



Contra Costa County
Flood Control
& Water Conservation District

Julia R. Bueren,
ex officio Chief Engineer
R. Mitch Avalon,
Deputy Chief Engineer

September 9, 2014

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

Dear Mr. Wolfe:

Enclosed is the 2013-2014 Annual Report for the Contra Costa County Flood Control & Water Conservation District, which is required by and in accordance with Provision C.16 in National Pollutant Discharge Elimination System (NPDES) Permit Number CAS612008 issued by the San Francisco Bay Regional Water Quality Control Board and by Provision D.5 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 fine and imprisonment for knowing violations.

As a point of clarification, compliance for both the Contra Costa County (CCC) and Contra Costa County Flood Control and Water Conservation District (FCD) NPDES permits are administered by the CCC Public Works Department (PWD) and more specifically by the County Watershed Program (CWP) which is located in the PWD. Many other departments within CCC work on NPDES compliance issues, most notably the Department of Conservation and Development (DCD), and our Health Services Department which includes Environmental Health Division and Hazardous Materials Program.

Should you have any questions, please contact me at (925) 313-2296 or at csell@pw.cccounty.us.

Sincerely,

A handwritten signature in blue ink that reads "Cece Sellgren".

Cece Sellgren
Stormwater Manager

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Enclosure

c: Steve Kowalewski, Administration
Mike Carlson, Flood Control
Paul Detjens, Flood Control

"Accredited by the American Public Works Association"

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FY 2013-2014 Annual Report

Permittee Name: Contra Costa County Flood Control and Water Conservation District

ATTACHMENT B

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Permittee Name: _____

Section 1 – Permittee Information

Background Information			
Permittee Name:	Contra Costa County Flood Control and Water Conservation District		
Population:	N/A		
NPDES Permit No.:	CAS612008 (San Francisco Bay RWQCB Permit) and/or CA00883313 (Central Valley RWQCB Permit)		
Order Number:	R2-2009-0074 (San Francisco Bay RWQCB) and/or R5-2010-0102 (Central Valley RWQCB)		
Reporting Time Period (month/year):	July 2013 through June 2014		
Name of the Responsible Authority:	Julia R. Bueren	Title:	Chief Engineer
Mailing Address:	255 Glacier Drive		
City:	Martinez	Zip Code:	94553
		County:	Contra Costa
Telephone Number:	(925) 313-2000	Fax Number:	(925) 313-2333
E-mail Address:	jbuer@pw.cccounty.us		
Name of the Designated Stormwater Management Program Contact (if different from above):	Cece Sellgren	Title:	Stormwater Manager
Department:	Public Works		
Mailing Address:	Same as above		
City:		Zip Code:	
		County:	
Telephone Number:	(925) 313-2296	Fax Number:	(925) 313-2333
E-mail Address:	csell@pw.cccounty.us		

Section 2 - Provision C.2 Reporting Municipal Operations

Program Highlights and Evaluation

Highlight/summarize activities for reporting year:

Summary:

Refer to the C.2 Municipal Operations section of Contra Costa County's (CCC) PY 13-14 Annual Report for a description of activities implemented at the countywide and/or regional level.

The Flood Control Division (FCD) Municipal operations are performed by County Public Works Maintenance employees, who follow all protocols and BMPs for both County and FCD municipal operations practices.

This PY 2013-14 maintenance crews removed 452 cubic yards of debris from homeless encampments at 116 locations and 43 cubic yards of debris from the trash racks in 40 locations.

County Watershed Program (CWP) staff worked collaboratively with FCD Maintenance crews throughout PY 2013-14 to ensure implementation of stormwater protection during municipal maintenance activities within flood control facilities. FCD continued to follow the creek protective Best Management Practices (BMPs) outlined in the Routine Maintenance Agreement (RMA) with the California Department of Fish and Wildlife for flood control maintenance activities within waterways, including sediment removal, vegetation management, and bank stabilization. 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, measures to minimize erosion and sedimentation, and BMPs to minimize disruptions to habitat.

In general clean water activities related to FCD include drainage maintenance, ditch/basin cleaning, silt removal, concrete channel cleaning, flushing culverts, and graffiti removal. The RMA requires numerous control measures that will help protect water quality during vegetation management, when using cement materials, employing heavy equipment and when deploying erosion control

Permittee Name: Contra Costa County Flood Control and Water Conservation District

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.

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

Comments: The FCD does not maintain streets or roads.

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.

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

Comments:

FCD does not own/operate any public sidewalk or plaza facilities. In-house fuel station is maintained by CCC Public Works Department (CCCPWD) using dry clean-up procedures.

Flood Control Maintenance crews use dry clean-up methods only, including street sweeping, manual sweeping and wiping with rags. No washing activities are carried out.

Permittee Name: Contra Costa County Flood Control and Water Conservation District

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

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

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

Comments:

FCD Maintenance crews use all appropriate BMPs for flood facility repair/maintenance work to protect streams. 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 FCD projects have BMP requirements that contractors must adhere to.

Job sites are always left clean after work is completed. Graffiti abatement is generally performed by spraying over graffiti with primer paint. All waste generated from these activities is taken to the County Central Waterbird Way Corporation Yard's hazardous waste storage area and properly disposed of by a hazardous waste management contractor.

On April 10, 2014 Public Works Department (PWD) Maintenance staff attended the Hazardous Substances Awareness and First Responder Operations Annual Refresher training by a County Health Service Department Hazardous Material Programs Certified Trainer. The training included segments on the Corp Yard's Stormwater Pollution Prevention Plans (SWPPPs), Emergency Contingency Plan, Hazardous Substances Awareness, Spill Clean-up Procedures, Basic Hazardous Waste Management and Hazardous Materials Emergency Response. Staff in attendance included 56 staff, 74% of Maintenance staff.

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 major repairs to flood protection facilities and construction of new flood protection facilities. 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.

Permittee Name: Contra Costa County Flood Control and Water Conservation District

C.2.d. ► Stormwater Pump Stations

Does your municipality own stormwater pump stations: Yes No

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

Complete the following table for dry weather DO monitoring and inspection data for pump stations¹ (add more rows for additional pump stations). If a pump station is exempt from DO monitoring, explain why it is exempt.

