



Contra Costa County
Flood Control
& Water Conservation District

Brian M. Balbas,
ex officio Chief Engineer
Allison Knapp,
Deputy Chief Engineer

September 30, 2022

Eileen White, Executive Officer
California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, CA 94612

Patrick Pulupa, Executive Officer
California Regional Water Quality Control Board
Central Valley Region
11020 Sun Center Drive, #200
Rancho Cordova, CA 95670

RE: District 2021-22 MRP Stormwater Annual Report
Project No.: WO7201

Dear Ms. White and Mr. Pulupa:

Enclosed is the Fiscal Year 2021-22 Annual Report for the Contra Costa County Flood Control and Water Conservation District (District), 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.

During FY 2021-22, the Coronavirus pandemic has presented municipalities with various challenges. The State and County issued Health Orders that changed the way business has been done and made it challenging to implement some aspects of the San Francisco Bay Municipal Regional Stormwater Permit (MRP 2.0). For the District, the provisions most affected were C.7 Public Outreach and the hot spots cleanup performed for C.10 Trash Load Reduction. The outreach events were completed partially online, and in some situations, outside in small groups. At times, there has also been limited staff available, which has affected the timeline for projects and tasks. Additional details are provided in the District and the Contra Costa Clean Water Program's Annual Reports.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly 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.

Should you have any questions, please contact me at (925) 313-2390.

Sincerely,



Tim Jensen
Assistant Chief Engineer
Contra Costa County Flood Control
& Water Conservation District

TJ:MM:MH:cw
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Enclosure: 2021-22 MRP Stormwater Annual Report

c: Brian M. Balbas, Chief Engineer
Allison Knapp, Deputy Chief Engineer
Michele Mancuso, Sr. Watershed Management Planning Specialist

FY 2021-2022 Annual Report

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

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

Section 1 – Permittee Information

Background Information			
Permittee Name:	Contra Costa County Flood Control & Water Conservation District		
Population:	N/A		
NPDES Permit No.:	CAS612008		
Order Number:	R2-2015-0049		
Reporting Time Period (month/year):	July 2021 through June 2022		
Name of the Responsible Authority:	Brian M. Balbas	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:	Brian.Balbas@pw.cccounty.us		
Name of the Designated Stormwater Management Program Contact (if different from above):	Michele Mancuso	Title:	Senior Watershed Management Planning Specialist
Department:	Public Works		
Mailing Address:	255 Glacier Drive.		
City:	Martinez	Zip Code:	94553
		County:	Contra Costa
Telephone Number:	925-313-2236	Fax Number:	925-313-2333
E-mail Address:	Michele.Mancuso@pw.cccounty.us		

Section 2 - Provision C.2 Reporting Municipal Operations

Program Highlights and Evaluation

Highlight/summarize activities for reporting year:

Summary:

The Contra Costa County Flood Control and Water Conservation District (CCCFCD) is staffed by the Contra Costa County Public Works Department (PWD). County Watershed Program staff worked collaboratively with PWD maintenance crews assigned to maintain Flood Control facilities throughout FY 21-22 to ensure implementation of stormwater protection measures during municipal maintenance activities within flood control facilities. On October 5, 2021, County Watershed Program staff conducted a training for all PWD Maintenance Division management and crews on stormwater pollution prevention, best management practices for municipal operations and maintenance activities, and spill prevention and clean-up.

The CCCFCD 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 maintenance, repair, and replacement of structures. The Flood Control District also completed a Stream Management Program to provide programmatic permit coverage for some routine maintenance activities affecting waterways.

In general, CCCFCD may implement the following activities that could impact water quality: drainage maintenance, ditch/basin cleaning, silt removal, concrete channel cleaning, flushing culverts, and graffiti removal. The RMA requires specific environmental management activities to minimize water quality impacts, including limits on heavy equipment usage, measures to protect fish and wildlife resources, measures to minimize erosion and sedimentation, and BMPs to minimize disruptions to habitats.

The structural maintenance activities are conducted in-house by County maintenance crews whose standard operational procedures require collection and proper disposal of all wastes, including spoils, in accordance with the Caltrans Stormwater Quality Handbook - Maintenance Staff Guide, May 2018 and the RMA. The PWD Design/Construction Division is responsible for putting together plans and contract specifications for more specialized activities such as major repairs to flood protection facilities and construction of new flood protection facilities. These projects are then bid out for construction by contractors. Contra Costa County's (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.

Individual permits are obtained from the Regional Board, US Army Corps of Engineers, and other federal and state agencies, as appropriate, for maintenance or major work in waterways.

The COVID-19 pandemic continues to put a strain on work procedures and personnel. Public Works staff has been out at various times during the year because they had COVID and/or needed to quarantine because of exposure to COVID. Public Works staff has done their best to complete work as normal but there have been delays and changes in procedures to accommodate staffing shortages due to COVID.

Refer to the C.2 Municipal Operations section of the Contra Costa Clean Water Program's (CCCWP) FY 2021-22 Annual Report for a description of activities implemented at the countywide and/or regional level.

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

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

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

Comments:
 CCCFCD does not implement these activities.

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:
 CCCFCD does not implement these activities.

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.

NA	Control of discharges from bridge and structural maintenance activities directly over water or into storm drains
NA	Control of discharges from graffiti removal activities
NA	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
NA	Employee training on proper capture and disposal methods for wastes generated from bridge and structural maintenance and graffiti removal activities.
NA	Contract specifications requiring proper capture and disposal methods for wastes generated from bridge and structural maintenance and graffiti removal activities.
Comments: CCCFCD does not implement these activities.	

