

**"EXAMPLE CERTIFICATION LETTER"**

October 30, 2017

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

Ms. Pamela Creedon, Executive Officer  
California Regional Water Quality Control Board  
Central Valley Region  
11020 Sun Center Drive, #200  
Rancho Cordova, CA 95670-6114

Dear Mr. Wolfe and Ms. Creedon:

Enclosed is the 2016-17 Annual Report for the County of Contra Costa, which is required by and in accordance with Provision C.17 in National Pollutant Discharge Elimination System (NPDES) Permit Number CAS612008 issued by the San Francisco Bay Regional Water Quality Control Board and/or by Provision C.13 in NPDES Permit Number CA0083313 issued by the Central Valley Regional Water Quality Control Board.

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

Sincerely,

A handwritten signature in cursive script that reads "Cece Sellgren".

Cece Sellgren  
Stormwater Manager  
Contra Costa County Watershed Program

Enclosure

-ATTACHMENT B

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Permittee Name: \_\_\_\_\_

## Section 1 – Permittee Information

<b>Background Information</b>					
<b>Permittee Name:</b>	Contra Costa County				
<b>Population:</b>	173,454 (Source: 2016 California Department of Finance, <a href="#">Department of Finance Population Estimates of Cities, County, and the State</a> )				
<b>NPDES Permit No.:</b>	CAS612008 (San Francisco Bay RWQCB Permit) and/or CA00883313 (Central Valley RWQCB Permit)				
<b>Order Number:</b>	R2-2015-0049 (San Francisco Bay RWQCB Permit) and/or R5-2010-0102 (Central Valley RWQCB Permit)				
<b>Reporting Time Period (month/year):</b>	July 2016 through June 2017				
<b>Name of the Responsible Authority:</b>	David Twa			<b>Title:</b>	County Administrator
<b>Mailing Address:</b>	651 Pine Street				
<b>City:</b>	Martinez	<b>Zip Code:</b>	94553	<b>County:</b>	Contra Costa
<b>Telephone Number:</b>	925-335-1080		<b>Fax Number:</b>	925-335-1098	
<b>E-mail Address:</b>	David.twa@cao.cccounty.us				
<b>Name of the Designated Stormwater Management Program Contact (if different from above):</b>	Cece Sellgren		<b>Title:</b>	Stormwater Manager	
<b>Department:</b>	Public Works				
<b>Mailing Address:</b>	255 Glacier Dr				
<b>City:</b>	Martinez	<b>Zip Code:</b>	94553	<b>County:</b>	Contra Costa
<b>Telephone Number:</b>	925-313-2296		<b>Fax Number:</b>	925-313-2296	
<b>E-mail Address:</b>	Cece.sellgren@pw.cccounty.us				

Section 2 - Provision C.2 Reporting Municipal Operations

**Program Highlights and Evaluation**

Highlight/summarize activities for reporting year:

Summary:

Contra Costa County (CCC) participated in the Contra Costa Clean Water Program's Municipal Operations Committee. Refer to the C.2 Municipal Operations section of the CCCWP's PY 2016-17 Annual Report for a description of activities implemented at the countywide and/or regional level.

County Watershed Program (CWP) staff coordinated with County Public Works Department (PWD) Maintenance Division management and crews throughout the year to ensure the implementation of stormwater best management practices during municipal maintenance activities. This PY 2016-17 CCC's municipal operations recovered approximately 2,515 cubic yards of debris from street sweeping. Our contractor continues to provide monthly street sweeping for curbed streets in unincorporated Contra Costa County and provides additional bi-monthly street sweeping to commercial areas in high trash generating areas.

Maintenance crews removed 884 cubic yards of sediment, vegetation and debris from cleaning ditches; removed 78,605 cubic yards of debris from cleaning 4,264 catch basins and collected 202 cubic yards of debris and sediment from inspecting and cleaning an additional 4,367 catch basins.

**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: Prior to each season's municipal activities (e.g. catch basin cleaning, storm patrol, surface treatment, pavement maintenance, slide repair etc.) CCC Maintenance crews are trained in each task's Activity Description/Standard Operating Procedures. These trainings include written descriptions of the work to be performed, planning criteria, work method, and check points. Throughout each tasks' Activity Descriptions there are numerous references to stormwater pollution prevention practices.

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**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>N/A</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>N/A</b>	Implementation of the BASMAA Mobile Surface Cleaner Program BMPs
Comments: <b>N/A</b>	

**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>N/A</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: Contra Costa County (CCC) Maintenance crews use all appropriate BMPs for road and bridge repair/maintenance work to protect the MS4 system. Crews follow Caltrans Storm Water Quality Handbook Maintenance Guide, May 2003. Graffiti and tagging are removed by painting or wiping with aerosol cleansers. Contracts for major County projects have BMP requirements that contractors must adhere to.	

CCC bridge crews utilize drop cloths, silt fencing, straw wattles and filter fabric on storm drains where appropriate. Job sites are left clean after work is completed. Graffiti abatement is generally performed by spraying over graffiti with primer paint or wiping off localized tagging, such as on street signs, with aerosol paint remover and a rag. All waste generated from these activities is taken to the County Corporation Yard's hazardous waste storage area and properly disposed of by a hazardous waste management contractor.

On April 6, 2017 Public Works Department (PWD) Maintenance staff attended the Stormwater and Hazardous Substances Awareness and First Responder Operations Annual Refresher training by the Maintenance and the Health Service Department Hazardous Material Programs Certified Trainer. The training included segments on the Corp Yard's Stormwater Pollution Prevention Plans (SWPPPs), non-storm water discharges and appropriate best management practices, Emergency Contingency Plan, Hazardous Substances Awareness, Spill Clean-up Procedures, and basic Hazardous Waste Management and Hazardous Materials Emergency Response. Staff in attendance included 62 crew staff, 87% of Maintenance staff.

Some bridge and structural maintenance activities are conducted in-house by CCC Maintenance crews whose Standard Operational Procedures require collection and proper disposal of all wastes, including spoils, in accordance with the Caltrans Storm Water Quality Handbook Maintenance Staff Guide, May 2003. The PWD Design/Construction Division is responsible for putting together plans and contract specifications for more specialized activities such as bridge deck methacrylate treatments and structural repairs. These projects are then bid out for construction by contractors. CCC's contractors adhere to the project's contract specifications and Caltrans Standard Specifications, which include language and oversight mandating the proper collection and disposal of all wastes. Construction resident engineers inspect projects and ensure stormwater BMPs are followed.

C.2.e. ► Rural Public Works Construction and Maintenance	
Does your municipality own/maintain rural <sup>1</sup> roads?:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If your answer is <b>No</b> then skip to C.2.f.	
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 checked="" type="checkbox"/> Y	Control of road-related erosion and sediment transport from road design, construction, maintenance, and repairs in rural areas
<input checked="" type="checkbox"/> Y	Identification and prioritization of rural road maintenance based on soil erosion potential, slope steepness, and stream habitat resources
<input checked="" type="checkbox"/> Y	No impact to creek functions including migratory fish passage during construction of roads and culverts
<input checked="" type="checkbox"/> Y	Inspection of rural roads for structural integrity and prevention of impact on water quality
<input checked="" type="checkbox"/> Y	Maintenance of rural roads adjacent to streams and riparian habitat to reduce erosion, replace damaging shotgun culverts and excessive erosion
<input checked="" type="checkbox"/> Y	Re-grading of unpaved rural roads to slope outward where consistent with road engineering safety standards, and installation of water bars as appropriate
<input checked="" type="checkbox"/> Y	Inclusion of measures to reduce erosion, provide fish passage, and maintain natural stream geomorphology when replacing culverts or design of new culverts or bridge crossings
<p>Comments including listing increased maintenance in priority areas:</p> <p>PWD Maintenance Division prioritizes maintenance projects according to several criteria for pavement and drainage maintenance, and annual catch basin/culvert inspection and cleaning. Road projects implement standard BMPs to minimize erosion and sediment transport related to road construction and maintenance. In addition to assessing structural integrity, road crew inspections assess roads' impacts to water quality. Water quality impacts are a basis for scheduling and prioritizing maintenance projects. Road design standards are intended to minimize impacts to water quality. In order to minimize erosion and impacts to fish passage and stream geomorphology, replacement of culverts and bridge crossing is only carried out in dry weather and with all required environmental permits in place.</p> <p>County Maintenance crews follow the creek protective BMPs outlined in the Routine Maintenance Agreement (RMA) with the California Department of Fish and Wildlife for road maintenance activities located adjacent to waterways, including bank stabilization and roadway</p>	

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

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shoulder repairs. The RMA requires specific environmental management activities, including preparation of semi-annual notification reports; limits on heavy equipment usage; measures to protect fish and wildlife resources; and BMPs to minimize disruptions to habitat. If work is near a creek or waterway a copy of the current Fish & Game RMA is required to be onsite at all times.



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

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

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

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

<input checked="" type="checkbox"/>	Control of pollutant discharges to storm drains such as wash waters from cleaning vehicles and equipment
<input checked="" type="checkbox"/>	Routine inspection prior to the rainy seasons of corporation yard(s) to ensure non-stormwater discharges have not entered the storm drain system
<input 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: **N/A**

If you have a corporation yard(s) that is not an NOI facility, complete the following table for inspection results for your corporation yard(s) or attach a summary including the following information:

Corporation Yard Name	Corp Yard Activities w/ site-specific SWPPP BMPs	Inspection Date <sup>2</sup>	Inspection Findings/Results	Date and Description of Follow-up and/or Corrective Actions
CCC Public Works Martinez	Equipment Storage, Material Storage, Equipment Fueling, Spill Clean-up, Employee Training	9/29/16, 10/5/16, 1/30/17	1. Stormwater downspout located upstream of material storage. 2. Some container leakage and containers that could cause a discharge.	1. Downspout was re-routed to downstream of the stored materials. 2. Material storage area reorganized and a better

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

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			3. Debris and trash on-site.	system of secondary containment put into place. 3. Some debris and trash cleaned.
CCC Public Works Brentwood	Equipment Storage, Material Storage, Equipment Fueling, Spill Clean-up, Employee Training	9/29/16, 10/8/16	Stormwater best management practices being implemented	NA

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

**C.3.b.iv.(1) ► Regulated Projects Approved Prior to C.3 Requirements**

(For FY 2016-17 Annual Report only) Does your agency have any Regulated Projects that were approved with no Provision C.3 stormwater treatment requirements under a previous MS4 permit and that did not begin construction by January 1, 2016 (i.e., that are subject to Provision C.3.b.i.(2)?

<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
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If yes, complete attached Table C.3.b.iv.(1).

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

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

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

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

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

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

1. In FY 2016-17, has your agency received, but not yet granted final discretionary approval of, a development permit application for a project that has been identified as a potential Special Project based on criteria listed in MRP Provision C.3.e.ii(2) for any of the three categories of Special Projects (Categories A, B or C)?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
2. In FY 2016-17, has your agency granted final discretionary approval to a Special Project? If yes, include the project in both the <b>C.3.b.iv.(2)</b> Table, and the <b>C.3.e.v.</b> Table.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
	<input type="checkbox"/>		<input type="checkbox"/>	
If you answered "Yes" to either question, 1) Complete Table C.3.e.v. 2) Attach narrative discussion of 100% LID Feasibility or Infeasibility for each project.				