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

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

Summary:

Attachments:

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

Pump Station Name and Location	Date (2x/year required)	Presence of Trash (Cubic Yards)	Presence of Odor (Yes or No)	Presence of Color (Yes or No)	Presence of Turbidity (Yes or No)	Presence of Floating Hydrocarbons (Yes or No)
NA						

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

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

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

Permittee Name: Contra Costa County Flood Control and Water Conservation District

C.2.f. ► Corporation Yard BMP Implementation			
Place an X in the boxes below that apply to your corporations yard(s):			
NA	We do not have a corporation yard		
NA	Our corporation yard is a filed NOI facility and regulated by the California State Industrial Stormwater NPDES General Permit		
NA	We have a Stormwater Pollution Prevention Plan (SWPPP) for the Corporation Yard(s)		
Place an X in the boxes below next to implemented SWPPP BMPs to indicate that these BMPs were implemented in applicable instances. If not applicable, type NA in the box. If one or more of the BMPs were not adequately implemented during the reporting fiscal year then indicate so and explain in the comments section below:			
NA	Control of pollutant discharges to storm drains such as wash waters from cleaning vehicles and equipment		
NA	Routine inspection prior to the rainy seasons of corporation yard(s) to ensure non-stormwater discharges have not entered the storm drain system		
NA	Containment of all vehicle and equipment wash areas through plumbing to sanitary or another collection method		
NA	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		
NA	Cover and/or berm outdoor storage areas containing waste pollutants		
Comments:			
FCD facilities are maintained by County staff who utilize County Corporation yards. See Contra Costa County Annual report for details.			
If you have a corporation yard(s) that is not an NOI facility, complete the following table for inspection results for your corporation yard(s) or attach a summary including the following information:			
Corporation Yard Name	Inspection Date (1x/year required)	Inspection Findings/Results	Follow-up Actions
NA – See CCC Annual Report			

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

C.3.b.v.(2)(a) ► Green Streets Status Report

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

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

Summary:

The Flood Control District does not develop streets, and is not developing a pilot green street project.

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

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

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

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

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

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

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

With the exception of discretionary encroachment permits issued within its right-of-way, the Flood Control District does not wield land use authority. In the unlikely event that a C.3.b-regulated project were to be proposed within the Flood Control District's right-of-way, the Flood Control District would require that project to implement 100% LID treatment in compliance with C.3.d; a proposal to implement 100% LID alternative compliance in accordance with C.3.e will be considered.

Flood control facilities owned/developed by the Flood Control District may in fact offer unique opportunities for developing alternative compliance LID facilities that could provide treatment and/or flow control for off-site projects.

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C.3.e.vi ► Special Projects Reporting

1. Has your agency received, but not yet granted final discretionary approval of, a development permit application for a project that has been identified as a potential Special Project based on criteria listed in MRP Provision C.3.e.ii(2) for any of the three categories of Special Projects (Categories A, B or C)?		Yes	X	No
2. Has your agency granted final discretionary approval of a project identified as a Special Project in the March 15, 2014 report? If yes, include the project in both the C.3.b.v.(1) Table, and the C.3.e.vi. Table.		Yes	X	No
<p>If you answered "Yes" to either question,</p> <ul style="list-style-type: none"> 1) Complete Table C.3.e.vi . below. 2) Attach narrative discussion of 100% LID Feasibility or Infeasibility for each project. 				

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

(1) Fill in attached table C.3.h.iv.(1) or attach your own table including the same information.
(2) On an annual basis, provide a discussion of the inspection findings for the year and any common problems encountered with various types of treatment systems and/or HM controls. This discussion should include a general comparison to the inspection findings from the previous year.
<p>Summary:</p> <p>NA; no C.3 facilities have been developed within the areas over which the Flood Control District wields any land use authority, so it has not been necessary to develop an Operation and Maintenance Verification Program.</p>
(3) On an annual basis, provide a discussion of the effectiveness of the O&M Program and any proposed changes to improve the O&M Program (e.g., changes in prioritization plan or frequency of O&M inspections, other changes to improve effectiveness program).
<p>Summary:</p> <p>NA; see above.</p>
(4) During the reporting year, did your agency:

Permittee Name: Contra Costa County Flood Control and Water Conservation District

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

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

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

Summary:

With the exception of discretionary encroachment permits issued within its right-of-way, the Flood Control District does not wield land use authority. In the unlikely event that a C.3.i-regulated project were to be proposed within the Flood Control District's right-of-way, the municipality in which any project on Flood Control District right-of-way were proposed would be primarily responsible for ensuring that the development application included a Stormwater Control Plan meeting the criteria in the most recent version of the *Stormwater C.3 Guidebook*.

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

Permittee Name: Contra Costa County Flood Control and Water Conservation District

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

Project Name Project No.	Project Location ¹⁰ , Street Address	Name of Developer	Project Phase No. ¹¹	Project Type & Description ¹²	Project Watershed ¹³	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft ²) ¹⁴	Total Replaced Impervious Surface Area (ft ²) ¹⁵	Total Pre- Project Impervious Surface Area ¹⁶ (ft ²)	Total Post- Project Impervious Surface Area ¹⁷ (ft ²)
Private Projects											
NA											
Public Projects											
NA											
Comments: No private projects regulated by C.3.b were approved by the Flood Control District during PY13-14.											

¹⁰ Include cross streets

¹¹ 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".

¹² 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.

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

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

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

¹⁶ For redevelopment projects, state the pre-project impervious surface area.

¹⁷ For redevelopment projects, state the post-project impervious surface area.

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

Project Name Project No.	Application Deemed Complete Date ¹⁸	Application Final Approval Date ¹⁹	Source Control Measures ²⁰	Site Design Measures ²¹	Treatment Systems Approved ²²	Type of Operation & Maintenance Responsibility Mechanism ²³	Hydraulic Sizing Criteria ²⁴	Alternative Compliance Measures ^{25/26}	Alternative Certification ²⁷	HM Controls ^{28/29}
Private Projects										
NA										
Comments: No private projects regulated by C.3.b were approved by the Flood Control District during PY13-14.										

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

¹⁹ 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.

²⁰ 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.

²¹ 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.

²² 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.).

²³ 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.

²⁴ 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).

²⁵ 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.

²⁶ 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.

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

²⁸ If HM control is not required, state why not.

²⁹ 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).

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

Project Name Project No.	Approval Date ³⁰	Date Construction Scheduled to Begin	Source Control Measures ³¹	Site Design Measures ³²	Treatment Systems Approved ³³	Operation & Maintenance Responsibility Mechanism ³⁴	Hydraulic Sizing Criteria ³⁵	Alternative Compliance Measures ^{36/37}	Alternative Certification ³⁸	HM Controls ^{39/40}
Public Projects										
NA										
Comments: No private projects regulated by C.3.b were approved by the Flood Control District during PY13-14.										

³⁰ For public projects, enter the plans and specifications approval date.

³¹ 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.

³² 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.

³³ 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.).

³⁴ 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.

³⁵ 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).

³⁶ 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.

³⁷ 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.