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

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

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

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

C.2.f. ► Corporation Yard BMP Implementation				
Place an X in the boxes below that apply to your corporations yard(s):				
<input type="checkbox"/>	We do not have a corporation yard			
<input type="checkbox"/>	Our corporation yard is a filed NOI facility and regulated by the California State Industrial Stormwater NPDES General Permit			
<input checked="" type="checkbox"/>	We have a Stormwater Pollution Prevention Plan (SWPPP) for the Corporation Yard(s)			
Place an X in the boxes below next to implemented SWPPP BMPs to indicate that these BMPs were implemented in applicable instances. If not applicable, type NA in the box. If one or more of the BMPs were not adequately implemented during the reporting fiscal year then indicate so and explain in the comments section below:				
<input checked="" type="checkbox"/>	Control of pollutant discharges to storm drains such as wash waters from cleaning vehicles and equipment			
<input checked="" type="checkbox"/>	Routine inspection prior to the rainy seasons of corporation yard(s) to ensure non-stormwater discharges have not entered the storm drain system			
<input checked="" type="checkbox"/>	Containment of all vehicle and equipment wash areas through plumbing to sanitary or another collection method			
<input checked="" type="checkbox"/>	Use of dry cleanup methods when cleaning debris and spills from corporation yard(s) or collection of all wash water and disposing of wash water to sanitary or other location where it does not impact surface or groundwater when wet cleanup methods are used			
<input checked="" type="checkbox"/>	Cover and/or berm outdoor storage areas containing waste pollutants			
Comments: CCCFCFD uses the County corporation yard. Flood Control District Maintenance is performed by crews who utilize the County corporation yards. See more information in the County FY 21-22 Annual Report.				
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 ²	Inspection Findings/Results	Date and Description of Follow-up and/or Corrective Actions
Information is provided in the Contra Costa County Annual Report	NA	NA	NA	NA

² Minimum inspection frequency is once a year during September.

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

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

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

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

Is your agency choosing to require 100% LID treatment onsite for all Regulated Projects and not allow alternative compliance under Provision C.3.e.?	<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 2021-22, 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
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2. In FY 2021-22, has your agency granted final discretionary approval to a Special Project? If yes, include the project in both the C.3.b.iv.(2) Table, and the C.3.e.v. Table.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
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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.

NA, the FCD does not have land use authority. These facilities will be reported by the County or Cities.

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

Site Inspections Data	Number/Percentage
Total number of Regulated Projects (including offsite projects, and Regional Projects) in your agency's database or tabular format at the end of the previous fiscal year (FY 20-21)	NA
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 21-22)	NA
Total number of Regulated Projects (including offsite projects, and Regional Projects) for which O&M verification inspections were conducted during the reporting period (FY 21-22)	NA
Percentage of the total number of Regulated Projects (including offsite projects, and Regional Projects) inspected during the reporting period (FY 21-22)	NA

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.
<p>Summary: NA. The Contra Costa County FCD has no stormwater treatment facilities to maintain.</p>
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: NA. The Contra Costa County FCD has no stormwater treatment facilities to maintain.</p>

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:

NA. The Contra Costa County Flood Control District has no land use authority over development; therefore, there are no ordinance revisions, permit condition review, or development specifications to review.

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:

NA. Please refer to Contra Costa County's FY 2021-22 Annual Report.

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

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

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

Background Information:

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

NA. Please refer to Contra Costa County's FY 2021-22 Annual Report.

Summary of Planning or Implementation Status of Identified Projects:

NA. Please refer to Contra Costa County's FY 2021-22 Annual Report.

C.3.j.iii.(2) and (3) ▶ Participate in Processes to Promote Green Infrastructure

On an annual basis, report on the goals and outcomes during the reporting year of work undertaken to participate in processes to promote green infrastructure.

NA. Please refer to Contra Costa County's FY 2021-22 Annual Report.

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

On an annual basis, report progress on development and implementation of methods to track and report implementation of green infrastructure measures and provide reasonable assurance that waste load allocations for TMDLs are being met.

NA. Please refer to Contra Costa County's FY 2021-22 Annual Report.

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 ³ , Street Address	Name of Developer	Project Phase No. ⁴	Project Type & Description ⁵	Project Watershed ⁶	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft ²) ⁷	Total Replaced Impervious Surface Area (ft ²) ⁸	Total Pre- Project Impervious Surface Area ⁹ (ft ²)	Total Post- Project Impervious Surface Area ¹⁰ (ft ²)
Private Projects											
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Public Projects											
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Comments: NA. Please refer to Contra Costa County's FY 2021-22 Annual Report.											

³Include cross streets

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

⁵Project 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.

⁶State the watershed(s) in which the Regulated Project is located. Downstream watershed(s) may be included, but this is optional.

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

⁸All impervious surfaces added to any area of the site that was previously existing impervious surface.

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

¹⁰For redevelopment projects, state the post-project impervious surface area.

Permittee Name: Contra Costa County Flood Control & Conservation District

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 ¹¹	Application Final Approval Date ¹²	Source Control Measures ¹³	Site Design Measures ¹⁴	Treatment Systems Approved ¹⁵	Type of Operation & Maintenance Responsibility Mechanism ¹⁶	Hydraulic Sizing Criteria ¹⁷	Alternative Compliance Measures ^{18/19}	Alternative Certification ²⁰	HM Controls ^{21/22}
Private Projects										
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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

¹²For private projects, state project application final discretionary approval date. If the project did not go through discretionary review, report the building permit issuance date.

¹³List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.

¹⁴List 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.

¹⁵List 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.).

¹⁶List 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.

¹⁷See 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).

¹⁸For 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.iv.(2)(m)(i) for the offsite project.

¹⁹For 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.iv.(2)(m)(ii) for the Regional Project.