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

On an annual basis, before the wet season, provide a list of newly installed (installed within the reporting year) stormwater treatment systems and HM controls to the local mosquito and vector control agency and the Water Board. The list shall include the facility locations and a description of the stormwater treatment measures and HM controls installed.

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

Site Inspections Data	
Total number of Regulated Projects (including offsite projects, and Regional Projects) in your agency's database or tabular format at the end of the previous fiscal year (FY15-16)	13
Total number of Regulated Projects (including offsite projects, and Regional Projects) in your agency's database or tabular format at the end of the reporting period (FY 16-17)	5
Total number of Regulated Projects (including offsite projects, and Regional Projects) for which O&M verification inspections were conducted during the reporting period (FY 16-17)	6
Percentage of the total number of Regulated Projects (including offsite projects, and Regional Projects) inspected during the reporting period (FY 16-17)	50% <sup>3</sup>

<sup>3</sup> Based on the number of Regulated Projects in the database or tabular format at the end of the previous fiscal year (FY 15-16), per MRP Provision C.3.h.ii.(6)(b).

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

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:  
**None.**

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: **CCC needs to improve distribution of SWCP, O&M Plans among County staff**

**C.3.h.v.(4) ► Enforcement Response Plan**

(For FY 2016-17 Annual Report only) Has your agency completed an Enforcement Response Plan for all O&M inspections of stormwater treatment measures by July 1, 2017?

<b>X</b>	Yes		No
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If No, provide schedule for completion:

**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:

The Contra Costa Clean Water Program adopted a December 1, 2012 addendum to the Stormwater C.3 Guidebook, 6th Edition. The addendum, "Preparing a Stormwater Control Plan for a Small Land Development Project," includes step-by-step instructions, a project data form, and standard specifications for runoff reduction measures. The \_\_\_\_\_ of \_\_\_\_\_'s stormwater ordinance requires that applications for development approvals for projects subject to the permit's new development requirements include a Stormwater Control Plan meeting the criteria in the most recent version of the Stormwater C.3 Guidebook.

**C.3.j.i.(5).(a) ► Green Infrastructure Framework or Work Plan**

(For FY 2016-17 Annual Report only) Was your agency's Green Infrastructure Framework or Work Plan approved by the agency's governing body, mayor, city manager, or county manager by June 30, 2017?

<b>X</b>	<b>Yes, approval documentation attached</b>	<b>No</b>
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If Yes, describe approval process and documentation:

If No, provide schedule for completion:

**C.3.j.i.(5)(d) ► Green Infrastructure Outreach**

On an annual basis, provide a summary of your agency's outreach and education efforts pertaining to Green Infrastructure planning and implementation.

Summary:

**Contra Costa County created a task force made up of staff from the Public Works Department and the Dept. of Conservation and Development. We met several times. And developed a draft framework. This was reviewed with a few comments which were incorporated. It was approved by the County Board of Supervisors on**

In addition, provide the following text.

Please refer to the CCCWP's FY 16-17 Annual Report for a summary of outreach efforts implemented at the Countywide level.

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

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

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

Background Information:

<p>Describe how this provision is being implemented by your agency, including the process used by your agency to identify projects with potential for green infrastructure, if applicable.</p> <p>Refer to the BASMAA May 6, 2016 document, “Guidance for Identifying Green Infrastructure Potential in Municipal Capital Improvement Projects”. Dan Cloak emailed this to Management Committee representatives via Groupsite on May 12, 2016.</p>
<p><u>Summary of Planning or Implementation Status of Identified Projects:</u></p> <p>See attached Tables C.3.j.ii.(2)-A and C.3.j.ii.(2)-B for the required information, and any additional notes provided here (optional).</p> <p><b>Guidance (all Permittees):</b>          Fill in attached Tables C.3.j.ii.(2)-A and C.3.j.ii.(2)-B or attach your own table including the same information. Refer to the BASMAA guidance and footnotes in the table for instructions on how to complete the table. Add any additional narrative or explanation in this box. Note that any projects listed in Table A in last year’s Annual Report should be listed again with an updated status, and any projects that were determined to be feasible for GI and funded should be moved to Table B. Do not include any Regulated Projects in these Tables. If, for some reason, you need to include Regulated Projects in these tables, add a note identifying them as Regulated Projects.</p>

**C.3.j.iii.(2) ► Participate in Processes to Promote Green Infrastructure**

<p>On an annual basis, report on the goals and outcomes during the reporting year of work undertaken to participate in processes to promote green infrastructure.</p>
<p>Please refer to the CCCWP’s FY 16-17 Annual Report, Section 3 for a summary of efforts conducted to help regional, State, and federal agencies plan, design and fund incorporation of green infrastructure measures into local infrastructure projects, including transportation projects.</p>

**C.3.j.iv.(2) ► Tracking and Reporting Progress**

<p>On an annual basis, report progress on development and implementation of methods to track and report implementation of green infrastructure measures and provide reasonable assurance that waste load allocations for TMDLs are being met.</p>
<p>Please refer to the CCCWP’s FY 16-17 Annual Report, Section 3 for a summary of methods being developed to track and report implementation of green infrastructure measures.</p>

**C.3.b.iv.(1) ► List of Regulated Projects Approved Prior to C.3 Requirements**



Project Name Project No.	Project Location <sup>4</sup> , Street Address	Type of Stormwater Treatment Required <sup>5</sup>	Type of Exemption Granted <sup>6</sup>
Delta Coves (SD80-????)	SW portion of Bethel Island	None	Project approved with vested tentative map prior to C.3 requirements

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<sup>4</sup> Include cross streets

<sup>5</sup> Indicate the stormwater treatment system required, if applicable

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

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

Project Name Project No.	Project Location <sup>7</sup> , Street Address	Name of Developer	Project Phase No. <sup>8</sup>	Project Type & Description <sup>9</sup>	Project Watershed <sup>10</sup>	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft <sup>2</sup> ) <sup>11</sup>	Total Replaced Impervious Surface Area (ft <sup>2</sup> ) <sup>12</sup>	Total Pre- Project Impervious Surface Area <sup>13</sup> (ft <sup>2</sup> )	Total Post- Project Impervious Surface Area <sup>14</sup> (ft <sup>2</sup> )
Private Projects											
MS14-0006	1202 Mountain View, Walnut Creek, CA	MMA Homes 2013 LLC % Branagh Development	NA	Single Family Res;	San Ramon Creek	.8	.7	12,215	0	145	12,215
MS14-0013	66 Crest Ave, Alamo, CA	Pacific Union Property Developers	NA	Residential with 3 single family homes	Contra Costa Co Drainage Area 13	2.01	2.01	10,206	15,681	15,681	25,887
SD13-9352	233 Driftwood Drive, Bay Point, CA	DeNova Homes	NA	50 Single Family detached homes	Contra Costa Co Drainage Area 48C	7.52	7.52	153,520	NA	0	153,520
SD14-9367	509 Parker Ave, Rodeo, CA	Michael McGhee	NA	6 lots, 1 existing SFR, 4 SFR, 1 new duplex	Contra Costa Co Drainage Area 31, Rodeo Creek	.69	.69	17,610	0	4,650	22,260
Public Projects											
Administration Center replacement	651 Pine St Martinez, CA	Contra Costa County Public Works Dept. Capital Projects Division	Planning	Office bldg. replacement + new parking structure	Alhambra Creek	TBD	TBD	TBD	TBD	TBD	TBD

<sup>7</sup>Include cross streets

<sup>8</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>9</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>10</sup>State the watershed(s) in which the Regulated Project is located. Downstream watershed(s) may be included, but this is optional.

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

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

<sup>13</sup>For redevelopment projects, state the pre-project impervious surface area.

<sup>14</sup>For redevelopment projects, state the post-project impervious surface area.

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

Project Name Project No.	Project Location <sup>7</sup> , Street Address	Name of Developer	Project Phase No. <sup>8</sup>	Project Type & Description <sup>9</sup>	Project Watershed <sup>10</sup>	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft <sup>2</sup> ) <sup>11</sup>	Total Replaced Impervious Surface Area (ft <sup>2</sup> ) <sup>12</sup>	Total Pre- Project Impervious Surface Area <sup>13</sup> (ft <sup>2</sup> )	Total Post- Project Impervious Surface Area <sup>14</sup> (ft <sup>2</sup> )
Emergency Operations Center	?? Glacier Dr, Martinez	Contra Costa County Public Works Dept. Capital Projects Division	Planning	Replacement of two County buildings	Grayson Creek	TBD	TBD	TBD	TBD	TBD	TBD

Comments: Both public projects still in preliminary design. Project data not yet available

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

Project Name Project No.	Application Deemed Complete Date <sup>15</sup>	Application Final Approval Date <sup>16</sup>	Source Control Measure s <sup>17</sup>	Site Design Measures <sup>18</sup>	Treatment Systems Approved <sup>19</sup>	Type of Operation & Maintenance Responsibility Mechanism <sup>20</sup>	Hydraul ic Sizing Criteria <sup>21</sup>	Alternative Complianc e Measures <sup>22</sup> <sup>/23</sup>	Alternative Certificatio n <sup>24</sup>	HM Controls <sup>25</sup> <sup>/26</sup>
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<sup>15</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>16</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>17</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>18</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>19</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>20</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>21</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>22</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>23</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.

C.3.b.iv.(2) ► Regulated Projects Reporting Table (part 2) – Projects Approved During the Fiscal Year Reporting Period (private projects)										
Project Name Project No.	Application Deemed Complete Date <sup>15</sup>	Application Final Approval Date <sup>16</sup>	Source Control Measure s <sup>17</sup>	Site Design Measures <sup>18</sup>	Treatment Systems Approved <sup>19</sup>	Type of Operation & Maintenance Responsibility Mechanism <sup>20</sup>	Hydraul ic Sizing Criteria <sup>21</sup>	Alternative Complianc e Measures <sup>22</sup> /23	Alternative Certificatio n <sup>24</sup>	HM Controls <sup>25</sup> /26
Private Projects										
MS14-0006	3/10/2015	1/5/2017	Stencilin g, drivewa y drains to bioreten tion area, pest resist. planting s	Permeab le paveme nt, conserve natural areas	Bioretention	Recorded O&M Agreement, owners responsible	2.c	NA	NA	Impervio us surface less than 1 acre
MS14-0013	2/16/2017	6/27/2017	Stencilin g, interior floor drains to sanitary sewer	70% area preserve d pervious, runoff to pervious areas	Bioretention	Recorded O&M Agreement	2.c	NA	NA	Impervio us surface less than 1 acre

<sup>24</sup>Note whether a third party was used to certify the project design complies with Provision C.3.d.  
<sup>25</sup>If HM control is not required, state why not.  
<sup>26</sup>If HM control is required, state control method used (e.g., method to design and size device(s) or method(s) used to meet the HM Standard, and description of device(s) or method(s) used, such as detention basin(s), bioretention unit(s), regional detention basin, or in-stream control).