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

³⁹ If HM control is not required, state why not.

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

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

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

Name of Facility/Site Inspected	Address of Facility/Site Inspected	Newly Installed? (YES/NO) ⁴¹	Party Responsible ⁴² For Maintenance	Date of Inspection	Type of Inspection ⁴³	Type of Treatment/HM Control(s) Inspected ⁴⁴	Inspection Findings or Results ⁴⁵	Enforcement Action Taken ⁴⁶	Comments/Follow-up
N/A; no projects regulated by C.3.b have been developed by the Flood Control District or within its right-of-way.									

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

⁴² State the responsible operator for installed stormwater treatment systems and HM controls.

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

⁴⁴ State the type(s) of treatment systems inspected (e.g., bioretention facility, flow-through planter, infiltration basin, etc...) and the type(s) of HM controls inspected, and indicate whether the treatment system is an onsite, joint, or offsite system.

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

⁴⁶ State the enforcement action(s) taken, if any.

C.3.e.vi.Special Projects Reporting Table												
Reporting Period – January 1 – June 30, 2013												
Project Name & No.	Permittee	Address	Application Submittal Date ⁴⁷	Status ⁴⁸	Description ⁴⁹	Site Total Acreage	Density DU/Acre	Density FAR	Special Project Category ⁵⁰	LID Treatment Reduction Credit Available ⁵¹	List of LID Stormwater Treatment Systems ⁵²	List of Non-LID Stormwater Treatment Systems ⁵³
N/A; no applications that may qualify as Special Projects have been proposed by the Flood Control District or within its right-of-way.												

⁴⁷ Date that a planning application for the Special Project was submitted.

⁴⁸ 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.

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

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

⁵¹ 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.

⁵² 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 (assume % of total runoff = % of total equivalent impervious area).

⁵³ 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. (Contra Costa's criteria were adopted March 20, 2013.)

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

Program Highlights

Provide background information, highlights, trends, etc.

FCD is a non-population entity with no commercial or industrial facilities in its jurisdiction, therefore, C.4 inspection program activities do not apply.

Refer to the C.4. Industrial and Commercial Site Controls section of the CCCWPs FY 13-14 Annual Report for a description of activities of the CCCWP's Municipal Operations Committee and/or the BASMAA Municipal Operations Committee.

C.4.b.i. ► Business Inspection Plan

Do you have a Business Inspection Plan? Yes No

If No, explain: NA

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

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

NA

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

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

NA

Permittee Name: Contra Costa County Flood Control and Water Conservation District

C.4.c.iii.(1) ► Facility Inspections

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

NA	Permittee reports multiple discrete violations on a site as one violation.
NA	Permittee reports the total number of discrete violations on each site.

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

Comments:
NA. The FCD has no Commercial or Industrial facilities within its jurisdiction.

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

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

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

Comments:
NA

Permittee Name: Contra Costa County Flood Control and Water Conservation District

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

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

	Enforcement Action (as listed in ERP) ⁴⁸	Number of Enforcement Actions Taken	% of Enforcement Actions Taken ⁴⁹
Level 1	NA	-	-
Level 2	NA	-	-
Level 3	NA	-	-
Level 4	NA	-	-
Total		-	-

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

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

Business Category ⁵⁰	Number of Actual Discharge Violations	Number of Potential/Other Discharge Violations
NA	-	-

C.4.c.iii.(4) ▶ Non-Fileers

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

NA

C.4.d.iii ▶ Staff Training Summary

Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance	Percent of Inspectors in Attendance
NA				

⁴⁸ Agencies to list specific enforcement actions as defined in their ERPs.

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

⁵⁰ List your Program's standard business categories.

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

Program Highlights

Provide background information, highlights, trends, etc.

This PY 2013-14 County Watershed Program (CWP) works with Flood Control Maintenance staff, Environmental Health, and Hazardous Materials to coordinate response to and referrals of illicit discharge complaints. Illicit discharges are often identified by citizens, Public Work Maintenance staff or Environmental Health staff. When discharges are identified, staff makes the appropriate contacts for the situation. For example, if hazardous materials are found, the Hazardous Materials staff are contacted. For more details and updated information, a revised C.5 Enforcement Response Plan and Flowchart is attached.

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

For the Flood Control District, two challenges that may lead to illicit discharges include vandalism and homeless encampments. County Maintenance staff routinely inspect and clean up flood control channels.

Refer to the C.5 Illicit Discharge Detection and Elimination section of the CCCWP's FY 13-14 Annual Report for description of activities at the countywide or regional level.

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

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

Contact	Description	Phone Number
See attachment C.5.c.iii Contacts List		

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

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

Description:
NA

Permittee Name: Contra Costa County Flood Control and Water Conservation District

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

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

Description:

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

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

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

Comments:

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

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

For FY 2013-14, no illicit discharges were reported in the Flood Control facilities.

Section 6 – Provision C.6 Construction Site Controls

C.6.e.iii.1.a, b, c ▶ Site/Inspection Totals		
Number of High Priority Sites (sites disturbing < 1 acre of soil requiring storm water runoff quality inspection) (C.6.e.iii.1.a)	Number of sites disturbing ≥ 1 acre of soil (C.6.e.iii.1.b)	Total number of storm water runoff quality inspections conducted (include only High Priority Site and sites disturbing 1 acre or more) (C.6.e.iii.1.c)
0	0	0
Comments: The FCD constructed the Upper Sand Creek Detention Basin in Southeast Antioch in PY 13-14.		

C.6.e.iii.1.d ▶ Construction Activities Storm Water Violations		
BMP Category	Number of Violations⁵¹ excluding Verbal Warnings	% of Total Violations⁵²
Erosion Control	0	N/A
Run-on and Run-off Control	0	N/A
Sediment Control	0	N/A
Active Treatment Systems	0	N/A
Good Site Management	0	N/A
Non Stormwater Management	0	N/A
Total⁵³	0	100%

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

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

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

Permittee Name: Contra Costa County Flood Control and Water Conservation District

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

	Enforcement Action (as listed in ERP) ⁵⁴	Number Enforcement Actions Issued	% Enforcement Actions Issued ⁵⁵
Level 1 ⁵⁶	Verbal Warning (accompanied by Warning Notice)	0	N/A
Level 2	Notice of Violation / Field Order	0	N/A
Level 3	Stop Work Order / Administrative Penalties / Cost Recovery	0	N/A
Level 4	Legal Action / Referral to Regulatory Agencies / Work Conducted by Flood Control District with Costs Billed to Responsible Party	0	N/A
Total		0	100%

C.6.e.iii.1.f, g ► Illicit Discharges

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

⁵⁴ Agencies should list the specific enforcement actions as defined in their ERPs.