²⁰Note whether a third party was used to certify the project design complies with Provision C.3.d.

²¹If HM control is not required, state why not.

²²If 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).

Permittee Name: Contra Costa County Flood Control & Conservation District

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

Project Name	Approval Date ²³	Date Construction Scheduled to Begin	Source Control Measures ²⁴	Site Design Measures ²⁵	Treatment Systems Approved ²⁶	Operation & Maintenance Responsibility Mechanism ²⁷	Hydraulic Sizing Criteria ²⁸	Alternative Compliance Measures ^{29/30}	Alternative Certification ³¹	HM Controls ^{32/33}
Public Projects										
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Comments: None										

²³For public projects, enter the plans and specifications approval date.

²⁴List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.

²⁵List 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.

²⁶List 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.).

²⁷List 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.

²⁸See 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).

²⁹For 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.iv.(2)(m)(i) for the offsite project.

³⁰For 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.iv.(2)(m)(ii) for the Regional Project.

³¹Note whether a third party was used to certify the project design complies with Provision C.3.d.

³²If HM control is not required, state why not.

³³If 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).

Permittee Name: Contra Costa County Flood Control & Conservation District

C.3.h.v.(2). ► Table of Newly Installed³⁴ 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 ³⁵ For Maintenance	Type of Treatment/HM Control(s)
NA	NA	NA	NA

³⁴ "Newly Installed" includes those facilities for which the final installation inspection was performed during this reporting year.

³⁵State the responsible operator for installed stormwater treatment systems and HM controls.

C.3.e.v.Special Projects Reporting Table												
Reporting Period – July 1 2021 - June 30, 2022												
Project Name & No.	Permittee	Address	Application Submittal Date ³⁶	Status ³⁷	Description ³⁸	Site Total Acreage	Gross Density DU/Acre	Density FAR	Special Project Category ³⁹	LID Treatment Reduction Credit Available ⁴⁰	List of LID Stormwater Treatment Systems ⁴¹	List of Non-LID Stormwater Treatment Systems ⁴²
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

³⁶Date that a planning application for the Special Project was submitted.

³⁷ 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.

³⁸Type of project (commercial, mixed-use, residential), number of floors, number of units, type of parking, and other relevant information.

³⁹ For each applicable Special Project Category, list the specific criteria applied to determine applicability. For each non-applicable Special Project Category, indicate n/a.

⁴⁰For 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.

⁴¹: 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.

⁴²List 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

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

Project Name and Location ⁴³	Project Description	Status ⁴⁴	GI Included? ⁴⁵	Description of GI Measures Considered and/or Proposed or Why GI is Impracticable to Implement ⁴⁶
NA	NA	NA	NA	NA

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

Project Name and Location ⁴⁷	Project Description	Planning or Implementation Status	Green Infrastructure Measures Included
NA	NA	NA	NA

⁴³ List each public project that is going through your agency’s process for identifying projects with green infrastructure potential.

⁴⁴ Indicate status of project, such as: beginning design, under design (or X% design), projected completion date, completed final design date, etc.

⁴⁵ 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.

⁴⁶ 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.

⁴⁷ 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.

Permittee Name: Contra Costa Flood Control & Water Conservation District

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

Program Highlights and Evaluation

Highlight/summarize activities for reporting year:

Summary:

The CCCFCD does not have land use authority and does not conduct stormwater inspections for businesses. See Contra Costa County's FY 2021-22 Annual Report.

C.4.b.iii ► Potential Facilities List (i.e., List of All Facilities Requiring Stormwater Inspections)

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

NA

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.

NA	Permittee reports multiple discrete potential and actual discharges at a site as one enforcement action.
NA	Permittee reports the total number of discrete potential and actual discharges on each site.

	Number
Total number of inspections conducted (C.4.d.iii.(2)(a))	NA
Violations, enforcement actions, or discrete 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))	NA
Comments: NA	

Permittee Name: Contra Costa Flood Control & Water Conservation District

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) ⁴⁸	Number of Enforcement Actions Taken
Level 1	NA	NA
Level 2	NA	NA
Level 3	NA	NA
Level 4	NA	NA
Total	NA	NA

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 ⁴⁹	Number of Actual Discharges	Number of Potential Discharges
NA	NA	NA

C.4.d.iii.(2)(e) ► 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

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

⁴⁹List your Program's standard business categories.

Permittee Name: Contra Costa Flood Control & Water Conservation District

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
NA	NA	NA	NA	NA	NA	NA
Comments: NA						

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, Hazardous Materials staff, neighboring city staff or are forwarded to the County by state or federal agencies. When discharges are identified, staff make the appropriate contacts for the situation. For example, if hazardous materials are identified or the substance is unknown, Hazardous Materials staff are contacted.

The Contra Costa County Flood Control and Water Conservation District responded to, referred, documented and followed up on seven illicit discharge complaints. All seven of these incidents reached the storm drains or waterways. Five of the seven complaints were resolved within a timely manner.

Many of the illicit discharge complaints in FY 21-22 were related to homeless encampments within District right-of-ways. Homeless encampment clean-ups require a coordinated effort between many different County departments, such as Environmental Health, Public Works, Coordinated Outreach Referral Engagement (CORE) program, and Sheriff's office. Other neighboring cities and property owners may also be involved. Due to the significant coordination required, most of the illicit discharge complaints associated with homeless encampments could not be addressed within 10 days.

Contra Costa County participates in the Clean Water Program's Municipal Operations Committee. County staff works 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 works 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, impose fines, cost recovery, and other measures.

Refer to the C.5 Illicit Discharge Detection and Elimination section of the CCCWP's FY 21-22 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 21-22:

No change has been made.