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

Project Name Project No.	Application Deemed Complete Date <sup>15</sup>	Application Final Approval Date <sup>16</sup>	Source Control Measure s <sup>17</sup>	Site Design Measures <sup>18</sup>	Treatment Systems Approved <sup>19</sup>	Type of Operation & Maintenance Responsibility Mechanism <sup>20</sup>	Hydraul ic Sizing Criteria <sup>21</sup>	Alternative Complianc e Measures <sup>22</sup> /23	Alternative Certificatio n <sup>24</sup>	HM Controls <sup>25</sup> /26
SD13-9352	11/9/2015	2/14/2017	Stencilin g, minimal irrigation / pesticid e use, vehicle washing contain ed	Minimize impervio us area, runoff to pervious area,	Bioretention basin, bio- swales	Recorded O&M Agreement, developer/HO A responsible	2.c	NA	NA	CCCWP C.3 Guidebo ok
SD14-9367	5/4/2015	4/18/2017	Car washing prohibit ed low water /spray plants	Pervious paveme nt, runoff to pervious areas, setbacks from creek	Bioretention, self-treating areas	Recorded O&M Agreement, homeowners responsible	2.c	NA	NA	Impervio us surface less than 1 acre

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

Project Name Project No.	Approval Date <sup>27</sup>	Date Construction Scheduled to Begin	Source Control Measures <sup>28</sup>	Site Design Measures <sup>29</sup>	Treatment Systems Approved <sup>30</sup>	Operation & Maintenance Responsibility Mechanism <sup>31</sup>	Hydraulic Sizing Criteria <sup>32</sup>	Alternative Compliance Measures <sup>33/34</sup>	Alternative Certification <sup>35</sup>	HM Controls <sup>36/37</sup>
Public Projects										
Administration Center Replacement	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Emergency Operations Center	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Comments: Public projects will involve demolition of existing buildings and will construct new facilities on expanded footprint at same site. Due to extended staff illness, County Watershed Program was not able to obtain all data for public projects before October 31 (self-imposed) deadline. Missing information will be sent to RB staff at earliest opportunity. Due to extended staff illness, County Watershed Program was not able to obtain all data for public project before October 31 (self-imposed) deadline. Missing information will be sent to RB staff at earliest opportunity.										

<sup>27</sup>For public projects, enter the plans and specifications approval date.

<sup>28</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>29</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>30</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>31</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>32</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>33</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>34</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>35</sup>Note whether a third party was used to certify the project design complies with Provision C.3.d.

<sup>36</sup>If HM control is not required, state why not.

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

C.3.h.v.(2). ►Table of Newly Installed<sup>38</sup> Stormwater Treatment Systems and Hydromodification Management (HM) Controls (Optional)

Fill in table below or attach your own table including the same information.			
Name of Facility	Address of Facility	Party Responsible <sup>39</sup> For Maintenance	Type of Treatment/HM Control(s)
SD 9376	TBD	TBD	TBD
SD 8634	TBD	TBD	TBD
SD 8769	TBD	TBD	TBD
MS 06-94	TBD	TBD	TBD
DP 07-3029	TBD	TBD	TBD
LP 09-2026	TBD	TBD	TBD
LP 09-2039	TBD	TBD	TBD
LP 12-2110		TBD	TBD
Comment: Due to extended staff illness, County Watershed Program was not able to obtain all data for public projects before October 31 (self-imposed) deadline. Missing information will be sent to RB staff at earliest opportunity.			

<sup>38</sup> "Newly Installed" includes those facilities for which the final installation inspection was performed during this reporting year.  
<sup>39</sup> State the responsible operator for installed stormwater treatment systems and HM controls.

Permittee Name: \_\_\_\_\_

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

Reporting Period – July 1, 2016 - June 30, 2017

Project Name & No.	Permittee	Address	Application Submittal Date <sup>40</sup>	Status <sup>41</sup>	Description <sup>42</sup>	Site Total Acreage	Gross Density DU/Acre	Density FAR	Special Project Category <sup>43</sup>	LID Treatment Reduction Credit Available <sup>44</sup>	List of LID Stormwater Treatment Systems <sup>45</sup>	List of Non-LID Stormwater Treatment Systems <sup>46</sup>
TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	Category A: Category B: Category C: Location: Density: Parking:  See footnote	Category A: Category B: Category C: Location: Density: Parking:  See footnote	Indicate each type of LID treatment system and % of total runoff treated.  See footnote	Indicate each type of non-LID treatment system and % of total runoff treated. Indicate whether minimum design criteria met or certification received  See footnote
Due to extended staff illness, County Watershed Program was not able to obtain all data for public projects before October 31 (self-imposed) deadline. Missing information will be sent to RB staff at earliest opportunity.												

<sup>40</sup> Date that a planning application for the Special Project was submitted.<sup>41</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>42</sup> Type of project (commercial, mixed-use, residential), number of floors, number of units, type of parking, and other relevant information.<sup>43</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>44</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>45</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>46</sup> List all non-LID stormwater treatment systems proposed. For each type of non-LID treatment system, indicate: (1) the percentage of the total amount of runoff identified in Provision C.3.d. for the Special Project's drainage area, and (2) whether the treatment system either meets minimum design criteria published by a government agency or received certification issued by a government agency, and reference the applicable criteria or certification.



Special Projects Narrative

TBD

<b>C.3.j.ii.(2) ► Table A - Public Projects Reviewed for Green Infrastructure</b>				
<b>Project Name and Location<sup>47</sup></b>	<b>Project Description</b>	<b>Status<sup>48</sup></b>	<b>GI Included?<sup>49</sup></b>	<b>Description of GI Measures Considered and/or Proposed or Why GI is Impracticable to Implement<sup>50</sup></b>
Rodeo Downtown Infrastructure Project	Not sure, but sounds promising	Active Project	TBD	TBD
Appian Way Complete Streets Project - Valley View Road to Pinole City Limits	Traffic calming, bike lanes, sidewalks, etc	Underfunded	TBD	Can complete streets become Sustainable Streets?
Brookside Drive Widening – Fred Jackson Way to Union Pacific Railroad	Road widening	Underfunded, but high pollutant load	TBD	Likely regulated C.3
El Portal Widening	Road widening	Underfunded	TBD	Likely regulated C.3
Fred Jackson Way/Goodrick Avenue Realignment	Road realignment	Underfunded, but high pollutant load	TBD	Likely regulated C.3
N Richmond Sidewalk Replacement	Sidewalk Replacement	Underfunded, but high pollutant load	TBD	TBD
N Richmond Truck Route – Parr Blvd to Market Ave	Truck Route	Underfunded, but high pollutant load	TBD	TBD
Pittsburg Ave Widening - Fred Jackson Way to Richmond Parkway	Road widening	Underfunded, but high pollutant load	TBD	Likely regulated C.3
7 <sup>th</sup> St Extension to Brookside Dr	Road Extension C.3	Underfunded, but high pollutant load	TBD	Likely regulated C.3

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

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

<sup>49</sup> Enter "Yes" if project will include GI measures, "No" if GI measures are impracticable to implement, or "TBD" if this has not yet been determined.

<sup>50</sup> Provide a summary of how each public infrastructure project with green infrastructure potential will include green infrastructure measures to the maximum extent practicable during the permit term. If review of the project indicates that implementation of green infrastructure measures is not practicable, provide the reasons why green infrastructure measures are impracticable to implement.

Valley View Road Widening - San Pablo Dam Road to Appian Way	Underfunded	TBD	TBD	Likely regulated C.3
Bixler Road Improvements - SR 4 to Byer Road	Underfunded	TBD	TBD	TBD
Byron Highway Widening - Camino Diablo to the Alameda County Line	Likely regulated C.3	TBD	TBD	Likely regulated C.3
Cummings Skyway Truck Lane Extension	Likely regulated C.3	TBD	TBD	Likely regulated C.3

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

Project Name and Location <sup>51</sup>	Project Description	Planning or Implementation Status	Green Infrastructure Measures Included
Like all municipalities in California, Contra Costa County has experienced a severe funding shortfall for transportation projects. With the passage of SB1, a new funding source has become available. But SB 1 requires municipalities to improve the road condition prior to building road improvements. Funds from SB 1 will not be available until the end of CY 2017. It is likely that most municipality were unable to build any GI projects in the lasy FY. CCC looks forward to planning transportation projects in the coming year, with construction likely to brgin in early FY 18-19. This includes green infrastructure.			

<sup>51</sup> List each planned (and expected to be funded) public and private green infrastructure project that is not also a Regulated Project as defined in Provision C.3.b.ii. Note that funding for green infrastructure components may be anticipated but is not guaranteed to be available or sufficient.

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

**Program Highlights and Evaluation**

Highlight/summarize activities for reporting year:

**Summary:**

Contra Costa County, representing the unincorporated county communities, is part of Contra Costa County's Clean Water Program. Contra Costa County Watershed Program and Public Works Department (PWD) Maintenance staff participate in Contra Costa Clean Water Program's Municipal Operations Committee as well as the Commercial/Industrial Inspection Workgroup.

Staff from the County Health Services Department Hazardous Material Division (Haz Mat) and Environmental Health Division (Env. Health) conduct industrial and commercial stormwater inspections on behalf of Contra Costa County. The County Watershed Program works with Haz Mat and Environmental Health to review/update the master facility list and the list of facilities scheduled to be inspected. Inspection frequencies and priorities are based on Contra Costa County's Industrial and Commercial Businesses Stormwater Inspection Plan. In FY 16-17, the County conducted 269 inspections of 242 facilities. More detailed information regarding the inspections is provided in the sections below.

The County works with businesses to attain compliance with stormwater regulations. For the businesses with recurring potential or actual storm water violations, Contra Costa County staff continues to work with facilities to attain compliance and to educate businesses and staff. Inspectors coordinate with the Watershed Program for guidance and suggestions where problems occur. County staff from different departments work together to communicate and to coordinate to find long term solutions when problems occur or do not appear to work over time. Staff have meetings and trainings together as appropriate.

Inspectors and County Watershed staff attended the Annual Commercial/Industrial Inspector Training on May 10, 2017. County Watershed staff conducted training for the Hazardous Materials and Environmental Health inspectors on the Municipal Stormwater Permit, inspections, and inspection documentation on September 28, 2016.

Refer to the C.4. Industrial and Commercial Site Controls section of the CCCWPs FY 16-7 Annual Report for a description of activities of the CCCWP's Municipal Operations Committee and/or the BASMAA Municipal Operations Committee.

**C.4.b.iii ► 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.

Please see Attachment C.4.b.iii Potential Facilities Contra Costa County

--

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

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

		Permittee reports multiple discrete potential and actual discharges as one enforcement action.
	<b>X</b>	Permittee reports the total number of discrete potential and actual discharges on each site.