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

⁵⁶ For example, Enforcement Level 1 may be Verbal Warning.

Permittee Name: Contra Costa County Flood Control and Water Conservation District

C.6.e.iii.1.h, i ► Violation Correction Times		
	Number	Percent
Violations (excluding verbal warnings) fully corrected within 10 business days after violations are discovered or otherwise considered corrected in a timely period (C.6.e.iii.1.h)	0	N/A
Violations (excluding verbal warnings) not fully corrected within 30 days after violations are discovered (C.6.e.iii.1.i)	0	N/A
Total number of violations (excluding verbal warnings) for the reporting year⁵⁷	0	100%
Comments: NA; no violations were cited since no projects were developed by the Flood Control District during PY13-14 that disturbed more than 1 acre of land, or that posed a sufficient risk to water quality to merit them being designated High Priority.		

C.6.e.iii.(2) ► Evaluation of Inspection Data
Describe your evaluation of the tracking data and data summaries and provide information on the evaluation results (e.g., data trends, typical BMP performance issues, comparisons to previous years, etc.).
Description: N/A; there is no inspection data to analyze for PY 13-14 since no projects were developed by the Flood Control District during PY13-14 that disturbed more than 1 acre of land, or that posed a sufficient risk to water quality to merit them being designated High Priority.

C.6.e.iii.(2) ► Evaluation of Inspection Program Effectiveness
Describe what appear to be your program's strengths and weaknesses, and identify needed improvements, including education and outreach.
Description: No projects were developed by the Flood Control District during PY13-14 that disturbed more than 1 acre of land, or that posed a sufficient risk to water quality to merit them being designated High Priority. It should be noted that inspections for Flood Control District projects are conducted by (unincorporated) Contra Costa County's Inspectors.
A number of enhancements were made to the (unincorporated) Contra Costa County / Flood Control District inspection program during PY13-14: <ul style="list-style-type: none"> • Training sessions were conducted for Construction Inspectors (Public Works) at the onset of the rainy season. The trainings were attended by 100% of inspectors responsible for construction site stormwater inspections (Refer to table C.6.f.)
Revisions to inspection forms and/or consider implementing a new database to record and track construction site stormwater inspections.

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

Permittee Name: Contra Costa County Flood Control and Water Conservation District

C.6.f ▶ Staff Training Summary				
Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance	Percent of Inspectors in Attendance
Construction Site Stormwater Controls Workshop – Walnut Creek Civic Arts Education Center	April 10, 2014	<ul style="list-style-type: none"> • C.6 Requirements Overview • Recognizing C.6 BMPs – Inspector's Eye • Relating C.6 to the Construction General Permit • Inspections, Documentation, and Reporting • Enforcement – Using the ERP • Using Inspection Tools Exercise and Discussion 	9	100%

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

C.7.b.ii.1 ▶ Advertising Campaign

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

Summary:
Refer to the CCCWP's Annual Report for a complete review of advertising efforts conducted on behalf of all Permittees.

C.7.b.iii.1 ▶ Pre-Campaign Survey

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

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

	Survey report attached
X	Reference to regional submittal: Refer to Section C.7 in the CCCWP's FY 13-14 Annual Report for complete details on the pre-campaign survey conducted for the CCCWP's Pesticide Campaign.

C.7.b.iii.2 ▶ Post-Campaign Survey

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

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

	Survey report attached
X	Reference to regional submittal: Refer to Section C.7 in the CCCWP's FY 13-14 Annual Report for complete details on the post-campaign survey conducted for the CCCWP's Pesticide Campaign.

Permittee Name: Contra Costa County Flood Control and Water Conservation District

C.7.c ▶ Media Relations

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

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

Summary:

The following separate report developed by BASMAA summarizes media relations efforts conducted during FY 13-14:

BASMAA Media Relations Final Report FY 13-14

This report and any other media relations efforts conducted countywide is included within the C.7 Public Information and Outreach section of the Countywide Program's FY 13-14 Annual Report."

C.7.d ▶ Stormwater Point of Contact

Summary of any changes made during FY 13-14:

No Change

C.7.e ▶ Public Outreach Events

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

Use the following table for reporting and evaluating public outreach events

Event Details	Description (messages, audience)	Evaluation of Effectiveness
Provide event name, date, and location. Indicate if event is local, countywide or regional.	Identify type of event (e.g., school fair, farmers market etc.), type of audience (school children, gardeners, homeowners etc.) and outreach messages (e.g., Enviroscope presentation, pesticides, stormwater awareness)	Provide general staff feedback on the event (e.g., success at reaching a broad spectrum of the community, well attended, good opportunity to talk to gardeners etc.). Provide other details such as: <ul style="list-style-type: none"> • Estimated overall attendance at the event. • Number of people that visited the booth, comparison with previous years

Permittee Name: Contra Costa County Flood Control and Water Conservation District

		<ul style="list-style-type: none"> • Number of brochures and giveaways distributed • Results of any spot surveys conducted
6531 San Pablo Dam Road Nature Walk, 8/7/2013	Nature walk with SPAWNERS	<ul style="list-style-type: none"> · 28 in attendance · Attendees learned about local history and plants
Richmond Shoreline Festival, 10/12/2013	Tabling by SPAWNERS	<ul style="list-style-type: none"> · 40 attendees visited booth
Student Presentation at De Anza High School, 2/6/2014	Student presentation organized by SPAWNERS	<ul style="list-style-type: none"> · 12 in attendance · Attendees learned about the students' anti-littering campaign
New Leaf High School Collaborative, monthly during school year	High school level education of pollution prevention, NPS pollution, and aquatic habitats by the Alhambra Watershed Council.	<ul style="list-style-type: none"> · 12 student participants in the 2013-2014 school year · 29 total student participants since 4/2012 · Approximately 40 in-class presentations given per year
Broadcast Seeding Marsh Creek 4 with Del La Salle High School, 3/15/2013 - 2/27/2014	County sponsored stewardship program with Save Mount Diablo	<ul style="list-style-type: none"> · 256 volunteers · 911 hours of stewardship completed · Hosted several special volunteer events
Earth Day Invasive Plant Removal at Marsh Creek 4, 4/22/2014	County sponsored invasive plant removal and native plant protection with Save Mount Diablo	<ul style="list-style-type: none"> · Approximately 20 volunteers · Hemlock, radish, mustard, and periwinkle plants removed · Plantings watered · Grass plots seeded · Native plants caged

C.7.f. ► Watershed Stewardship Collaborative Efforts

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

Evaluate effectiveness by describing the following:

- Efforts undertaken
- Major accomplishments

Summary:

Permittee Name: Contra Costa County Flood Control and Water Conservation District

Refer to Section C.7 in the CCCWP's FY 13-14 Annual Report

C.7.g. ► Citizen Involvement Events

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

Event Details	Description	Evaluation of effectiveness
Provide event name, date, and location. Indicate if event is local, countywide or regional	Describe activity (e.g., creek clean-up, storm drain marking etc.)	Provide general staff feedback on the event. Provide other evaluation details such as: <ul style="list-style-type: none"> • Number of participants. Any change in participation from previous years. • Distance of creek or water body cleaned • Quantity of trash/recyclables collected (weight or volume). • Number of inlets marked. • Data trends
Giving the Natives a Chance – Clayton Valley Drain – 12/7/2014	Planted 16,000 plugs of native grasses and plants to outcompete invasives	<ul style="list-style-type: none"> • Approximately 100 volunteers • 16,000 plugs of grass planted • Educational presentation at commencement of event • 1280 pounds of trash removed from channel
Giving the Natives a Chance – Upper Sand Creek Basin – 3/8/2014	With community help enhanced the natural setting of the 10 acres of restored wetlands with plants that were gathered from the site prior to construction and propagated in the District's Volunteer Restoration nursery. These native species include Valley Oak, Blue Oak, California Sagebrush, California Rose, California Mugwort, Elderberry, Willow, California Buckeye, and Cottonwood.	<ul style="list-style-type: none"> • Over 100 volunteers • Coverage in the local media • Educational presentation at commencement of event • 400 trees planted

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C.7.h. ► School-Age Children Outreach

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

Program Details	Focus & Short Description	Number of Students/Teachers reached	Evaluation of Effectiveness
Provide the following information: Name Grade or level (elementary/ middle/ high)	Brief description, messages, methods of outreach used	Provide number or participants	Provide agency staff feedback. Report any other evaluation methods used (quiz, teacher feedback etc.). Attach evaluation summary if applicable.
Refer to the C.7 Section of the CCCWP's FY 13-14 Annual Report for a description of School-age Children Outreach efforts conducted at the countywide level. In addition, add information on any local School-age Children Outreach efforts to this table.			

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Section 8 - Provision C.8 Water Quality Monitoring

C.8 ► Water Quality Monitoring

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

Summary

During FY 13-14, we contributed through the CCCWP to the BASMAA Regional Monitoring Coalition (RMC). In addition, we contributed financially to the Regional Monitoring Program for Water Quality in the San Francisco Estuary (RMP) and were represented at RMP committees and work groups. Monitoring efforts and results are documented in a separate report submitted March 15 of each year, as required in Provision C.8. For additional information on monitoring activities conducted by the CCCWP, BASMAA RMC and the RMP, see the C.8 Water Quality Monitoring section of the Program's FY 13-14 Annual Report and the Integrated Monitoring Report.

The FCD conducted the third and final year of the Grazing Study, which compared the safety, efficacy, and costs of herbicide application, sheep grazing, and goat grazing within a trapezoidal earthen channel of Walnut Creek within the city of Concord. The third year grazing study followed the same grazing plan as the second year: two acres plots for each of the three treatments, replicated at two reaches. Due to the lack of rainfall and subsequent reduced plant production, the grazing time was cut short by one day at each reach.

Water quality parameters that were monitored included:

Lab Analysis

- Glyphosate
- Triclopyr
- POE nonylphenol
- Dodecylbenzene
- Enterocci
- NH3/NH4
- Total Coliform

In situ monitoring

- Time of Day
- Stream Flow
- Turbidity
- Temperature
- Electrical Conductivity
- Salinity
- Dissolved O2

The final report of the grazing study will be completed during PY 14-15. The Executive summary will be submitted with the FCD's 14-15 Annual Report

Permittee Name: Contra Costa County Flood Control and Water Conservation District

Section 9 – Provision C.9 Pesticides Toxicity Controls

C.9.b ► Implement IPM Policy or Ordinance

Report implementation of IPM BMPs by showing trends in quantities and types of pesticides used, and suggest reasons for increases in use of pesticides that threaten water quality, specifically organophosphates, pyrethroids, carbaryl, and fipronil. A separate report can be attached as evidence of your implementation.

Trends in Quantities and Types of Pesticides Used⁵⁸

Pesticide Category and Specific Pesticide Used	Amount ⁵⁹				
	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14
Organophosphates	0	0	0	0	0
Product or Pesticide Type A					
Product or Pesticide Type B					
Pyrethroids	0	0	0	0	0
Product or Pesticide Type X					
Product or Pesticide Type Y					
Carbaryl	0	0	0	0	0
Fipronil	0	0	0	0	0

C.9.c ► Train Municipal Employees

Enter the number of employees that applied or used pesticides (including herbicides) within the scope of their duties this reporting year.	4
Enter the number of these employees who received training on your IPM policy and IPM standard operating procedures within the last 3 years.	4
Enter the percentage of municipal employees who apply pesticides who have received training in the IPM policy and IPM standard operating procedures within the last three years.	100%

⁵⁸ Includes all municipal structural and landscape pesticide usage by employees and contractors.

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

Permittee Name: Contra Costa County Flood Control and Water Conservation District

C.9.d ▶ Require Contractors to Implement IPM

Did your municipality contract with any pesticide service provider in the reporting year?				<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
If yes, attach one of the following:							
<input type="checkbox"/>	Contract specifications that require adherence to your IPM policy and standard operating procedures, OR						
<input type="checkbox"/>	Copy(ies) of the contractors' IPM certification(s) or equivalent, OR						
<input type="checkbox"/>	Equivalent documentation.						
If Not attached , explain:							

C.9.e ▶ Track and Participate in Relevant Regulatory Processes

Summarize participation efforts, information submitted, and how regulatory actions were affected OR reference a regional report that summarizes regional participation efforts, information submitted, and how regulatory actions were affected.	
Summary: During FY 13-14, 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.	

C.9.f ▶ Interface with County Agricultural Commissioners

Did your municipal staff observe any improper pesticide usage or evidence of improper usage (e.g., pesticides in storm drain systems, along street curbs, or in receiving waters) during this fiscal year?				<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	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. No improper pesticide use was observed within FCD right of way.							

C.9.h.ii ▶ Public Outreach: Point of Purchase

Provide a summary of public outreach at point of purchase, and any measurable awareness and behavior changes resulting from outreach (here or in a separate report); OR reference a report of a regional effort for public outreach in which your agency participates.	
Summary: See the C.9 Pesticides Toxicity Control section of the CCCWP's FY 13-14 Annual Report for information on point of purchase public outreach conducted countywide and regionally.	