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

Spill and Discharge Complaint Tracking (fill out the following table or include an attachment of the following information)	
	Number
Discharges reported (C.5.d.iii.(1))	7
Discharges reaching storm drains and/or receiving waters (C.5.d.iii.(2))	7
Discharges resolved in a timely manner (C.5.d.iii.(3))	5
<p>Comments: Inspectors respond to complaints, some of which are unsubstantiated in the field or are prevented from reaching storm drains/receiving waters 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 an appropriate and timely manner.</p>	

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)
NA	NA	NA	NA
Comments: NA			
Provide the number of inspections that are conducted at sites not within the above categories as part of your agency's inspection program and a general description of those sites, if available or applicable. NA			

C.6.e.iii.(3)(e) ▶ Construction Related Storm Water Enforcement Actions		
	Enforcement Action (as listed in ERP) ⁵⁰	Number Enforcement Actions Issued
Level 1 ⁵¹	NA	NA
Level 2	NA	NA
Level 3	NA	NA
Level 4	NA	NA
Total	NA	NA

⁵⁰Agencies should list the specific enforcement actions as defined in their ERPs.

⁵¹For example, Enforcement Level 1 may be Verbal Warning.

Permittee Name: Contra Costa County Flood Control & Conservation District

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)	NA

C.6.e.iii.(3)(g) ► Corrective Actions	
Indicate your reporting methodology below.	
0	Permittee reports multiple discrete potential and actual discharges at a site as one enforcement action.
0	Permittee reports the total number of discrete potential and actual discharges on each site.
	Number
Enforcement actions or discrete potential and actual discharges fully corrected within 10 business days after violations are discovered or otherwise considered corrected in a timely period (C.6.e.iii. .3.g)	NA
Comments: NA NA	

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: NA

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: NA

C.6.f.iii ▶ Staff Training Summary

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

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

C.7.b.i.1 ► Outreach Campaign

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

Summary:

The Contra Costa County Flood Control and Water Conservation District (CCCFCD) conducted its public information and outreach through ongoing contracts with nonprofit organizations, The Watershed Project (TWP) and the Contra Costa Resource Conservation District (CCRCD) for FY 21– 22, as it has done in recent fiscal years. Please refer to the remainder of Section 7, i.e., Tables C.7.d, through C.7.f, for details regarding its public outreach campaign for this fiscal year.

In addition, refer to Section 7 in the Contra Cost Clean Water Program's (CCCWP) FY 21-22 Annual Report for a summary of activities related to the planning, development, and summary of Outreach Campaigns.

In FY 21-22, as in the previous fiscal year, the CCCFCD had public outreach, citizen events, and school-aged children outreach constraints due to the COVID-19 State and County Health Orders. Many outreach events could not be held in-person, or were held with a limited number of participants, because of the Health Orders. Virtual events and online education materials were utilized to provide outreach to students and community members when in-person events were not feasible.

C.7.c. Stormwater Pollution Prevention Education

No change in points of contact. The Contra Costa County Flood Control and Conservation District webpage is located at:
<https://www.contracosta.ca.gov/5586/Flood-Control-District>.

C.7.d ► Public Outreach and Citizen Involvement Events		
Describe general approach to event selection. Provide a list of outreach materials and giveaways distributed. Use the following table for reporting and evaluating public outreach events		
Event Details	Description (messages, audience)	Evaluation of Effectiveness
Provide event name, date, and location. Indicate if event is local, countywide or regional. Indicate if event is public outreach or citizen involvement.	Identify type of event (e.g., school fair, creek clean-up, storm drain stenciling, farmers market etc.), type of audience (school children, gardeners, homeowners etc.) and outreach messages (e.g., Enviroscene 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"> • Success at reaching a broad spectrum of the community • Number of participants compared to previous years. • Post-event effectiveness assessment/evaluation results • Quantity/volume of materials cleaned up, and comparisons to previous efforts
Month long Coastal Cleanups, September 1-September 30, Pinole Creek Watershed, and local; citizen involvement	Trash pickup and data collection	The TWP conducted during the hybrid event, self-guided cleanups involved 266 people who collected 2494 pounds of trash and debris. In addition, 15 site captains organized cleanups across the county, involving 577 volunteers who picked up 9000 pounds and 14,000 gallons of trash.
2021 Coastal Cleanup Day in Pinole Creek Watershed, September 18th, 2021, local.	Trash cleanup, community outreach, and education.	The CCRCD and the Friends of Pinole Creek Watershed organized two teams. One team staffed an outreach table at the City of Pinole's Shoreline Cleanup; another team of 6 volunteers collected more than 500 pieces of small trash items at Pinole Valley Park.
Friends of Pinole Creek Watershed (FoPCW) 20th Anniversary Volunteer Appreciation Picnic, August 21 st , 2021, local.	Outreach and community involvement.	FoPCW celebrated its 20th anniversary with an outdoor picnic and volunteer acknowledgement presentation. The event was attended by about 20 volunteers and 3 Pinole City Council members.