	Number	Percent
Total number of inspections conducted (C.4.d.iii.(2)(a))	269	
Number of enforcement actions or discreet number of potential and actual discharges	52	
Violations Enforcement actions or discreet number of potential and actual discharges resolved within 10 working days or otherwise deemed resolved in a longer but still timely manner (C.4.d.iii.(2)(c))	35	67

Comments:

**Facilities with Actual Discharges that were not resolved within 10 days or an appropriate time are:**

1. Bay Alarm Corp: Soil erosion in storms. Facility is correcting.
2. Blackhawk Plaza: Garbage areas have food waste and garbage going to storm drain. Inspector is working with property management to regularly maintain and educate businesses on best management practices.
3. Field House Grill: Inspector observed waste and trash leaking to the storm drain. The inspector involved property management to perform training and implement a solution.
4. Flyers Fueling #447: Inspector observed some debris and an oil sheen on the pavement. Company staff implemented a plan to pick up debris daily.
5. Flyers Fueling #465: The inspector noticed trash and debris on the ground near the fuel dispensers. The lids had been removed from the receptacles. Facility staff instituted a daily inspection and pick up of trash and debris.

**Facilities with Potential Discharges that were not resolved within 10 days or an appropriate time are:**

1. AAAA RV & Boat Storage – Facility had materials stored outside with insufficient containment. The facility is disposing of materials.
2. Alliance Mini Mart- Facility had trash and debris that had collected along the fence. Facility was requested to remove trash.
3. Anchor Marina- Inspector observed trash and facility staff cleaned.
4. Flyer's Fuel #447: see description under Facilities with Actual Discharges above.
5. Henkel Corporation: Debris/Trash found on the pavement. Facility cleaning and documenting.
6. Highend Development, Inc.: Poor housekeeping and items stored outdoors that could leak. Facility staff corrected storage and housekeeping. Pavement is cleaned weekly and wash water disposed of properly.
7. Pep Boys #0768: Trash observed in several storm drains. Facility cleaned trash and debris from drains.

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

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

	Enforcement Action (as listed in ERP) <sup>52</sup>	Number of Enforcement Actions Taken
Level 1	Notice to Comply	40
Level 2	Notice of Violation	12
Level 3	Administrative Order/Cost Recovery	0
Level 4	Referral to State/Federal Agencies	0
Total		52

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

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

Business Category <sup>53</sup>	Number of Actual Discharges	Number of Potential Discharges
Business Category <sup>54</sup>	Number of Actual Discharges	Number of Potential Discharges
Adhesive Manufacturer		1
Auto Maintenance/Repair (Diesel Engines, Motors, Transmission) /Sales, Grounds Maintenance, Parts Dept, Tire Repair/Sales	1	9
Building services and supply	1	
Construction		3
Dry Cleaner		1
Gas Station/Vehicle Fueling Station	2	2
Gas Station & Mini Market		2
Manufactured Home Community	1	1

<sup>52</sup>Agencies to list specific enforcement actions as defined in their ERPs.

<sup>53</sup>List your Program's standard business categories.

<sup>54</sup>List your Program's standard business categories.

Marina		1
News Service	1	
Public Corp Yard	1	2
Public Swimming Pool		1
Resurfacing		1
RV & Boat Outdoor Storage		1
Tree Services		3
Vehicle Impound Yard	1	
Convenience Store		1
Fast Food Establishment		1
Grocery	1	
Restaurant	3	10

**C.4.d.iii.(2)(e) ► Non-Filers**

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

Some potential Non-Filers were identified during some joint agency inspections which included the San Francisco Regional Water Quality Control Board's enforcement team. The facilities are listed below:

1. 789 Market Ave, Richmond, CA
2. 541 Davilla Road, Richmond, CA
3. 560 W. Gertrude, Richmond, CA
4. 2703 Goodrick Ave, #B, Richmond CA
5. Eco Terra, 115 Brookside, Richmond, CA

C.4.e.iii ► Staff Training Summary						
Training Name	Training Dates	Topics Covered	No. of Industrial/ Commercial Site Inspectors in Attendance	Percent of Industrial/ Commercial Site Inspectors in Attendance	No. of IDDE Inspectors in Attendance	Percent of IDDE Inspectors in Attendance
Commercial/ Industrial Stormwater Inspection Training Workshop	May 10, 2017	The A to Z of Illicit Discharge Maintenance Crew Response to Illicit Discharges with Field Demonstrations Responding to Private Sewer Later Overflows: One City's Perspective Who Ya' Going to Call: Panel Session with Illicit Discharge Scenarios	20	95	20	90
Stormwater Inspector Training	September 28, 2016	Review of Stormwater Inspection requirements, results, and review of the Municipal Regional Permit	15	71	15	68
Comments: None						



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

**Program Highlights and Evaluation**

**Highlight/summarize activities for reporting year:**

Provide background information, highlights, trends, etc.

Summary:

Illicit discharges are identified by citizens, Public Works Maintenance staff, Environmental Health staff, or Hazardous Materials staff. When discharges are identified, staff makes the appropriate contacts for the situation. For example, if hazardous materials are identified or the substance is unknown, Hazardous Materials staff are contacted.

The County Hazardous Materials Program, Environmental Health Department, Public Works Maintenance Department, and County Watershed staff responded to, referred, documented and followed up on 78 illicit discharge complaints. Of these, 10 of the incidents reached the storm drains or waterways, and 68 of 78 incidents were resolved within 10 business days or less.

Contra Costa County participates in the Clean Water Program's Municipal Operations Committee. County staff work with Clean Water Program Staff to receive and refer information from the County's 1-800-No-Dumping line to the appropriate contact. Additionally, staff work with inspectors and code enforcement officers to investigate the responsible party of the illicit discharge, determine more information, educate the appropriate parties, and if appropriate, clean up the discharge, or impose fines, cost recovery, or other measures.

Refer to the C.5 Illicit Discharge Detection and Elimination section of the CCCWP's FY 16-17 Annual Report for a description of the current activities at the county and regional level.

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

Summary of any changes made during FY 16-17:

No changes have been made. The complaint and spill response phone number is the same as reported in FY 2015-16.

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

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

	Number	Percentage
Discharges reported (C.5.d.iii.(1))	78	

Discharges reaching storm drains and/or receiving waters (C.5.d.iii.(2))	10	13%
Discharges resolved in a timely manner (C.5.d.iii.(3))	68	87%
Comments: Inspectors respond to complaints, some of which appear to be unsubstantiated in the field but are accounted for here. Each situation is different but County staff do their best to respond to complaints and follow-up to resolve them within a timely manner.		

<b>C.5.e.iii.(1) ► Control of Mobile Sources</b>	
(a) Provide your agency's minimum standards and BMPs for various types of mobile businesses (C.5.e.iii.(1)(a))	
See the C.5 Illicit Discharge Detection and Elimination section of the Contra Costa Clean Water Program's (CCCWP) FY 16-17 Annual Report for a description of the activities implemented countywide.	
(b) Provide your agency's enforcement strategy for mobile businesses (C.5.e.iii.(1)(b))	
See the C.5 Illicit Discharge Detection and Elimination section of the Contra Costa Clean Water Program's (CCCWP) FY 16-17 Annual Report for a description of the activities implemented countywide.	
(c) Provide a list and summary of the specific outreach events and education conducted by your agency to the different types of mobile businesses operating within your jurisdiction (C.5.e.iii.(1)(c))	
See the C.5 Illicit Discharge Detection and Elimination section of the Contra Costa Clean Water Program's (CCCWP) FY 16-17 Annual Report for a description of the activities implemented countywide.	
(d) Provide number of inspections conducted at mobile businesses and/or job sites in 2016-2017 (C.5.e.iii.(1)(d)):	11
(e) Discuss enforcement actions taken against mobile businesses in 2016-2017 (C.5.e.iii.(1)(e)) <b>The inspections indicated that these mobile businesses operated appropriately and no enforcement actions needed to be taken.</b>	
(f) List below or attach the list of mobile businesses operating within your agency's jurisdiction (C.5.e.iii.(1)(f))  See the C.5 Illicit Discharge Detection and Elimination section of the Contra Costa Clean Water Program's (CCCWP) FY 16-17 Annual Report for a description of the activities implemented countywide.	
(g) Provide a list and summary of the county-wide or regional activities conducted, including sharing of mobile business	

inventories, BMP requirements, enforcement action information, and education (C.5.e.iii.(1)(g))

See the C.5 Illicit Discharge Detection and Elimination section of the Contra Costa Clean Water Program's (CCCWP) FY 16-17 Annual Report for a description of the activities implemented countywide.

Section 6 – Provision C.6 Construction Site Controls

C.6.e.iii.3.a, b, c, d ► Site/Inspection Totals			
Number of active Hillside Sites (sites disturbing < 1 acre of soil requiring storm water runoff quality inspection) (C.6.e.iii.3.a)	Number of High Priority Sites (sites disturbing < 1 acre of soil requiring storm water runoff quality inspection) (C.6.e.iii. 3.c)	Number of sites disturbing ≥ 1 acre of soil (C.6.e.iii.3.b)	Total number of storm water runoff quality inspections conducted (include only Hillside Sites, High Priority Sites, and sites disturbing 1 acre or more) (C.6.e.iii. 3.d)
0	0	21	103
Comments: None			

Permittee Name: \_\_\_\_\_

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

	Enforcement Action (as listed in ERP) <sup>55</sup>	Number Enforcement Actions Issued
Level 1 <sup>56</sup>	Verbal warnings (5), notice to comply (1)	6
Level 2	Notice of violation	1
Level 3	Stop work order	0
Level 4	Enforcement / Notify & collaborate with CDFW & Water Board	0
<b>Total</b>		

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

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

**C.6.e.iii.3.g ► Corrective Actions**

Indicate your reporting methodology below.	
<input checked="checked" type="checkbox"/>	Permittee reports multiple discrete potential and actual discharges as one enforcement action.
<input type="checkbox"/>	Permittee reports the total number of discrete potential and actual discharges on each site.
	<b>Number</b>
<b>Enforcement actions or discrete potential and actual discharges fully corrected within 10 business days after violations are discovered</b> or otherwise considered corrected in a timely period (C.6.e.iii. .3.g)	<b>1</b>
<b>Total number of enforcement actions or discrete potential and actual discharges for the reporting year</b>	<b>1</b>
<b>Comments:</b> None	

<sup>55</sup>Agencies should list the specific enforcement actions as defined in their ERPs.<sup>56</sup>For example, Enforcement Level 1 may be Verbal Warning.

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

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

Description: Given the extraordinary rain year that occurred, it was difficult to compare this past winter to any recent year.

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

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

Description: The strength of our construction site control inspection program lies in the years of experience of key senior staff. One of those retired at the end of the year. Our challenge is to train new personnel.