Permittee Name: Contra Costa County Flood Control and Water Conservation District

C.9.h.vi ► Public Outreach: Pest Control Operators

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

Summary:

See the C.9 Pesticides Toxicity Control section of CCCWP's FY 13-14 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.

Section 10 - Provision C.10 Trash Load Reduction

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

Provide the following:

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

Descriptions of Actions/Tasks (Conducted or Planned):

Contra Costa County Flood Control District installed a single full trash capture device (FTCD) at the Upper Sand Creek Detention Basin in the fall of 2013. The custom built FTCD treats a 870 acres within the City of Antioch, approximately half of which is currently developed. The developed areas include high density residential development (6du/ac), and elementary school and a high school. This single trash capture device meets the requirements of both the Central Valley (one boom or outfall trash capture device), as well as the San Francisco Bay Water Board requirement (2 trash booms or 4 outfall trash capture devices), as stated in the attached letter from Tom Mumley.

Descriptions of Maintenance Activities:

The trash capture net device has proven very effective at screening all kinds of debris in SE Antioch's stormwater. It requires cleaning after every rain event. It has also entraps wildlife within the storm drain network that are swept up in the stormwater. County Maintenance staff inspected, cleaned, and maintained the trash capture net 6 times. Maintenance staff reported that leaf litter clogged the trash capture device throughout the fall and early winter. Later winter storms, which were more intense caused flows to overtop the trash capture net.

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C.10 – Trash Load Reduction

Permittee Name: Contra Costa County Flood Control and Water Conservation District

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

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

Trash Hot Spot	FY 13-14 Cleanup Date	Volume of Trash Removed (cubic yards)				Dominant Type(s) of Trash in FY 2013-14	Trash Sources in FY 2013-14 (where possible)
		FY 2010-11	FY 2011-12	FY 2012-13	FY 2013-14		
FCD-SF01 Riverside Ditch	5/27/14	251 Pounds	22 lbs.	89 lbs.	29 lbs.	Styrofoam Carry-out items Plastics	Schools Neighborhoods
FCD-SF02 Pine Creek	6/25/14	667 Pounds	923 lbs.	128 lbs.	245 lbs.	Cigarette butts Glass	U/S dumping Homeless dumping
FCD-SF03 Wildcat Creek @EBRPD	4/26/14	1190 Pounds	350 lbs.	93 lbs.	118 lbs.	Styrofoam Plastic Bottles	Litter entering storm drain network
FCD-SF04 San Pablo Creek @ Parr	5/6/14	410 Pounds	269 lbs.	243 lbs.	330 lbs.	Convenience food wrappers Plastic Plastic bags Paper	Litter entering storm drain network
FCD-CV01 Line E	6/25/14	68 Pounds	51 lbs.		12 lbs.	Convenience food wrappers Bottles	Neighborhoods
FCD-CV02 Line E (Part 2)	6/25/14	176 Pounds	56 lbs.	81 lb.	24 lbs.	Convenience food wrappers Bottles	Neighborhoods

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

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

Description of Significant Revision	Associated TMA
NA	NA

Permittee Name: Contra Costa County Flood Control and Water Conservation District

C.10.d ► PART A - Trash Control Measure Implementation and Assessment (Jurisdictional-wide Actions)

Provide a description of each jurisdictional-wide trash control measure implemented to-date. Identify the dominant trash source(s) and dominant type(s) of trash addressed by each control measure. For each jurisdictional-wide measure, identify the trash assessment method(s) used to demonstrate on-going reductions, summarize the results of the assessment(s), and estimate the associated reduction of trash within your jurisdictional area.

Guidance – See Next Page

Control Measure	Summary Description of Control Measure & Dominant Trash Sources and Types	Assessment Method(s)	Summary of Assessment Results To-date	Estimated % Trash Reduced
Single-use Plastic Bag Ordinance or Policy	NA			
Expanded Polystyrene Food Service Ware Ordinance or Policy	NA			
Public Education and Outreach Programs Targeted at Trash Reduction and Implemented post-MRP Adoption	NA			

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

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

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

Permittee Name: Contra Costa County Flood Control and Water Conservation District

C.10.d ► PART B - Trash Control Measure Implementation and Assessment (TMA Specific Actions)								
TMA ID	TMA Area (Acres)	Dominant Sources	Dominant Types		% TMA in Each Trash Generation Category			
					VH	H	M	L
NA	NA	NA	NA	Baseline Generation (Pre-MRP)				
Trash Full Capture Devices		Summary Descriptions of Full Trash Capture Devices (Quantity and Type)		After taking into account Full Capture Devices				
Total Area (Acres)								
% of TMA								
% of VH/H/M								
Summary Descriptions of Control Measures Implemented Since MRP Adoption, Other than Full Capture Devices				After taking into account all New or Enhanced (post-MRP) Control Measures				
Assessment Methods for Control Measures Other than Full Capture Devices								
Summary of Assessment Results To-date								
Estimated % Trash Reduction in TMA due to New or Enhanced Post-MRP actions								
Estimated % Trash Reduction Jurisdiction-wide due to New or Enhanced Post-MRP actions								

Permittee Name: Contra Costa County Flood Control and Water Conservation District

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

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

Discussion of Trash Reduction Estimate:

Estimated % Trash Reduction due to Jurisdictional-wide Actions	NA
Estimated % Trash Reduction due to Trash Full Capture Devices (All TMAs)	NA
Estimated % Trash Reduction due to Other Control Measures (All TMAs)	NA
SubTotal for Above Actions	
Estimated % Trash Reduction due to Creek/Shoreline Cleanups (All TMAs)	NA
Total Estimated % Trash Reduction in FY 13-14	

Permittee Name: Contra Costa County Flood Control and Water Conservation District

Section 11 - Provision C.11 Mercury Controls

C.11.a.i ► Mercury Recycling Efforts

List below or attach lists of efforts to promote, facilitate, and/or participate in collection and recycling of mercury containing devices and equipment at the consumer level (e.g., thermometers, thermostats, switches, bulbs).
 Refer to PY 13-14 Countywide Program Annual Report for a list of mercury collection and recycling efforts conducted countywide and regionally.

C.11.a.ii ► Mercury Collection

Provide an estimate of the mass of mercury collected through these efforts, or provide a reference to a report containing this estimate.
 As a non-population based entity, FCD does not have a consumer base to encourage facilitation of proper mercury disposal. See Contra Costa County's Annual report for efforts in unincorporated County.