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C.7 – Public Information and Outreach

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

<p>Alhambra Native Plant Trail Volunteer Workday, September 20th, 2021, local.</p>	<p>Native garden maintenance, outreach, education, and community involvement.</p>	<p>1 CCRCDD staff member worked with 5 volunteers from Friends of Alhambra Creek to maintain native gardens throughout Martinez. This workday was successful and had similar attendance as past Alhambra Native Plant Trail Workdays.</p>
<p>Presentation at the Kiwanis Club of Martinez, February 17th, 2022, local.</p>	<p>Outreach and education.</p>	<p>Approximately 40 attendees. CCRCDD staff members presented to the Kiwanis Club to inform them of the EcoSteward Program, restoration, weed maintenance, and other resource conservation topics.</p>
<p>5 Marsh Creek Watershed Council Meetings (12/10/2021, 3/4/2022, 4/28/2022, 5/31/2022, and 6/28/2022), mix of virtual, in-person, and hybrid meetings, local.</p>	<p>Education, outreach, and coordination of local community groups.</p>	<p>6-10 attendees per meeting. This is a brand-new watershed council so none of the meetings have comps from previous years.</p>
<p>3 Walnut Creek Watershed Council Watershed Plan Steering Committee Meetings (4/14/2022, 5/4/2022, 6/2/2022), local.</p>	<p>Coordination of local community groups.</p>	<p>7-10 attendees per meeting. 2 CCRCDD staff members helped lead 3 meetings of a Walnut Creek Watershed Council sub-group, the Watershed Plan Steering Committee. This group is trying to develop a Walnut-Creek-wide Watershed Plan. New events, so no comparison data.</p>
<p>Virtual Meeting of Walnut Creek Watershed Council Members and Assemblymember Rebecca Bauer-Kahan, May 11th, 2022, regional.</p>	<p>Support for local watershed groups and outreach to elected officials. Assemblymember Rebecca Bauer-Kahan and 2 of her staff members.</p>	<p>1 staff member from the CCRCDD and several members of the Walnut Creek Watershed Council met with Assemblymember Rebecca Bauer-Kahan and staff to give a presentation on the Walnut Creek Watershed, both ongoing projects and opportunities for the future. The presentation was followed by some discussion, including discussion on the topics of water quality and the status of fish in Walnut Creek. New event, no comparison data.</p>
<p>Ebb & Flow newsletter distributed monthly, July 2021-June 2022, countywide, public outreach</p>	<p>Articles highlighting, pollution prevention tips, tap water quality testing efforts, planning for sea level rise and community resilience projects, and exploring local watersheds.</p>	<p>Approximately 5000 subscribers, increase from previous year. Online newsletter: https://thewatershedproject.org/category/blog/</p>

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C.7 – Public Information and Outreach

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<p>Friends of Pinole Creek Watershed (FoPCW) Fall 2021 Newsletter, local.</p>	<p>Outreach and education.</p>	<p>FoPCW celebrated its 20th anniversary with an outdoor picnic and volunteer acknowledgement presentation. The event was attended by about 20 volunteers and 3 Pinole City Council members.</p>
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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:

Contra Costa County Flood Control District (CCCFCFD) takes a leadership role in watershed stewardship. CCCFCFD financially sponsors the Watershed Forum, which has bi-monthly (every other month) meetings throughout the County. County staff are members of the Watershed Forum Executive Committee and attend bi-monthly executive meetings to determine the meeting theme, agenda, and speakers. The Forum promotes awareness of stormwater issues, green infrastructure projects, and other Clean Water Program topics.

CCCFCFD funds Streamside Management Program for Landowners (SMPL) which educates citizens and groups on Best Management Practices (BMPs) for creek erosion, i.e., stormwater polluting prevention and bioengineering vs. hardened surfaces.

Additional collaborative efforts and their effectiveness include:

- Participation and financial support for the Walnut Creek Watershed Council who meets bi-monthly. These meetings are attended by city officials, agency members, and creek groups. Discussions include stormwater pollution prevention, degraded habitats, development impacts, and future plans for restoration in the watershed.
- Support and participation with Arundo Removal and replacement Team including support of the team meetings.
- Support and funding for three creek group meetings per month including the Peyton Slough Watershed Advisory Committee, Alhambra Watershed Council, and the Friends of Alhambra Creek Watershed meetings.
 - Assist with education, outreach, and coordination of these groups. Specific tasks include assisting with agendas, speakers, project lists, goal statements, and event coordination, including permitting and insurance. These groups are all growing in numbers and have seen an influx of new, younger members.
- Friends of Pinole Creek Watershed Group, holds bi-monthly meetings and assisted in maintaining a native plant/pollinator garden at the Pinole Library
- Friends of Pinole Creek Watershed Thriving Earth Exchange (TEX), which had several partners including: Earth Team, CCRCD and the City of Pinole and coordinated to investigate the impact of trash in the watershed.
- Support for the Wildcat-San Pablo Creek Watershed Council meetings, website, and activities.

In addition, refer to the CCCWP's FY 21-22 Annual Report, Section C.7 "Public Information and Outreach" for a summary of watershed stewardship collaborative efforts.

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
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.
Sienna Ranch Monarch/Pollinator Hedgerow Planting, November 10th, 2021, local.	Presented CCRCD work and environmental career pathways to Sienna Ranch students. Taught the importance of native plants to the local ecosystems, and the need for pollinators within the local environment.	2 CCRCD staff members, 1 Sienna Ranch staff person, and 10 Sienna Ranch students (homeschool students)	Students were presented with an educational program on pollinators and native plantings. 85 monarch hedgerow plants were planted.
CCRCD and NPS Cub Scout Service Event at John Muir National Historic Site in Martinez, February 27th, 2022, local. Elementary school-aged children (primarily 1st and 2nd grade).	1 CCRCD staff member led a group of volunteers from Cub Scout Pack 210 to weed the peach orchard at the John Muir National Historic Site. Volunteers were taught the importance of weeding and mulch, how to weed trees correctly, and why it is important to steward our natural lands.	22 cub scouts and their parents (for a total of 41 volunteers)	Scouts put their new knowledge into action and felt accomplished when the event was over. Multiple volunteers said they had never been to the National Historic Site and planned to return to enjoy the park. NPS was very pleased with the scouts' work.