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

Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance
None			

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

**C.7.b.i.1 ► Outreach Campaign**

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

**Refer to Section 7 in the CCCWP's FY 16/17 Annual Report for a summary of activities related to the planning and development of an Outreach Campaign.**

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

Summary: Contra Costa County continued to be a leader in outreach/education and community engagement. We distributed \$50,000 of grants to local non-profit partners to engage their community to become better stewards of creeks. CCC is one of the primary administrators of the Contra Costa Watershed Forum. CCC contracts with the Contra Costa Resource Conservation District and the Watershed Project to provide staff for almost all of the watershed groups in CCC. (The CCC Flood Control District also staffs a number of creek stewardship groups (see FCD NPDES report for details) reach out to our diverse communities, educate them about our interconnections with the Delta, local creeks, and the Bay.

Contra Costa County Watershed Program produces an annual Watershed Calendar. This is our primary method for broad and general stormwater education. Approximately **67,000 calendars** are sent to every resident in unincorporated CCC, every school that serves unincorporated students (almost all schools have some unincorporated students), every business in unincorporated County, to many of the County departments, including Libraries, the County Hospital and health clinics, and other programs with significant community interactions. This year's calendar focused on preventing runoff, purchasing less toxic items, Getting involved with the environment, grow organic gardens, reducing water use (it was the last year of the drought), tackle trash, car care, catching dirty water, Using IPM to address pest problems, preventing erosion, using HHW sites, the effects of copper, Mercury, and PCBs on human and wildlife health, and using the 4 Rs (reduce, reuse, recycle, and rot).

**CCC awarded several grants to local nonprofit organizations to help educate our diverse communities. In addition County staff and our non-profit contractors conducted several outreach events, including:**

1. 10/2/16 – North Richmond Shoreline Festival – Staff from County Watershed Program established a booth and engaged community members
2. Save Mount Diablo, a Watershed Grant recipient, held over a dozen work days on their property on Mount Diablo (unincorporated CCC) to conduct invasive weed removal, trash clean-up, and erosion repair
3. The Watershed Project held three community meetings along San Pablo Creek about San Pablo Creek, focusing on mushrooms, East Bay wildlife, and black walnut trees
4. Partners for Rodeo Creek (staffed by the RCD under contract with the CCC) conducted a creek clean-up on Rodeo Creek near the Safeway shopping center.

5. Partners for Rodeo Creek Watershed established a booth at a community food truck event to conduct outreach and educate the public. Approximately 50 visitors to their booth. First outreach event for new watershed coordinator.

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

In addition to attending (and occasionally organizing) community events, CCC WSP

Event Details	Description (messages, audience)	Evaluation of Effectiveness
El Sobrante Library at Creekside Park clean up	Working with the Watershed Project, the County held a creek clean-up and invasive ivy weed abatement along San Pablo Creek and Appian Creek at/near the El Sobrante Library.	Removed 67 gallons of trash; 4 cy of weeds
San Pablo Creek Water Quality Monitoring	The Watershed Project trained interns to conduct monthly water quality monitoring in unincorporated portions of the San Pablo Creek. This exposed interns in monitoring and taught them about water quality characteristics the fundamentals of	Continuation of long term water quality monitoring program.
9/18/16 El Sobrante Stroll - Watershed Project staff established a booth at the parade and street fair on behalf of the County Watershed Program.	TWP led a "green walk" through the community to educate residents about green infrastructure and opportunities to build GI projects in their community	Attended by over 20 citizens, most of whom were not familiar with concepts of green infrastructure
Partners for Rodeo Outreach event @ community food truck night	Reached out to 50 of attendees. Introduced new watershed coordinator to community	The watershed model is always a hit. And the community gave the new WS coordinator a warm welcome
Three watershed/environmental groups combined meeting	Payton Slough Advisory Committee, Friends of Alhambra Creek, and Friends of Alhambra Creek joint meeting	Approximately 45 attendees. Focus on development of joint project lists, goal statements, event coordination
North Richmond Shoreline Festival (10/2/16)	Celebration and educational event for local Richmond (city and County) residents	Highlighted connection of community to local streams (Wildcat and San Pablo Cr) and wildcat marsh. Approximately 50 residents in attendance
Pavon Creek Tour (4/29/17)	Friends of Pinole Creek sponsored event to tour ecologically rich Pavon Creek watershed, largely managed by East Bay Municipal Utility Group	Area is rich with fluvial wetlands, intact riparian areas, vernal pools and abundant listed plants and animals.



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

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

Evaluate effectiveness by describing the following:

- Efforts undertaken
- Major accomplishments

Summary: CCWS staff are members of the Contra Costa County Watershed Forum Executive Committee that determines the theme, speaker, and venue for each Contra Costa County Watershed Forum meeting. Each Contra Costa Watershed Forum has a timely and informative presentation. In addition, the opportunity is provided for each environmental group in attendance to share their upcoming events, accomplishments, and brainstorm solutions to common problems.

**C.7.f. ► School-Age Children Outreach**

Summarize school-age children outreach programs implemented. A detailed report may be included as an attachment.

Use the following table for reporting school-age children outreach efforts.

Program Details	Focus & Short Description	Number of Students/Teachers reached	Evaluation of Effectiveness
<b>Career Day Riverview Middle School, Bay Point, CA</b>	Focus on what is a watershed, difference between storm drains and sanitary sewer. Used dynamic watershed model to teach basics of watershed dynamics and the many jobs within a watershed. Show how pollution spreads throughout watershed. Engaged students to think about careers in environmental management.	Three classes, approximately with 30 students each, plus one developmentally disabled class	None of the kids knew difference between storm drains and sewers at beginning. Give-a-ways radically increase participation!
<b>Bye Bye Basura – Verde Elementary 3<sup>rd</sup> grade</b>	Focuses on watersheds, trash's effects on the Bay, Uses watershed model to explain concepts, Students use "evidence cards" to create stories about effects of trash on marine wildlife. Student go on a field trip to	75 students, three teachers	Many students could explain what a watershed is and how it is connected to the Bay. Students offered suggestions on how to protect watersheds, such as picking up trash and visiting parks

	local natural parks. Afterwards students reflect on they learned.		
<b>Kids in Marshes – Kensington Elementary 2<sup>nd</sup> Grade</b>	Kids learn about plants and animals that live in different zones of the salt marsh through interactive games and building a model of a salt marsh	26 students, 1 teacher	These students already knew a lot about birds and were able to connect different bird species to different habitats of the salt marsh. Students creates signs and posters prior to field trip at Stege Marsh or Meeker Slough
<b>Rains to Roots – Richmond HS , Juniors and Seniors</b>	Students explored how to restore natural function to urban watersheds. And gained an understanding of of the wide effects of channelization and pollution on their community	52 Students, 1 teacher	Through the program students learns about the complicated that affect their communities from urban runoff. And gained a practical understanding of how these issues can be addressed by low impact development.
<b>Wild Oysters, Richmond High School</b>	Four classroom visits and two filed trips to collect data in the field and participate in long term monitoring program on efforts to restore the native Olympia Oysters in San Francisco Bay	215 students, 1 teacher, many sessions	Three classroom sessions and a filed trip, which included tasting oysters from Tomales Bay

Section 9 – Provision C.9 Pesticides Toxicity Controls

<b>C.9.a. ► Implement IPM Policy or Ordinance</b>						
Is your municipality implementing its IPM Policy/Ordinance and Standard Operating Procedures?				<input checked="checked" type="checkbox"/> X	Yes	<input type="checkbox"/> No
If no, explain:						
Report implementation of IPM BMPs by showing trends in quantities and types of pesticides used, and suggest reasons for increases in use of pesticides that threaten water quality, specifically organophosphates, pyrethroids, carbamates fipronil, indoxacarb, diuron, and diamides. A separate report can be attached as evidence of your implementation. <b>Starting FY 16-17, Permittees are required to report the total quantity of the active ingredient used, not the total quantity of product used. Footnote 57 provides the list of active ingredients that need to be reported under the pyrethroids class of pesticides.</b>						
Trends in Quantities and Types of Pesticide Active Ingredients Used <sup>57</sup>						
Pesticide Category and Specific Pesticide Active Ingredient Used	Amount <sup>58</sup>					
	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21
Organophosphates		None				
Active Ingredient Chlorpyrifos		None				
Active Ingredient Diazinon		None				
Active Ingredient Malathion		None				
Pyrethroids (see footnote #57 for list of active ingredients)		None				
Active Ingredient Type X		None				
Active Ingredient Type Y		None				
Carbamates		None				
Active Ingredient Carbaryl		None				
Active Ingredient Aldicarb		None				
Fipronil		None				

<sup>57</sup>Includes all municipal structural and landscape pesticide usage by employees and contractors.

<sup>58</sup>Weight or volume of the active ingredient, using same units for the product each year. Please specify units used. The active ingredients in any pesticide are listed on the label. The list of active ingredients that need to be reported in the pyrethroids class includes: metofluthrin, bifenthrin, cyfluthrin, beta-cyfluthrin, cypermethrin, deltamethrin, esfenvalerate, lambdacyhalothrin, and permethrin.

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Indoxacarb	Reporting not required in FY 15-16	None				
Diuron	Reporting not required in FY 15-16	None				
Diamides	Reporting not required in FY 15-16	None				
Active Ingredient Chlorantraniliprole		None				
Active Ingredient Cyantraniliprole		None				
<p><b>IPM Tactics and Strategies Used:</b></p> <p>Contra Costa County has a Integrated Pest Management Advisory Committee to the Board of Supervisors. This committee helps guide County (Dept of Agriculture and Public Works Department) staff on ways to improve the County's integrated pest management practices.</p>						

<b>C.9.b ► Train Municipal Employees</b>	
Enter the number of employees that applied or used pesticides (including herbicides) within the scope of their duties this reporting year.	30
Enter the number of these employees who received training on your IPM policy and IPM standard operating procedures within this reporting year.	30
Enter the percentage of municipal employees who apply pesticides who have received training in the IPM policy and IPM standard operating procedures within this reporting year.	100%
<p>Type of Training:</p> <p><b>In house training with the IPM Coordinator with County IPM Coordinator</b></p>	

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**C.9.c ► Require Contractors to Implement IPM**

Did your municipality contract with any pesticide service provider in the reporting year, for either landscaping or structural pest control?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
If yes, did your municipality evaluate the contractor's list of pesticides and amounts of active ingredients used?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No,
<b>CCC contracts with Pest Tech, who has an open channel of communication with the IPM Coordinator. All pesticide applications by Pest Tech are discussed prior to implementation.</b>				

**C.9.d ► Interface with County Agricultural Commissioners**

Did your municipality communicate with the County Agricultural Commissioner to: (a) get input and assistance on urban pest management practices and use of pesticides or (b) inform them of water quality issues related to pesticides,	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
If yes, summarize the communication. If no, explain. <b>Refer to the CCCWP's FY 16-17 Annual Report, Section C.9 Pesticide Toxicity Controls for a summary of the CCCWP's communication with Contra Costa County Agricultural Commissioner. Summarize any local communication with the County Agricultural Commissioner here.</b>				
Did your municipality report any observed or citizen-reported violations of pesticide regulations (e.g., illegal handling and applications of pesticides) associated with stormwater management, particularly the California Department of Pesticide Regulation (DPR) surface water protection regulations for outdoor, nonagricultural use of pyrethroid pesticides by any person performing pest control for hire.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
If yes, provide a summary of improper pesticide usage reported to the County Agricultural Commissioner and follow-up actions taken to correct any violations. A separate report can be attached as your summary.				

