available.
Partition coefficient:	Not applicable
Viscosity	No information available.

## 10. STABILITY AND REACTIVITY

Stability	Stable.
Conditions to avoid	Excessive heat, Extreme risk of explosion by shock, friction, fire or other sources of ignition
Hazardous decomposition products	Chlorine, Hydrogen chloride, Carbon oxides, Aldehydes.
Hazardous polymerization	Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute effects

Eye contact	May cause slight irritation
Skin contact	Irritating to skin
Ingestion	Large toxic doses of the formulated product, administered to laboratory animals, have produced central nervous system effects with symptoms that include hypersensitivity to touch and sound, tremors, and clonic convulsions. Vomiting after ingestion of this product may cause aspiration of aromatic hydrocarbons into the lungs, which may result in fatal pulmonary edema.
Inhalation	In animals overexposure has produced symptoms such as squinting eyes, irregular and rattling breathing, and ataxia. Inhalation of hydrocarbon vapors may cause headaches, dizziness, disturbances in vision, drowsiness, respiratory irritation, anesthesia, unconsciousness, and other central nervous system effects.
LD50 Dermal	> 2,000 mg/kg (rabbit)
LD50 Oral	998 mg/kg (Rat)
LC50 Inhalation:	> 4.3 mg/L 4 hr (Rat)
Sensitization	May cause sensitization of susceptible persons.

**Chronic effects**

- Chronic Toxicity** May cause adverse kidney effects. May cause adverse liver effects.
- Carcinogenicity** Not recognized as carcinogenic by Research Agencies (IARC, NTP, OSHA, ACGIH).
- Mutagenicity** Permethrin: Did not show mutagenic effects in animal experiments.
- Reproductive toxicity** Permethrin: No toxicity to reproduction.
- Neurological Effects** Permethrin: Clinical signs of neurotoxicity include altered motor activity and FOB effects, with no signs of histopathology
- Developmental Toxicity** Permethrin: Not teratogenic in animal studies
- Target Organ Effects** Permethrin: Long-term feeding studies in animals resulted in increased liver and kidney weights, induction of the liver microsomal drug metabolizing enzyme system and histopathological changes in the lungs and liver.
- Chronic Toxicity - Other Ingredient(s)** Chronic exposure to aromatic hydrocarbons may cause headaches, dizziness, loss of sensations or feelings (such as numbness), and liver and kidney damage.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Permethrin (52645-53-1)				
Active Ingredient(s)	Duration	Species	Value	Units:
Permethrin	LC50	aquatic arthropods	0.02 - 7.6	µg/L
	LC50	Fish	0.05 - 315	µg/L
	LD50 Oral	Bobwhite quail	>5200	mg/kg
	LD50 Oral	Mallard duck	>5200	mg/kg
	LD50	Bee	0.026 - 0.17	µg/bee

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Permethrin		LC50 0.008 - 0.03 mg/L Pimephales promelas 96 h LC50 0.001 - 0.009 mg/L Pimephales promelas 96 h LC50= 0.015 mg/L Cyprinus carpio 96 h LC50 0.0052 - 0.0077 mg/L Cyprinus carpio 96 h LC50= 0.00079 mg/L Lepomis macrochirus 96 h LC50= 0.0108 mg/L Lepomis macrochirus 96 h LC50 0.00188 - 0.00336 mg/L Lepomis macrochirus 96 h LC50 0.00049 - 0.00097 mg/L Oncorhynchus mykiss 96 h LC50 0.0017 - 0.0048 mg/L Oncorhynchus mykiss 96 h		
Petroleum distillates, hydrotreated light		LC50= 45 mg/L Pimephales promelas 96 h LC50= 2.2 mg/L Lepomis macrochirus 96 h LC50= 2.4 mg/L Oncorhynchus mykiss 96 h		LC50 = 4720 mg/L 96 h

**Environmental Fate**

Permethrin (52645-53-1)		
Active Ingredient(s)	Type of Test	Result
Permethrin	Bioconcentration factor (BCF) Bluefill sunfish (Lepomis macrochirus)	535
	Half-life in soil	~30 days
	log Pow	6.1
	Mobility in soil	Not expected to reach groundwater
	Stability in water	Stable to hydrolysis over a wide range of pH values.

### 13. DISPOSAL CONSIDERATIONS

**Waste disposal methods** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is prohibited. If these wastes cannot be disposed of by use according to label instructions, contact appropriate disposal authorities for guidance.

**Contaminated packaging** Containers must be disposed of in accordance with local, state and federal regulations. Refer to the product label for container disposal instructions.