Section 9 – Provision C.9 Pesticides Toxicity Controls

C.9.a. ► Implement IPM Policy or Ordinance							
Is your municipality implementing its IPM Policy/Ordinance and Standard Operating Procedures?				X	Yes		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.							
Trends in Quantities and Types of Pesticide Active Ingredients Used⁵²							
Pesticide Category and Specific Pesticide Active Ingredient Used	Amount⁵³						
	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21	FY 21-22	
Organophosphates	None	None	None	None	None	None	
Active Ingredient Chlorpyrifos	None	None	None	None	None	None	
Active Ingredient Diazinon	None	None	None	None	None	None	
Active Ingredient Malathion	None	None	None	None	None	None	
Pyrethroids (see footnote #54 for list of active ingredients)	None	None	None	None	None	None	
Active Ingredient Type X	None	None	None	None	None	None	
Active Ingredient Type Y	None	None	None	None	None	None	
Carbamates	None	None	None	None	None	None	
Active Ingredient Carbaryl	None	None	None	None	None	None	
Active Ingredient Aldicarb	None	None	None	None	None	None	
Fipronil	None	None	None	None	None	None	
Pesticide Category and Specific Pesticide Active Ingredient Used	Amount						

⁵²Includes all municipal structural and landscape pesticide usage by employees and contractors.

⁵³Weight 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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	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21	FY 21-22
Indoxacarb	None	None	None	None	None	None
Diuron	None	None	None	None	None	None
Diamides	None	None	None	None	None	None
Active Ingredient Chlorantraniliprole	None	None	None	None	None	None
Active Ingredient Cyantraniliprole	None	None	None	None	None	None
Reasons for increases in use of pesticides that threaten water quality:						
IPM Tactics and Strategies Used:						
<p>In November, our IPM Advisory Committee completed the development of a pesticide risk assessment tool that graphically depicts whether or not heightened levels of risk are associated with certain pesticide products. County applicators are encouraged to consider the tool when determining whether a certain product is compatible with the broader IPM program after physical, cultural, and biological tactics have not achieved desired outcomes.</p>						

C.9.b ► Train Municipal Employees

Enter the number of employees that applied or used pesticides (including herbicides) within the scope of their duties this reporting year.	4
Enter the number of these employees who received training on your IPM policy and IPM standard operating procedures within this reporting year.	4
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>All four applicators in the division were trained on the County IPM Policy and also attended a session sponsored by Pacific Sierra Seminars in September. That seminar covered safety procedures, label information, emergency procedures, and location of program records.</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 type="checkbox"/>	Yes	<input checked="" type="checkbox"/> No
If yes, did your municipality evaluate the contractor's list of pesticides and amounts of active ingredients used?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/> No,
If your municipality contracted with any pesticide service provider, briefly describe how contractor compliance with IPM Policy/Ordinance and SOPs was monitored N/A			
If your agency did not evaluate the contractor's list of pesticides and amounts of active ingredients used, provide an explanation. N/A			

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. The County Agricultural Commissioner has a designated seat on the IPM Advisory Committee, and they support the University of California Cooperative Extension (UCCE) in the County. The Department as well as UCCE advisors are routinely accessible to staff and citizens.			
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); 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 FY 21-22 Annual Report for information on point of purchase public outreach conducted countywide and regionally.

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

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

Summary:

See the C.9 Pesticides Toxicity Control section of the CCCWP FY 21-22 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 the CCCWP FY 21-22 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 21-22, we participated in regulatory processes related to pesticides through contributions to the countywide Program and CASQA. For additional information, see the Regional Report prepared by CASQA.

Section 10 - Provision C.10 Trash Load Reduction

General Guidance: Ensure the totals are correct in all tables.

C.10.a.i ► Trash Load Reduction Summary	
For population-based Permittees, provide the overall trash reduction percentage achieved to-date within the jurisdictional area of your municipality that generates problematic trash levels (i.e., Very High, High, or Moderate trash generation). Base the reduction percentage on the information presented in C.10.b i-iv and C.10.e.i-ii. Provide a discussion of the calculation used to produce the reduction percentage	
Trash Load Reductions	
Percent Trash Reduction in All Trash Management Areas (TMAs) due to Trash Full Capture Systems (as reported C.10.b.i)	NA
Percent Trash Reduction in all TMAs due to Control Measures Other than Trash Full Capture Systems (as reported in C.10.b.ii) ⁵⁴	NA
Percent Trash Reduction due to Jurisdiction-wide Source Control Actions (as reported in C.10.b.iv)	NA
Sub-Total for Above Actions	NA
Trash Offsets (Optional)	
Offset Associated with Additional Creek and Shoreline Cleanups (as reported in C.10.e.i)	NA
Offset Associated with Direct Trash Discharges (as reported in C.10.e.ii)	NA
Total (Jurisdiction-wide) % Trash Load Reduction through FY 2021-22	NA
Discussion of Trash Load Reduction Calculation: NA	

⁵⁴ See Appendix 10-1 for changes between 2009 and FY 21-22 in trash generation by TMA as a result of Full Capture Systems and Other Measures.