Mercury Containing Device/Equipment	Total Amount of Devices Collected	Estimated Mass of Mercury Collected
Fluorescent Lamps ⁶⁰ (linear feet)	NA	NA
CFLs ⁶¹ (each)	NA	NA
Thermostats ⁶² (each)	NA	NA
Thermostats (lbs)	NA	NA
Thermometers (each)	NA	NA
Switches (lbs)	NA	NA
Total Mass of Mercury Collected During FY 2013-2014:		

⁶⁰ Only linear fluorescent lamps should be included

⁶¹ Only compact fluorescent lamps should be included

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

Permittee Name: Contra Costa County Flood Control and Water Conservation District

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

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

Summary

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

Permittee Name: Contra Costa County Flood Control and Water Conservation District

Section 12 - Provision C.12 PCBs Controls

C.12.a.ii,iii ▶ Ongoing Training

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

Description:

See the FY 13-14 CCCWP Annual Report for a description of training provided countywide and/or regionally.

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

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

Summary

A summary of CCCWP and regional accomplishments for these sub-provisions are included within the C.12 PCB Controls section of Program's FY 13-14 Annual Report, Integrated Monitoring Report.

Section 13 - Provision C.13 Copper Controls

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

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

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

The Flood Control District would not utilize architectural copper in any of its projects. In the unlikely event that a project that utilized architectural copper were to be proposed within the Flood Control District's right-of-way, the Flood Control District would disallow the use of architectural copper unless appropriate BMPs were implemented to prevent the discharge of pollutants related to the installation and maintenance of the copper.

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

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

Summary

The Flood Control District hosts no land uses that require inspections pursuant to Provision C.4, so no such inspections were conducted by the Flood Control District.

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

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

Permittee Name: Contra Costa County Flood Control and Water Conservation District

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

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

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

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

<p>Provide implementation summaries of the required BMPs to promote measures that minimize runoff and pollutant loading from excess irrigation. Generally the categories are:</p> <ul style="list-style-type: none"> • Promote conservation programs • Promote outreach for less toxic pest control and landscape management • Promote use of drought tolerant and native vegetation • Promote outreach messages to encourage appropriate watering/irrigation practices • Implement Illicit Discharge Enforcement Response Plan for ongoing, large volume landscape irrigation runoff.
<p>Summary:</p> <p>Through its participation in the Contra Costa Clean Water Program, the Flood Control District promotes outreach messages required by Provision C.15.b.vi(2); relevant programs supported by the Contra Costa Clean Water Program include the Bay Friendly Landscaping and Gardening Training and Certification Program, which trains and certifies landscapers in a variety of measures designed to reduce waste and prevent stormwater pollution; the Green Business Program, which promotes businesses using drought tolerant plantings, mulching, using responsible irrigation schedules practices, and implementing Integrated Pest Management; the and the Our Water Our World Program, which encourages consumers to purchase less toxic alternatives to combating lawn and garden pests.</p> <p>If large scale irrigation were detected by Flood Control District staff, the matter would be referred to the jurisdiction from which the discharge was originating.</p>

C.15.b.iii.(1) ► Planned Discharges of the Potable Water System										
Site/ Location	Discharge Type	Receiving Waterbody(ies)	Date of Discharge	Duration of Discharge (military time)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity ⁶³ (NTU)	Implemented BMPs & Corrective Actions
NA										

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

C.15.b.iii.(2) ► Unplanned Discharges of the Potable Water System⁶⁴

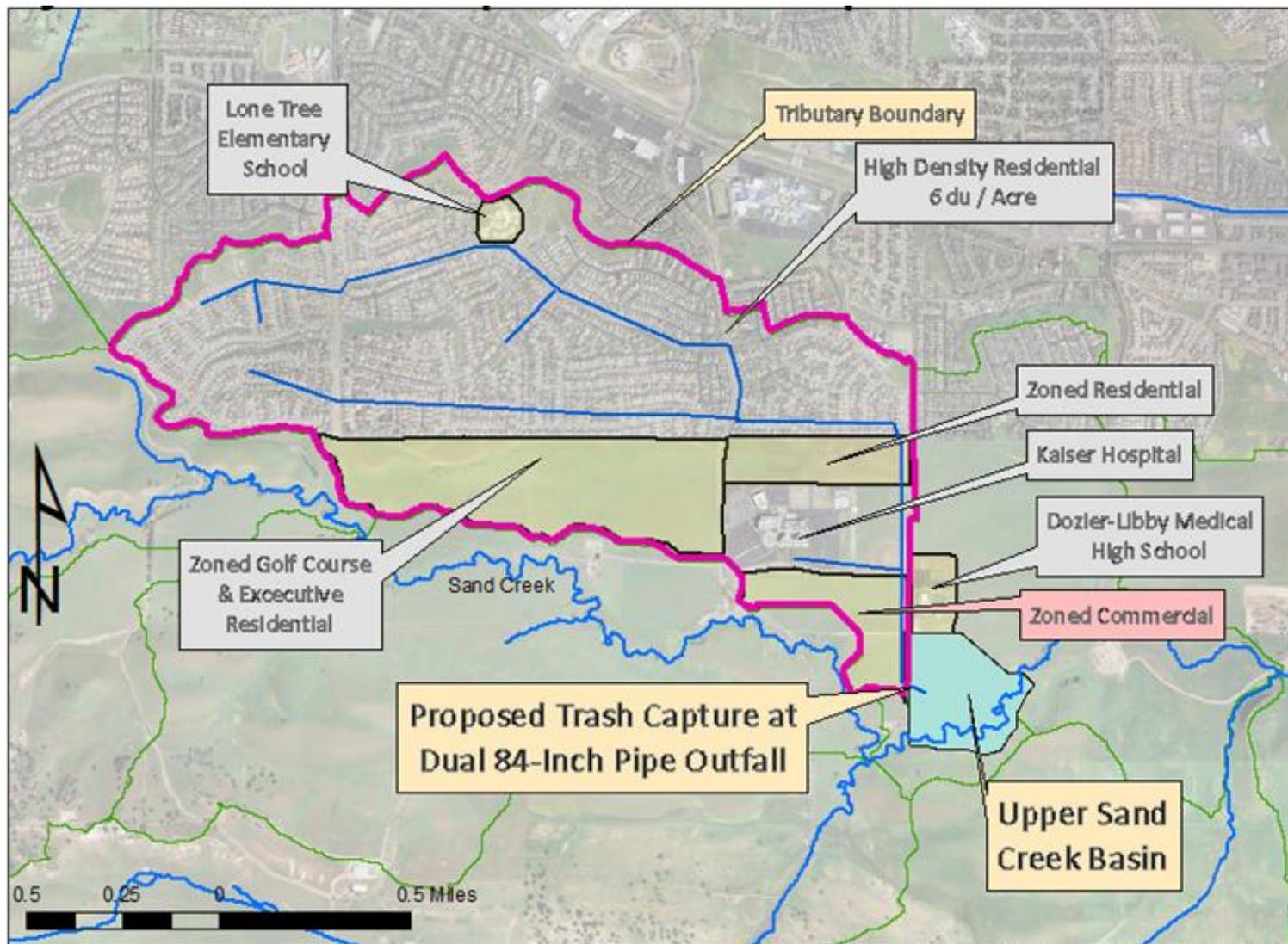
Site/ Location	Discharge Type	Receiving Waterbody(ies)	Date of Discharge	Discharge Duration (military time)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L) ⁶⁵	pH (standard units) ⁵²	Discharge Turbidity (Visual) ⁵²	Implemented BMPs & Corrective Actions	Time of discharge discovery	Regulatory Agency Notification Time ⁶⁶	Inspector arrival time	Responding crew arrival time
NA														