**C.9.e.ii (1) ► Public Outreach: Point of Purchase**

Provide a summary of public outreach at point of purchase, and any measurable awareness and behavior changes resulting from outreach (here or in a separate report); <b>OR</b> reference a report of a regional effort for public outreach in which your agency participates.
Summary: <b>See the C.9 Pesticides Toxicity Control section of CCCWP's FY 16-17 Annual Report for information on point of purchase public outreach conducted countywide and regionally. In addition County staff meet regularly with the acting County Agricultural Commissioner at the semi monthly IPM Committee Meetings</b>

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

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

Summary:

See the C.9 Pesticides Toxicity Control section of CCCWP's FY 16-17 Annual Report for information on point of purchase public outreach conducted countywide and regionally.

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

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

Summary:

See the C.9 Pesticides Toxicity Control section of CCCWP's FY 16-17 Annual Report for a summary of our participation in and contributions towards countywide and regional public outreach to pest control operators and landscapers to reduce pesticide use."

**C.9.f ► Track and Participate in Relevant Regulatory Processes**

Summarize participation efforts, information submitted, and how regulatory actions were affected; **AND/OR** reference a regional report that summarizes regional participation efforts, information submitted, and how regulatory actions were affected.

Summary:

During FY 16-17, we participated in regulatory processes related to pesticides through contributions to the CCCWP, BASMAA and CASQA. For additional information, see the Regional Report submitted by BASMAA on behalf of all MRP Permittees.

## Section 10 - Provision C.10 Trash Load Reduction

### C.10.a.i ► Trash Load Reduction Summary

For population-based Permittees, provide the overall trash reduction percentage achieved to-date within the jurisdictional area of your municipality that generates problematic trash levels (i.e., Very High, High or Moderate trash generation). Base the reduction percentage on the information presented in C.10.b i-iv and C.10.e.i-ii. Provide a discussion of the calculation used to produce the reduction percentage, including whether the 70% mandatory trash load reduction deadline was attained. If not attained, attach and include reference to a Plan to comply with the deadline in a timely manner, which should include the Permittee's plan and schedule to install full capture systems/devices.

#### Trash Load Reductions

Percent Trash Reduction in All Trash Management Areas (TMAs) due to <b>Trash Full Capture Systems</b> (as reported C.10.b.i)	<b>20.5%</b>
Percent Trash Reduction in all TMAs due to <b>Control Measures Other than Trash Full Capture Systems</b> (as reported in C.10.b.ii) <sup>59</sup>	<b>34.5%</b>
Percent Trash Reduction due to <b>Jurisdictional-wide Source Control Actions</b> (as reported in C.10.b.iv) <sup>1</sup>	<b>0%</b>
<b>Subtotal for Above Actions</b>	<b>55%</b>

#### Trash Offsets (Optional)

Offset Associated with Additional Creek and Shoreline Cleanups (as reported in C.10.e.i)	
Offset Associated with Direct Trash Discharges (as reported in C.10.e.ii)	<b>15%</b>
<b>Total (Jurisdictional-wide) % Trash Load Reduction in FY 16-17</b>	<b>70%</b>

**Discussion of Trash Load Reduction Calculation and Attainment of the 70% Mandatory Deadline:** CCC attained the 70% trash reduction requirement through more frequent on land clean ups, installation of 147 additional inlet trash capture devices. And implementation of the Direct Discharge Plan .

<sup>59</sup> See Appendix 10-1 for changes between 2009 and FY 16-17 in trash generation by TMA as a result of Full Capture Systems and Other Measures.

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

Provide the following:

- 1) Total number and types of full capture systems (publicly and privately-owned) installed prior to FY 16-17, during FY 16-17, and to-date, including inlet-based and large flow-through or end-of-pipe systems, and qualifying low impact development (LID) required by permit provision C.3.
- 2) Total land area (acres) treated by full capture systems for population-based Permittees and total number of systems for non-population based Permittees compared to the total required by the permit.

Type of System	# of Systems	Areas Treated (Acres)
<b>Installed Prior to FY 16-17</b>		
Connector Pipe Screen	50	104.31
Bioflex Trash Guard – Top Hat	79	19.33
Bioflex Trash Guard – Crescent	10	147.17
<b>Installed in FY 16-17</b>		
ADS –Flexstorm Connector Pipe Screen	145 + 2 (slightly modified)	365
<b>Total for all Systems Installed To-date</b>	<b>286</b>	<b>635.81</b>
<b>Treatment Acreage Required by Permit (Population-based Permittees)</b>		<b>140</b>
<b>Total # of Systems Required by Permit (Non-population-based Permittees)</b>		<b>N/A</b>



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

Provide the following:

- 1) Jurisdictional-wide trash reduction in FY 16-17 attributable to trash full capture systems implemented in each TMA;
- 2) The total number of full capture systems installed to-date in your jurisdiction;
- 3) The percentage of systems in FY 16-17 that exhibited significant plugged/blinded screens or were >50% full when inspected or maintained;
- 4) A narrative summary of any maintenance issues and the corrective actions taken to avoid future full capture system performance issues; and
- 5) A certification that each full capture system is operated and maintained to meet the full capture system requirements in the permit.

TMA	Jurisdiction-wide Reduction (%)	Total # of Full Capture Systems	% of Systems Exhibiting Plugged/Blinded Screens or >50% full in FY 16-17	Summary of Maintenance Issues and Corrective Actions
Alamo/Diablo/Black	0.0	286	Insufficient Information	The full trash capture devices were inspected and cleaned approximately 3 times per device. The data collected is insufficient to determine the percent exhibiting plugged or blinded screens. Data will be collected differently during FY 17-18. Training is being provided for staff who will be completing the inspections.
Alham Valley Road	0.0			
Alham&Reliez Valley	0.0			
Bailey Road	0.0			
Bay Point	7.6			
Bethel Island	0.0			
Byron	0.0			
Byron Airport Zone	0.0			
Castro Ranch Road	0.0			
Clyde	0.0			
Crockett/Port Costa	0.0			
Cummings Skyway	0.0			
Discovery Bay	0.0			
El Sobrante	0.9			
Franklin Canyon Rd	0.0			
Kensington	0.0			

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Kirker Pass Rd	0.0			
Knightsen	0.0			
North Richmond	0.0			
Pacheco	0.3			
Pinole Valley Rd	0.0			
Rodeo	5.9			
San Pablo Dam Rd	0.0			
Uninc Antioch	0.0			
Uninc Brentwood	0.0			
Uninc Clayton	0.0			
Uninc Concord	0.0			
Uninc Martinez	0.0			
Uninc Moraga	0.0			
Uninc Oakley	0.0			
Uninc Pittsburg	0.0			
Uninc Pleasant Hill	0.0			
Uninc Richmond	5.7			
Uninc San Ramon	0.0			
Uninc Walnut Creek	0.0			
<b>Total</b>	<b>20.5</b>			

**Certification Statement:**

*Contra Costa County certifies that a full capture system maintenance and operation program is currently being implemented to maintain all applicable systems in manner that meets the full capture system requirements included in the Permit.*

C.10.b.ii ► Trash Reduction – Other Trash Management Actions (PART A)	
Provide a summary of trash control actions other than full capture systems or jurisdictional source controls that were implemented within each TMA, including the types of actions, levels and areal extent of implementation, and whether actions are new, including initiation date.	
TMA	Summary of Trash Control Actions Other than Full Capture Systems
Alamo/Diablo/Black	None
Alham Valley Road	The trash control action implemented includes: on-land cleanups by a County contractor since 2012.
Alham&Reliez Valley	None
Bailey Road	The trash control action implemented includes: on-land cleanups by a County contractor since 2012.
Bay Point	The trash control actions implemented include: on-land cleanups conducted by both a County contractor (2012) and through the County's Adopt-a-Road volunteer program implemented in 2010; enhanced street cleaning, increased frequency on the main commercial streets since 2009; and partial trash capture devices, automatic retractable screens (ARS) screens. The ARS screens are installed in the curb inlets of catch basins with full trash capture (FTC) systems and maintained at the same time as the FTC systems, about 3 times per year.
Bethel Island	None
Byron	None
Byron Airport Zone	None
Castro Ranch Road	The trash control action implemented includes: on-land cleanups by a County contractor since 2012.
Clyde	None
Crockett/Port Costa	The trash control actions implemented include: enhanced street sweeping, increased frequency in the commercial and high trash areas, has been performed since early 2015; and on-land cleanups have been conducted by a County contractor since 2014.
Cummings Skyway	None
Discovery Bay	None
El Sobrante	The following trash control actions have been implemented in El Sobrante: enhanced street sweeping, increased frequency in the commercial and high trash areas, since early 2015; on-land cleanups by a County contractor since 2012; and partial full trash capture devices, ARS screens, since 2013. The ARS screens are installed at the curb inlets of catch basins with FTC systems and maintained at the same time as the FTC systems, about 3 times per year.

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Franklin Canyon Rd	The trash control action implemented includes: on-land cleanups by a County contractor since 2012.
Kensington	None
Kirker Pass Rd	The trash control action implemented includes: on-land cleanups by a County contractor since 2012.
Knightsen	None
North Richmond	The trash control actions implanted include: enhanced street sweeping, increased frequency in high trash areas, since 2012; on-land cleanups conducted by a County contractor since 2012.
Pacheco	The trash control actions implemented include: enhanced street sweeping, increased frequency in the commercial and high trash areas, since early 2015; and partial trash capture devices, ARS screens, since 2013. The ARS screens are installed in curb inlets at catch basins with FTC systems and maintained at the same time as the FTC systems, about 3 times per year.
Pinole Valley Rd	None
Rodeo	The trash control actions implemented include: enhanced street sweeping, increased frequency in residential areas generating high levels of trash, since 2012; enhanced street sweeping, increased frequency in the commercial area and high trash areas, since early 2015; and on-land cleanup of residential and commercial areas by a County contractor since 2012.
San Pablo Dam Rd	Trash control actions include: on-land cleanups by a County contractor since 2012.
Uninc Antioch	None
Uninc Brentwood	None
Uninc Clayton	None
Uninc Concord	Trash control actions include: on-land cleanups of residential and commercial areas by a County contractor since 2012.
Uninc Martinez	Trash control actions implemented include: enhanced street sweeping, increased frequency in the commercial and high trash areas, since early 2015; and on-land cleanup of residential and commercial areas by a County contractor since 2012.
Uninc Moraga	None
Uninc Oakley	None
Uninc Pittsburg	None
Uninc Pleasant Hill	None
Uninc Richmond	The trash control actions implemented include: enhanced street sweeping, increased frequency in the commercial and high trash areas, since early 2015; and on-land cleanups of the high trash areas by a County contractor since 2012.
Uninc San Ramon	In unincorporated San Ramon, the trash control action implemented has been regular on-land cleanups through the County's volunteer Adopt-a-Road program, since 2010. Visual assessments will be incorporated in the coming year to assess

	this area.
Uninc Walnut Creek	None

•

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

Provide the following:

- 1) A summary of the on-land visual assessments in each TMA (or control measure area), including the street miles or acres available for assessment (i.e., those associated with VH, H, or M trash generation areas not treated by full capture systems), the street miles or acres assessed, the % of available street miles or acres assessed, and the average number of assessments conducted per site within the TMA; and
- 2) Percent jurisdictional-wide trash reduction in FY 16-17 attributable to trash management actions other than full capture systems implemented in each TMA.