### 14. TRANSPORT INFORMATION

**DOT** Not regulated for transportation if shipped in Non Bulk packaging. The classification below pertains to the shipment in Bulk packaging.

<b>Packaging Type</b>	Bulk
<b>Proper shipping name</b>	Combustible liquid, n.o.s.
<b>UN/ID No</b>	NA1993
<b>Hazard Class</b>	Combustible
<b>Packing group</b>	III
<b>Description</b>	NA1993, Combustible liquid, n.o.s. (Aromatic hydrocarbons), III

**TDG** The "Marine Pollutant" marking is only applicable when shipped by vessel or air, and is not applicable when shipped only by road or rail in Canada.

<b>UN/ID No</b>	UN3082
<b>Proper shipping name</b>	Environmentally hazardous substance, liquid, n.o.s.
<b>Hazard Class</b>	9
<b>Packing group</b>	III
<b>Marine pollutant</b>	Permethrin.
<b>Description</b>	UN3082, Environmentally hazardous substance liquid n.o.s. (Permethrin), 9, III

**ICAO/IATA**

<b>UN/ID No</b>	UN3082
<b>Proper shipping name</b>	Environmentally hazardous substance, liquid, n.o.s.
<b>Hazard Class</b>	9
<b>Packing group</b>	III
<b>Marine pollutant</b>	Permethrin
<b>Description</b>	UN3082, Environmentally hazardous substance liquid n.o.s. (Permethrin), 9, III
<b>Limited quantity</b>	914 / 450 L

**IMDG/IMO**

<b>UN/ID No</b>	UN3082
<b>Proper shipping name</b>	Environmentally hazardous substance, liquid, n.o.s.
<b>Hazard Class</b>	9
<b>Packing group</b>	III



**16. OTHER INFORMATION**

**Revision Date:** 2013-09-30  
**Reason for revision:** No information available.

**Disclaimer**

FMC Corporation believes that the information and recommendations contained herein (including data and statements) are accurate as of the date hereof. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specified product designated and may not be applicable where such product is used in combination with any other materials or in any process. Use of this product is regulated by the U.S. Environmental Protection Agency (EPA). It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Further, since the conditions and methods of use are beyond the control of FMC Corporation, FMC corporation expressly disclaims any and all liability as to any results obtained or arising from any use of the products or reliance on such information.

**Prepared By**

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**End of Material Safety Data Sheet**































# Free Curbside On Call Bulky Item Pickup

Service available to Albany single-family and duplex properties.



**Schedule this service once per year  
to get rid of items too large for your trash cart.**

**Call Waste Management at (510) 613-8710**



**to schedule free pickup.**



[www.albanyca.org/albanyrecycles](http://www.albanyca.org/albanyrecycles)



# Free CFL Recycling

For all Albany residential customers with recycling cart service.



California law prohibits the disposal of Compact Fluorescent Light (CFL) bulbs in your trash cart. They contain mercury and are a household hazardous waste.

Call Waste Management at **(510) 613-8710**



for your **free** Vaporlok Foil Bag.



[www.albanyca.org/albanyrecycles](http://www.albanyca.org/albanyrecycles)



# CFL BULB RECYCLING

IT'S FREE, EASY & RIGHT FROM YOUR HOME



As part of the new Franchise Agreement, Waste Management of Alameda County is proud to provide curbside collection of Compact Fluorescent Light (CFL) bulbs to residents of Albany.

C.11 CFL Postcard

# Free Curbside CFL Collection

CFLs do not belong in your trash cart. They contain mercury and are a household hazardous waste. Now you can collect CFLs for curbside recycling with your free Vaporlok Foil Bag (“bag”).

- Place up to six used, unbroken CFLs inside the bag & re-seal.  
*For broken bulbs, follow the EPA’s clean-up instructions: [www.epa.gov/mercury/spills](http://www.epa.gov/mercury/spills).*
- Keep bag sealed at all times.
- Do not re-open bag if bulbs break while inside.
- Store CFLs & bag in a safe place away from children & pets.
- Seal & place full bag on top of your gray recyclables cart for collection.

Contact WM Customer Center at (510) 613-8710 or via e-mail at [OakRSSer@wm.com](mailto:OakRSSer@wm.com) to request your free bag.

## You are also entitled to other specialty item services:



### Household Batteries Can Be Recycled

Place batteries in a clear plastic bag, seal shut & place on the top of the gray recyclables cart.



### Free Annual Bulky Pick Up

Call Waste Management at (510) 613-8710 to schedule your annual free bulky pick up.



172 98<sup>th</sup> Avenue  
Oakland, CA 94603

Return Service Requested