C.10.a.iii ► Mandatory Trash Full Capture Systems		
Provide the following:		
1) Total number and types of full capture systems (publicly and privately-owned) installed during FY 21-22, and prior to FY 21-22, including inlet-based and large flow-through or end-of-pipe systems, and qualifying low impact development (LID) required by permit provision C.3.		
2) Total land area (acres) treated by full capture systems for population-based Permittees and total number of systems for non-population based Permittees compared to the total required by the permit.		
Type of System	# of Systems	Areas Treated (Acres)
Installed in FY 21-22		
None		
Installed Prior to FY 21-22		
Trash Capture Screen	1	870 (in Antioch)
Total for all Systems Installed To-date		
Treatment Acreage Required by Permit (Population-based Permittees)		870
Total # of Systems Required by Permit (Non-population-based Permittees)		3 but due to the large size of the drainage area, CCFCD was allowed to only install one system

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

Provide the following:

- 1) Jurisdiction-wide trash reduction in FY 21-22 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 21-22 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 21-22	Summary of Maintenance Issues and Corrective Actions
NA	NA	NA	NA	NA
Total				

Certification Statement: NA

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
NA	NA

Summary of Trash Control Measures Other than Full Capture Devices: (Do not delete this section – include in annual report)

- **Street Sweeping:** Include a description of any enhancements or new actions implemented after the MRP 1.0 effective date (i.e., December 2009). Identify portions of the TMA where enhanced street sweeping (i.e., increased sweeping frequency) and parking enforcement above 2009 levels was implemented.
- **On-land Cleanup:** Include a description of on-land cleanup activities that began after the MRP 1.0 effective date (i.e., December 2009) and continued into FY 21-22, including any enhancements or new actions implemented in FY 21-22. Describe if these actions are Permittee or volunteer-led.
- **Partial Capture Devices:** Provide a description of devices installed after the MRP 1.0 effective date (i.e., December 2009). Describe the level of maintenance conducted per device types.
- **Storm Drain Inlet Cleaning:** Describe storm drain inlet maintenance activities implemented after the MRP 1.0 effective date (i.e., December 2009) and continued in FY 21-22, including any enhancements or new maintenance activities implemented in FY 21-22. For new/enhanced actions, include the number of inlets where enhanced maintenance occurred, and the increased frequency of maintenance.
- **Uncovered Loads:** Describe activities designed to reduce trash from uncovered loads that began after the MRP 1.0 effective date (i.e., December 2009) and continued in FY 21-22, including any enhancements or new actions implemented in FY 21-22. Describe the types of actions implemented including new or redirected enforcement efforts to increase the focus towards new or enhanced actions.
- **Anti-littering and illegal dumping enforcement activities:** Describe anti-littering and illegal dumping enforcement activities began after to the MRP 1.0 effective date (i.e., December 2009) and continued in FY 21-22, and any enhancements or new actions implemented in FY 21-22. Include any new or redirected enforcement efforts to increase the focus towards new or enhanced actions. Describe the number of citations or other correction actions accomplished this year and compare with previous years. Indicate how anti-littering and illegal dumping enforcement records are kept, and how they may be retrieved for audit.
- **Improved Trash Bin/Container Management:** Describe activities designed to improve trash bin/container management that began after the MRP1.0 effective date (i.e., December 2009) and continued in FY 21-22, and any enhancements or new actions implemented in FY 21-22. Include any new or redirected efforts to increase the focus towards these new or enhanced actions.
- **Other Types of Actions:** Describe activities designed after the MRP effective date (i.e., December 2009) and continued in FY 21-22, and any enhancements or new (post December 2009 effective date) actions implemented in FY 21-22.

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

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 21-22 attributable to trash management actions other than full capture systems implemented in each TMA; OR
- 3) Indicate that no on-land visual assessments were performed.

If no on-land visual assessments were performed, check here and state why:

Explanation: Not Applicable to Flood Control (no population)

TMA ID <i>or (as applicable)</i> Control Measure Area	Total Street Miles ⁵⁵ or Acres Available for Assessment	Summary of On-land Visual Assessments			Jurisdictional-wide Reduction (%)
		Street Miles or Acres Assessed	% of Available Street Miles or Acres Assessed	Avg. # of Assessments Conducted at Each Site	
NA	NA	NA	NA	NA	NA
Total		NA	NA	NA	NA

⁵⁵ Linear feet are defined as the street length and do not include street median curbs.

C.10.b.iv ▶ Trash Reduction – Source Controls

Provide a description of each jurisdiction-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

C.10.c ▶ Trash Hot Spot Cleanups

Provide the FY 21-22 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 21-22.

Trash Hot Spot	New Site in FY 21-22 (Y/N)	FY 21-22 Cleanup Date(s)	Volume of Trash Removed (cubic yards)					
			FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
FCD-SF01 Riverside Ditch	N	5/18/22	.57	.91	0.64	0.94	2.4	0.23
FCD-SF02 Pine Creek	N	NA	2.33	4.74	NA	0.38	ND	ND
FCD-SF03 Wildcat Creek @EBRPD	N	6/3/22	1.33	2.02	1.05	0.38	0.44	0.61
FCD-SF04 San Pablo Creek 1 @ Parr	N	5/22/22	2.91	1.61	0.45	1.59	1.48	3.3
FCD-CV01 Line E (Part 1)	N	6/1/22	2.58	.16	.13	0.04	0.27	0.08
FCD-CV02 Line E (Part 2)	N	6/1/22	.33	.20	.10	0.04	0.20	0.44

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
NA	NA

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 21-22. 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 21-22	Offset (% Jurisdiction-wide Reduction)
Additional Creek and Shoreline Cleanups (Max 10% Offset)	NA	NA	NA
Direct Trash Discharge Controls (Max 15% Offset)	NA	NA	NA

Appendix 10-1. Baseline trash generation and areas addressed by full capture systems and other control measures in Fiscal Year 21-22.

TMA	2009 Baseline Trash Generation (Acres)					Trash Generation (Acres) in FY 21-22 After Accounting for Full Capture Systems					Jurisdiction-wide Reduction via Full Capture Systems (%)	Trash Generation (Acres) in FY 21-22 After Accounting for Full Capture Systems and Other Control Measures					Jurisdiction-wide Reduction via Other Control Measures (%)	Jurisdiction-wide Reduction via Full Capture AND Other Control Measures (%)
	L	M	H	VH	Total	L	M	H	VH	Total		L	M	H	VH	Total		
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Totals																		

Note: "NA" indicates that the TMA has no moderate, high, or very high trash generating areas (i.e., all low trash generation and/or non-jurisdictional) and therefore no additional trash control measures are needed.