TMA ID or (as applicable) Control Measure Area	Total Street Miles <sup>60</sup> or Acres Available for Assessment	Summary of On-land Visual Assessments			Jurisdictional-wide Reduction (%)
		Street Miles or Acres Assessed	% of Applicable Street Miles or Acres Assessed	Ave. # of Assessments Conducted at Each Site	
Alamo/Diablo/Black	0.0	0.0	0.0	0	0.0
Alham Valley Road	3.3	0.9	25.9	3	0.8
Alham&Reliez Valley	0.0	0.0	0.0	0	0.0
Bailey Road	0.9	0.4	40.0	4	0.8
Bay Point	8.3	1.8	21.2	4	3.7
Bethel Island	0.0	0.0	0.0	0	0.0
Byron	0.0	0.0	0.0	0	0.0
Byron Airport Zone	0.0	0.0	0.0	0	0.0
Castro Ranch Road	0.4	0.2	50.4	4	0.1
Clyde	0.0	0.0	0.0	0	0.0
Crockett/Port Costa	1.6	0.6	38.5	5	0.6
Cummings Skyway	3.5	0.8	21.9	4	3.6
Discovery Bay	0.0	0.0	0.0	0	0.0

<sup>60</sup> Linear feet are defined as the street length and do not include street median curbs.

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El Sobrante	2.1	0.5	24.6	5	1.4
Franklin Canyon Rd	2.3	0.6	25.1	4	1.3
Kensington	0.0	0.0	0.0	0	0.0
Kirker Pass Rd	3.1	0.7	21.1	4	6.5
Knightesen	0.0	0.0	0.0	0	0.0
North Richmond	11.2	1.7	15.3	4	4.8
Pacheco	1.2	0.5	40.7	5	0.2
Pinole Valley Rd	0.0	0.0	0.0	0	0.0
Rodeo	3.7	0.1	3.9	4	0.1
San Pablo Dam Rd	4.6	1.1	24.9	2	5.4
Uninc Antioch	0.0	0.0	0.0	0	0.0
Uninc Brentwood	0.0	0.0	0.0	0	0.0
Uninc Clayton	0.0	0.0	0.0	0	0.0
Uninc Concord	0.2	0.0	24.3	6	0.1
Uninc Martinez	1.3	0.5	41.2	5	0.3
Uninc Moraga	0.0	0.0	0.0	0	0.0
Uninc Oakley	0.0	0.0	0.0	0	0.0
Uninc Pittsburg	0.0	0.0	0.0	0	0.0
Uninc Pleasant Hill	0.0	0.0	0.0	0	0.0
Uninc Richmond	9.6	1.1	11.4	3	4.4
Uninc San Ramon	0.8	0.1	12.1	1	0.3
Uninc Walnut Creek	0.0	0.0	0.0	0	0.0
<b>Total</b>	<b>11.5</b>	<b>19.9</b>	<b>66</b>	<b>34.5</b>	

**C.10.b.iv ► Trash Reduction – Source Controls**

Provide a description of each jurisdictional-wide trash source control action implemented to-date. For each control action, identify the trash reduction evaluation method(s) used to demonstrate on-going reductions, summarize the results of the evaluation(s), and estimate the associated reduction of trash within your jurisdictional area. Note: There is a maximum of 10% total credit for source controls.

Source Control Action	Summary Description & Dominant Trash Sources and Types Targeted	Evaluation/Enforcement Method(s)	Summary of Evaluation/Enforcement Results To-date	% Reduction
NA	NA	NA	NA	NA
NA	NA	NA	NA	NA

**C.10.c ► Trash Hot Spot Cleanups**

Provide the FY 16-17 cleanup date and volume of trash removed during each MRP-required Trash Hot Spot cleanup during each fiscal year listed. Indicate whether the site was a new site in FY 16-17.

Trash Hot Spot	New Site in FY 16-17 (Y/N)	FY 16-17 Cleanup Date(s)	Volume of Trash Removed (cubic yards)				
			FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17
CCC-SF01 Grayson Creek @ Center Ave	N	5/3/2017	340 lbs.	74 lbs.	65 lbs.	35 lbs.	74 lbs.
CCC-SF02 Rodeo Creek @ 7 <sup>th</sup> Street	N	6/10/2017	257 lbs.	118 lbs.	120 lbs.	306 lbs.	83 lbs.
CCC-SF03 Wildcat Creek @ Verde	N	5/13/2016	1145 lbs. (includes Earth Day activities at additional sites)	55 lbs.	87 lbs.	240 lbs.	172 lbs.
CCC-SF04 San Pablo Creek @ El Sobrante	N	4/22/2017	360 lbs.	85 lbs.	92 lbs.	16 lbs.	152 lbs.



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CCC-CV01 Marsh Creek @ Delta Rd.	N	6/29/2017	360 lbs.	12 lbs.	15 lbs.	8 lbs.	13 lbs.
CCC-06 Grayson Creek @ Highway 4	Y	6/27/2017	TBD	TBD	TBD	TBD	114 lbs.

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

Provide descriptions of significant revisions made to your Long-term Trash Load Reduction Plan submitted to the Water Board in February 2014. Describe significant changes made to primary or secondary trash management areas (TMA), baseline trash generation maps, control measures, or time schedules identified in your plan. Indicate whether your baseline trash generation map was revised and if so what information was collected to support the revision. If your baseline trash generation map was revised, attach it to your Annual Report.

Description of Significant Revision	Associated TMA
CCC is moving towards trash capture in all very high and high areas, where feasible. The County is currently planning to install a large trash capture device in North Richmond that will treat all of residential North Richmond, as well as portions of the city of Richmond. It is exploring other areas as well. County will require all commercial properties with $\geq 10,000$ sf of impervious surfaces to install Full Trash Capture	General Strategy
Commercial properties w $\geq 10,000$ sf County will require Full Trash Capture	Alamo, Diablo Blackhawk:
Address trash on Taylor Blvd and Relize Valley Rd with trash capture, street sweeping, and on land trash clean-up	Alhambra and Relize Valleys
Direct Discharge fencing along Alhambra Creek & Flash cameras with enforcement in environmentally sensitive areas, where fencing is excluded	Alhambra Valley Rd (in Pinole Cr watershed
Continued on land clean up & wait for more annexations into Pittsburg & Concord	Bailey Rd
More trash capture	Bay Point
Mandatory trash service and bioswales	Bethel Island
Already Green	Byron Airport Zone

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Continued on land trash clean up, Adopt a Road	<b>Byron</b>
Flash cameras with enforcement	<b>Castro Ranch Rd</b>
Green infrastructure in industrial area	<b>Clyde</b>
Trash Capture net in downtown near school Trash Capture inlets in downtown Green Infrastructure along San Pablo Ave near refinery	<b>Crocket</b>
HDS Trash capture at SR 4 & I-80	<b>Cummings Skyway</b>
FTC at commercial parcels w/ 10,000 sf of parking lots	<b>Discovery Bay</b>
What a complicated community! TBD – it needs a separate plan	<b>Elsobranite</b>
Trash Capture where there are DI; Adopt a Road where there is not	<b>Franklin Canyon Rd</b>
Not sure yet	<b>Kensington</b>
On land clean-ups until road is widened & has stormdrains installed	<b>Kirker Pass Rd</b>
1 FTC in Downtown district	<b>Knightsen</b>
Wait for City of Richmond annexes community. In the meantime install HDS unit just u/s of the NRPS to treat entire residential neighborhoods. Continue/increase on land trash clean-ups in industrial areas, until can install green infrastructure.	<b>North Richmond</b>
Get Caltrans to clean-up trash from I-680 floating into community; continued/increased on land trash clean ups on Marsh Dr; continue Direct Discharge outreach teams engagement with homeless under SR 4 bridge	<b>Pacheco</b>
Direct Discharge flash cameras and fencing (where feasible)	<b>Pinole Valley Rd</b>
More Trash Capture (outfall net?), Adopt Lefty Gomez Park, something creative for increasing homeless population	<b>Rodeo</b>
Adopt A Road and increased on-land clean-ups	<b>San Pablo Dam Rd</b>

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Convince Antioch to annex the marinas	Unincorp Antioch
Wait for Oakley or Brentwood to annex	Unincorp Brentwood
Enforce Street sweeping requirement	Unincorp Clayton
Green infrastructure in industrial area; address problem at 1 "high " trash property	Unincorp Concord
Trash Capture or GI along Pacheco Blvd; enforce conditions of approval on land use permit for County dump, Adopt a Road	Unincorp Martinez
It's Green!	Unincorp Moraga
It's Green!	Unincorp Pleasant Hill
Spot Trash Capture in Tara Hills and Bay view; HDS with Caltrans at Richmond Parkway & I 80	Unincorp Richmond
It's green!	Unincorp San Ramon
FTC at commercial parcels w/ 10,000 sf of parking lots	Unincorporated Walnut Creek

**C.10.e. ► Trash Reduction Offsets (Optional)**

Provide a summary description of each offset program implemented, the volume of trash removed, and the offset claimed in FY 16-17. Also, for additional creek and shoreline cleanups, describe the number and frequency of cleanups conducted, and the locations and cleanup dates. For direct discharge control programs approved by the Water Board Executive Officer, also describe the results of the assessments conducted in receiving waters to demonstrate the effectiveness of the control program. Include an Appendix that provides the calculations and data used to determine the trash reduction offset.