⁶⁴ This table contains all of the unplanned discharges that occurred in this FY.

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

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

Drainage Area for Upper Sand Creek Detention Basin full trash capture device





EDMUND G. BROWN JR.
GOVERNOR



MATTHEW RODRIGUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

San Francisco Bay Regional Water Quality Control Board

June 7, 2012, 2012
CWIQS: 218317

R. Mitch Avalon
Contra Costa County Flood Control
255 Glacier Drive
Martinez, CA 94553-4825

Subject: Approval of Proposed Regional Full Trash Capture Device

Dear Mr. Avalon:

We approve your proposed alternate compliance with the Municipal Regional Stormwater NPDES Permit (Order R2-09-0074) full trash capture requirement for Contra Costa County Flood Control and Water Conservation District. The proposed regional Full Trash Capture Device (FTCD) installation at the Upper Sand Creek Basin, which would capture trash from the one year, one hour storm runoff from an 870 acre watershed of primarily residential land use in the Antioch area, will capture an equivalent or likely greater amount of trash than what would be captured by the two trash booms or four outfall FTCDs at minimum 2-foot diameter outfalls required by the Permit. Though this watershed is in the jurisdiction of the Central Valley Regional Water Quality Control Board, the trash from this watershed would immediately enter San Francisco Region via delta outflow if it was not captured as proposed.

Please proceed with this installation. If you have any questions related to this manner, please contact Dale Bowyer at 510-622-2323 or dbowyer@waterboards.ca.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "T. Mumley".

Thomas E. Mumley
Assistant Executive Officer

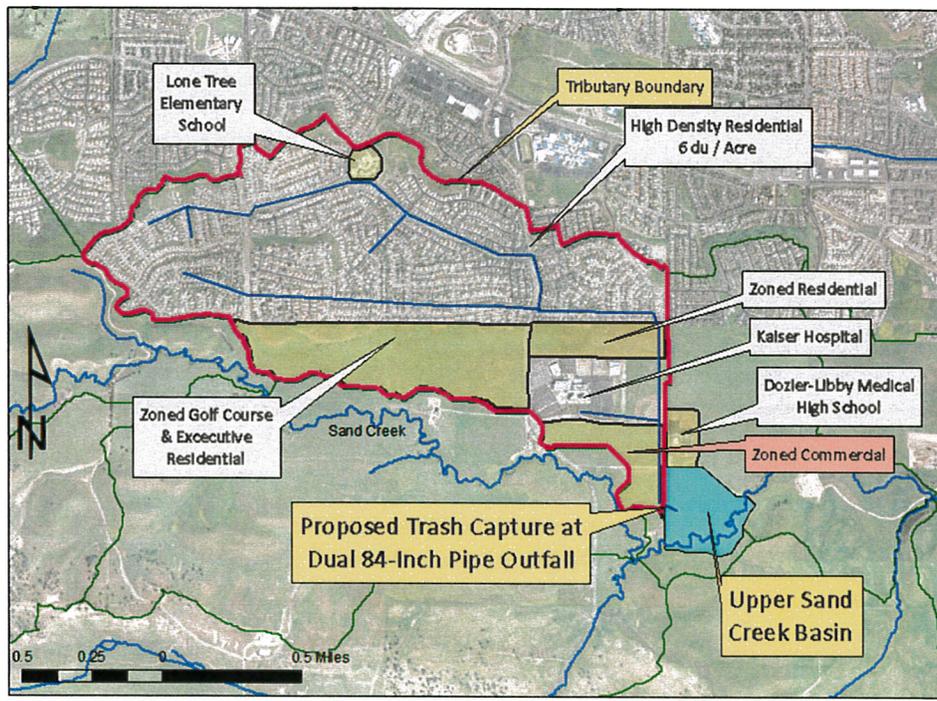


Contra Costa County Flood Control & Water Conservation District

Upper Sand Creek Basin Trash Capture Fact Sheet

March, 2012

- Proposed Location is immediately downstream of the Dual 84-inch Outfall into Upper Sand Creek Basin.
- Tributary Watershed Size is **870 Acres** (1.36 Square Miles) fully within City of Antioch. Basin proposed to be a Dual-Purpose Facility.
- Includes **5-mm** (0.197-inch) Mesh Screen. Contains the peak flow rate from the one-year, one-hour storm. [NPDES Permit Section C.10a.iii(paragraph 2)]
- The Water Board requirement for non-population-based entities is to construct minimum 2-foot diameter outfall capture devices. The San Francisco Water Board (Region 2) requires the CCC FCD to construct **four** outfall capture devices [Attachment J, Table 10-2], and the Central Valley Water Board (Region 5) requires **one** outfall capture device [Attachment F, Table 10-2] for a total of five capture devices in the CCC FCD.¹
- Dual 84-inch outfall flow capacity is equivalent to the flow capacity of twenty-four 2-foot diameter outfalls. This project is **five times** the minimum requirement for Region 2 and Region 5 combined.
- Ultimate Basin Construction Scheduled for 2013. 95% plan comments were returned to Design in March, 2012. Ultimate Upper Sand Creek Basin: 900 Acre-ft capacity In-Line Basin
- Trash retained by the proposed FTCD in UCSB would be prevented from being discharged to the Delta. The removed trash could potentially deposit along shorelines in Region 2 (Carquinez Strait, San Pablo Bay, San Francisco Bay, etc.).



¹ The total quantity of outfall capture devices is an unresolved issue. The SF Water Board considered the entirety of CCC (Region 2 and Region 5 combined) when calculating the Full Trash Capture (FTCD) requirements for unincorporated CCC. It is inferred that the same should have been done for the FCD when considering the Region 2 and Region 5 requirements.