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

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

See the CCCWP FY 2021-22 Annual Report for updated information on:

- Documentation of mercury control measures implemented in our agency's jurisdictional area for which load reductions will be reported and the associated management areas;
- A description of how the BASMAA Interim Accounting Methodology⁵⁶ was used to calculate the mercury load reduced by each control measure implemented in our agency's jurisdictional area (including green infrastructure) and the calculation results (i.e., the estimated mercury load reduced by each control measure);
- Supporting data and information necessary to substantiate the load reduction estimates; and
- For Executive Officer approval, any refinements, if necessary, to the measurement and estimation methodologies to assess mercury load reductions in the subsequent permit.

C.11.e ► Implement a Risk Reduction Program

A summary of CCCWP and regional accomplishments for this sub-provision, including a brief description of actions taken, an estimate of the number of people reached, and why these people are deemed likely to consume Bay fish are included in the CCCWP FY 2021-22 Annual Report.

⁵⁶BASMAA 2017. Interim Accounting Methodology for TMDL Loads Reduced, Version 1.1. Prepared for BASMAA by Geosyntec Consultants and EOA, Inc., March 23, 2017.

Section 12 - Provision C.12 PCBs Controls

C.12.a ► Implement Control Measures to Achieve PCBs Load Reductions

C.12.b ► Assess PCBs Load Reductions from Stormwater

C.12.c ► Plan and Implement Green Infrastructure to Reduce PCBs Loads

See the CCCWP FY 2021-22 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 Methodology⁵⁷ was used to calculate the PCBs load reduced by each control measure implemented in our agency's jurisdictional area (including green infrastructure) and the calculation results (i.e., the estimated PCBs load reduced by each control measure);
- Supporting data and information necessary to substantiate the load reduction estimates; and
- For Executive Officer approval, any refinements, if necessary, to the measurement and estimation methodologies to assess PCBs load reductions in the subsequent permit.

C.12.f. ► Manage PCB-Containing Materials During Building Demolition

See the CCCWP FY 2021-22 Annual Report for:

- Documentation of the number of applicable structures in each Permittee's jurisdiction for which a demolition permit was applied for during the reporting year; and
- A running list of the applicable structures in each Permittee's jurisdiction for which a demolition permit was applied for (since the date the PCBs control program was implemented) that had material(s) with PCBs at 50 ppm or greater, with the address, demolition date, and brief description of PCBs control method(s) used.

⁵⁷BASMAA 2017. Interim Accounting Methodology for TMDL Loads Reduced, Version 1.1. Prepared for BASMAA by Geosyntec Consultants and EOA, Inc., September 19, 2017.

C.12.h ► Implement a Risk Reduction Program

A summary of CCCWP and regional accomplishments for this sub-provision, including a brief description of actions taken, an estimate of the number of people reached, and why these people are deemed likely to consume Bay fish are included in the CCCWP FY 2021-22 Annual Report.

Section 13 - Provision C.13 Copper Controls

C.13.a.iii.(3) ► Manage Waste Generated from Cleaning and Treating of Copper Architectural Features

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

Summary:

NA

C.13.b.iii.(3) ► Manage Discharges from Pools, Spas, and Fountains that Contain Copper-Based Chemicals

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

Summary:

NA

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:

NA

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:

NA

Section 16 - Provision C.16.5 East County Permittees Inclusion into NPDES Permit No. CAS612008

Program Highlights and Evaluation

Highlight/summarize activities for reporting year

Summary:

Please see the narrative for the following Sections listed below. For other parts of C.16.5, please see Section 16 of the Countywide Program's FY 21-22 Annual Report

- C.16.5.b Inspection for Construction Site Control on Hillslope Projects
- C.16.5.c Trash Load Reductions - Identification of Private Drainages >10,000 ft²
- C.16.5.f Diazinon and Chlorpyrifos Controls
- C.16.5.g Methylmercury Monitoring
- C.16.5.h Delta Mercury Control Program
- C.16.5.h(2) Enhanced Municipal Management Practices to Reduce Sediment Discharges
- C.16.5.h(3) Public Education and Risk Reduction

C.16.5.b ► Inspections for Construction Site Control on Hillslope Projects

Did your agency complete Permit Provision C.16.5.b.ii.(2)? NA

<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
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If No, provide an explanation and estimated completion date:

NA

C.16.5.c.ii.(4) ► Trash Load Reductions - Identification of Private Drainages >10,000 ft²

Did your agency complete Permit Provision C.10.a.ii.b? NA

<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
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Permittee Name: Contra Costa County Flood Control & Water Conservation District

If No, provide an explanation and estimated completion date: NA

Description of the process used to identify applicable areas and their trash control status:

NA

C.16.5.f ▶ Diazinon and Chlorpyrifos Controls
C.16.5.g ▶ Methylmercury Monitoring
C.16.5.h ▶ Delta Mercury Control Program

Please refer to Section C.16 of the Countywide Program's FY 21-22 Annual Report.

C.16.5.h(2) ▶ Enhanced Municipal Management Practices to Reduce Sediment Discharges

Contra Costa County implements best management practices to limit sediment and erosion during municipal operations and maintenance activities. Please refer to Section 2 of the Annual Report for more details relating to Municipal Operations.

C.16.5.h(3) ▶ Public Education and Risk Reduction

Please refer to Section C.16 of the CCCWP FY 21-22 Annual Report.