Offset Program	Summary Description of Actions and Assessment Results	Volume of Trash (CY) Removed/Controlled in FY 16-17	Offset (% Jurisdiction-wide Reduction)
Additional Creek and Shoreline Cleanups (Max 10% Offset)			

C.10.e. ► Trash Reduction Offsets (Optional)			
Provide a summary description of each offset program implemented, the volume of trash removed, and the offset claimed in FY 16-17. Also, for additional creek and shoreline cleanups, describe the number and frequency of cleanups conducted, and the locations and cleanup dates. For direct discharge control programs approved <u>by the Water Board Executive Officer</u> , also describe the results of the assessments conducted in receiving waters to demonstrate the effectiveness of the control program. Include an Appendix that provides the calculations and data used to determine the trash reduction offset.			
Direct Trash Discharge Controls (Max 15% Offset)	<p>Contra Costa County is implementing a bold plan to address direct discharges of trash and large objects into streams through a two pronged approach. The first approach is to use non-profit social workers to engage homeless people camping within the stream zone (top of bank to top of bank in County or Flood Control District rights of ways or properties. This includes underneath bridges spanning County or Flood Control owned creeks. Historically the County has waited until third parties have complained about homeless people living in streams near their properties. The County would respond to these complaints. Now the County is actively seeking out homeless campers along creeks, providing large trash bags to put their garbage and offering a variety of services through the County's Homeless services programs. Space at the County homeless shelters are prioritized for these individuals. If homeless campers refuse services or refuse to leave, then County PWD Maintenance workers post the site. The homeless campers have 72 hours before the Maintenance crews begin cleanup of the camp site. This program is radically reducing the amount of time an individual camps next to streams owned by the County or Flood Control District in unincorporated County.</p> <p>The second component has also initiated. This program identifies areas of County road rights of way that are adjacent to streams. This program will install additional fencing to prohibit people from throwing trash bags, furniture, and everything else into the creeks. Contractors will drive to these locations on a regular basis, and remove trash that has "bounced back" from the fence before additional trash is added to the site.</p> <p>Contra Costa County is asking for trash reduction credit based upon the long term program that removes illegally dumped items from County owned stream parcels and rights of way within unincorporated Contra Costa County. <b>In FY 16-17 the County removed 57,772 gallons gallons of illegally dumped items. Using the in stream clean up calculator, the actual reduction would be 26%. The County is asking for 15%, the maximum allowed.</b></p>		

Appendix 10-1. Baseline trash generation and areas addressed by full capture systems and other control measures in Fiscal Year 16-17.

TMA	2009 Baseline Trash Generation (Acres)					Trash Generation (Acres) in FY 16-17 After Accounting for Full Capture Systems					Jurisdiction-wide Reduction via <u>Full Capture Systems</u> (%)	Trash Generation (Acres) in FY 16-17 After Accounting for Full Capture Systems <u>and</u> Other Control Measures					Jurisdiction-wide Reduction via <u>Other Control Measures</u> (%)	Jurisdiction-wide Reduction via Full Capture <u>AND</u> Other Control Measures (%)
	L	M	H	VH	Total	L	M	H	VH	Total		L	M	H	VH	Total		
Alamo/Diablo/Black	10654	106	0	0	10760	10654	106	0	0	10760	0.0	10654	106	0	0	10760	0.0	0.0
Alham Valley Road	2	0	26	0	28	2	0	26	0	28	0.0	16	6	5	0	28	0.8	0.8
Alham&Reliez Valley	1693	8	55	0	1755	1693	8	55	0	1755	0.0	1693	8	55	0	1755	0.0	0.0
Bailey Road	3	0	0	8	11	3	0	0	8	11	0.0	8	2	1	0	11	0.8	0.8
Bay Point	1701	621	256	11	2589	1936	526	127	0	2589	7.6	2060	494	30	5	2589	3.7	11.4
Bethel Island	3264	158	3	0	3424	3264	158	3	0	3424	0.0	3264	158	3	0	3424	0.0	0.0
Byron	157	15	5	0	176	157	15	5	0	176	0.0	157	15	5	0	176	0.0	0.0
Byron Airport Zone	1461	0	0	0	1461	1461	0	0	0	1461	0.0	1461	0	0	0	1461	0.0	0.0
Castro Ranch Road	2	0	3	0	5	2	0	3	0	5	0.0	4	1	0	0	5	0.1	0.1
Clyde	85	4	0	0	89	85	4	0	0	89	0.0	85	4	0	0	89	0.0	0.0
Crockett/Port Costa	918	195	66	0	1178	918	195	66	0	1178	0.0	947	177	55	0	1178	0.6	0.6
Cummings Skyway	0	0	104	0	104	0	0	104	0	104	0.0	59	39	7	0	104	3.6	3.6
Discovery Bay	3786	27	2	0	3815	3786	27	2	0	3815	0.0	3786	27	2	0	3815	0.0	0.0
El Sobrante	1502	302	95	0	1899	1533	289	77	0	1899	0.9	1602	251	43	4	1899	1.4	2.2
Franklin Canyon Rd	3	0	36	0	39	3	0	36	0	39	0.0	26	10	3	0	39	1.3	1.3
Kensington	552	4	0	0	556	552	4	0	0	556	0.0	552	4	0	0	556	0.0	0.0
Kirker Pass Rd	0	0	0	61	61	0	0	0	61	61	0.0	20	27	11	2	61	6.5	6.5

Knightsen	129	0	0	0	130	129	0	0	0	130	0.0	129	0	0	0	130	0.0	0.0
North Richmond	163	278	186	18	645	163	278	186	18	645	0.0	287	271	68	19	645	4.8	4.8
Pacheco	287	90	10	0	387	306	75	5	0	387	0.3	331	49	7	0	387	0.2	0.5
Pinole Valley Rd	1	0	5	0	6	1	0	5	0	6	0.0	1	0	5	0	6	0.0	0.0
Rodeo	2105	254	33	33	2426	2221	203	2	0	2426	5.9	2231	192	4	0	2426	0.1	6.0
San Pablo Dam Rd	0	0	135	0	135	0	0	135	0	135	0.0	124	11	0	0	135	5.4	5.4
Uninc Antioch	556	81	3	0	640	556	81	3	0	640	0.0	556	81	3	0	640	0.0	0.0
Uninc Brentwood	292	6	0	0	298	292	6	0	0	298	0.0	292	6	0	0	298	0.0	0.0
Uninc Clayton	230	6	3	0	239	230	6	3	0	239	0.0	230	6	3	0	239	0.0	0.0
Uninc Concord	2750	187	4	0	2940	2753	183	3	0	2940	0.0	2753	185	2	0	2940	0.1	0.1
Uninc Martinez	2253	157	6	0	2415	2253	157	6	0	2415	0.0	2279	131	5	0	2415	0.3	0.3
Uninc Moraga	271	0	0	0	271	271	0	0	0	271	0.0	271	0	0	0	271	0.0	0.0
Uninc Oakley	388	22	14	0	424	388	22	14	0	424	0.0	388	22	14	0	424	0.0	0.0
Uninc Pittsburg	1327	0	0	0	1327	1327	0	0	0	1327	0.0	1327	0	0	0	1327	0.0	0.0
Uninc Pleasant Hill	42	0	0	0	42	42	0	0	0	42	0.0	42	0	0	0	42	0.0	0.0
Uninc Richmond	595	369	245	0	1210	745	354	111	0	1210	5.7	859	344	7	0	1210	4.4	10.1
Uninc San Ramon	1970	8	8	0	1986	1970	8	8	0	1986	0.0	1978	8	0	0	1986	0.3	0.3
Uninc Walnut Creek	2712	30	0	0	2741	2712	30	0	0	2741	0.0	2712	30	0	0	2741	0.0	0.0
Totals	41852	2929	1300	131	46212	42406	2736	983	87	46212	20.5	43180	2666	336	30	46212	34.5	55.0

Section 11 - Provision C.11 Mercury Controls

**C.11.a ► Implement Control Measures to Achieve Mercury Load Reductions**

**C.11.b ► Assess Mercury Load Reductions from Stormwater**

Please see the CCCWP's FY 2016-17 Annual Report for:

- Documentation of mercury control measures implemented in our agency's jurisdictional area for which load reductions will be reported and the associated management areas;
- A description of how the BASMAA Interim Accounting Methodology<sup>61</sup> was used to calculate the mercury load reduced by each control measure implemented in our agency's jurisdictional area and the calculation results (i.e., the estimated mercury load reduced by each control measure); and
- Supporting data and information necessary to substantiate the load reduction estimates.

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

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

x

Yes

No

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

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

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



Section 12 - Provision C.12 PCBs Controls

**C.12.a ► Implement Control Measures to Achieve PCBs Load Reductions**  
**C.12.b ► Assess PCBs Load Reductions from Stormwater**

See the CCCWP's FY 2016-17 Annual Report for:

- Documentation of PCBs control measures implemented in our agency's jurisdictional area for which load reductions will be reported and the associated management areas;
- A description of how the BASMAA Interim Accounting Methodology<sup>62</sup> was used to calculate the PCBs load reduced by each control measure implemented in our agency's jurisdictional area and the calculation results (i.e., the estimated PCBs load reduced by each control measure); and
- Supporting data and information necessary to substantiate the load reduction estimates.

If the regional and countywide PCBs load reductions required by C.12.a are not met, will Permittees in your county use the default population-based method to calculate the portion of the countywide load reduction required of each Permittee?

x

Yes

No

<sup>62</sup>BASMAA 2017. Interim Accounting Methodology for TMDL Loads Reduced, Version 1.0. Prepared for BASMAA by Geosyntec Consultants and EOA, Inc., September 19, 2016.

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

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

Does your agency plan to seek exemption from this requirement?

☐

Yes

☒

No

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

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

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

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

Section 13 - Provision C.13 Copper Controls

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

Provide summaries of permitting and enforcement activities to manage waste generated from cleaning and treating of copper architectural features, including copper roofs, during construction and post-construction.

Summary: **Contra Costa is not addressing this issue, It will initiate a program this permit year**

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

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

Summary:

Environmental Health Inspectors as well as Sanitary Districts inspect pools, as appropriate. Information is provided to pool owners by Environmental Health, the Sanitary District, and through the stormwater inspectors.

**C.13.c.iii ► Industrial Sources Copper Reduction Results**

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

Summary:

**Copper was not found to be a concern at the facilities inspected.**

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

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

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

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

**Summary:** Contra Costa County requires applicants for development permits to use the C.3 Guidebook to 1) minimize irrigation and runoff; 2) promote infiltration of runoff where appropriate; and, 3) minimize use of fertilizers and pesticides using pest-resistant plants that are suited to site conditions (e.g., soil and climate). Contra Costa County has a Green Business Program has certified over 350 businesses, including auto repair shops, landscapers, printers, grocery and hardware stores, solar panel installers, home remodelers. Contra Costa County financially supports the "Our Water Our World" (O-WOW) program through the Contra Costa Clean Water Program (CWP). O-WOW promotes non-toxic approaches and methods to address yard and garden pests in two Ace Hardware stores in unincorporated Contra Costa County (El Sobrante and Pacheco). Contra Costa County financially supported the "Bring Back the Natives" tour through a contribution from the CWP. Contra Costa County has an active and lively Integrated Pest Management Advisory Committee to the Board of Supervisors (IPM Committee). The IPM Committee includes key County staff (Agricultural Commissioner, County Stormwater Manager, Public Works Department (PWD) Division Manager for Facilities Services (buildings and landscape management), PWD Division Manager for Maintenance of Road and FCD facilities, citizen representatives from the environmental community, agricultural community, and citizens at large. At each semi-monthly meeting includes updates from County staff and contractors regarding pesticide use over the previous two month and anticipated activities in the next two months, updates from the two subcommittees (most recently focusing on addressing the spread of bedbugs in low income housing and motels Countywide and development of decision making documents to guide County staff and contractors efforts for use of grazing for vegetation management on County and FCD owned parcels,