



September 7, 2016

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

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

Dear Mr. Wolfe and Ms. Creedon:

Enclosed is the 2015-16 Annual Report for the City of Orinda, which is required by and in accordance with Provision C.17 in National Pollutant Discharge Elimination System (NPDES) Permit Number CAS612008 issued by the San Francisco Bay Regional Water Quality Control Board and/or by Provision C.13 in NPDES Permit Number CA0083313 issued by the Central Valley Regional Water Quality Control Board.

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

Sincerely,

Janet Keeter
City Manager

Enclosure

General Information

(925) 253-4200 (ph)
(925) 254-2068 (fax)

Administration

(925) 253-4220 (ph)
(925) 254-2068 (fax)

Planning

(925) 253-4210 (ph)
(925) 253-7719 (fax)

Parks & Recreation

(925) 254-2445 (ph)
(925) 253-7716 (fax)

Police

(925) 254-6820 (ph)
(925) 254-9158 (fax)

Public Works

(925) 253-4231 (ph)
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ATTACHMENT B

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Section 1 – Permittee Information

Background Information				
Permittee Name:	City of Orinda			
Population:	18,749			
NPDES Permit No.:	CAS612008 (San Francisco Bay RWQCB Permit)			
Order Number:	R2-2015-0049 (San Francisco Bay RWQCB Permit)			
Reporting Time Period (month/year):	July 2015 through June 2016			
Name of the Responsible Authority:	Janet Keeter	Title:	City Manager	
Mailing Address:	22 Orinda Way			
City:	Orinda	Zip Code:	94653	County: Contra Costa
Telephone Number:	(925) 253-4222	Fax Number:	(925) 254-2068	
E-mail Address:	jkeeter@cityoforinda.org			
Name of the Designated Stormwater Management Program Contact (if different from above):	Kelli Capka	Title:	Associate Civil Engineer	
Department:	Public Works and Engineering Services			
Mailing Address:	22 Orinda Way			
City:	Orinda	Zip Code:	94653	County: Contra Costa
Telephone Number:	(925) 253-4251	Fax Number:	(925) 253-7699	
E-mail Address:	kcapka@cityoforinda.org			

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 the CCCWP's FY 15-16 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.

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

Comments:

The City's Public Works Maintenance crew implements the BMPs mentioned above during street maintenance activities such as potholing, and the City's contractors performing paving projects must comply with Caltrans Standard Specification Section 13 Water Pollution Control.

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.

Y	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
Y	Implementation of the BASMAA Mobile Surface Cleaner Program BMPs

Comments:

The City's Park and Recreation Department contracts with UBS to perform plaza cleaning at the City's Community Center/Library about once a year. UBS staff have completed the BASMAA Mobile Surface Cleaner Program certification.

The Public Works staff did not perform pressure washing of downtown sidewalks in FY 15-16 due to the drought. The former Associate Engineer, Wendy Wellbrock, has completed the BASMAA Mobile Surface Cleaner Program certification during FY 15-16 and Public Works Supervisor Bryan Rowe has completed the training in past years. Current Associate Engineer, Kelli Capka, and Public Works Supervisor, Bryan Rowe, will be completing their BASMAA Mobile Surface Cleaner Program certifications in September 2016.

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.	
N/A	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
Y	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.
N/A	Contract specifications requiring proper capture and disposal methods for wastes generated from bridge and structural maintenance and graffiti removal activities.
Comments: The City does not perform any bridge or structural maintenance other than pothole patching on bridge decks and approaches, repair of damaged guardrail, touch-up painting, and cleaning of deck drains. The City does not contract for any graffiti removal activities or bridge and structural maintenance. As indicated in C.2.b, former Associate Engineer, Wendy Wellbrock, has completed the BASMAA Mobile Surface Cleaner Program certification.	

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.					
<input type="checkbox"/>	N/A	Control of road-related erosion and sediment transport from road design, construction, maintenance, and repairs in rural areas			
<input type="checkbox"/>	N/A	Identification and prioritization of rural road maintenance based on soil erosion potential, slope steepness, and stream habitat resources			
<input type="checkbox"/>	N/A	No impact to creek functions including migratory fish passage during construction of roads and culverts			
<input type="checkbox"/>	N/A	Inspection of rural roads for structural integrity and prevention of impact on water quality			
<input type="checkbox"/>	N/A	Maintenance of rural roads adjacent to streams and riparian habitat to reduce erosion, replace damaging shotgun culverts and excessive erosion			
<input type="checkbox"/>	N/A	Re-grading of unpaved rural roads to slope outward where consistent with road engineering safety standards, and installation of water bars as appropriate			
<input type="checkbox"/>	N/A	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: Although there are portions of roads that are maintained by the City of Orinda and are adjacent to existing/future parcels with open space uses or large lot home-sites of one or more acres, these portions are inconsistent and intermittent; therefore, they are not considered rural. Maintenance of all publicly-maintained roads in Orinda is identified and prioritized using StreetSaver®. The Metropolitan Transportation Commission's Pavement Management Program StreetSaver® is a computer-assisted decision-making process designed to help cities and counties prevent pavement problems through judicious maintenance, and to diagnose and repair problems that exist in a timely, cost-effective manner.					

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.

C.2.f. ► Corporation Yard BMP Implementation

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

- We do not have a corporation yard
- Our corporation yard is a filed NOI facility and regulated by the California State Industrial Stormwater NPDES General Permit
- 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:

- Control of pollutant discharges to storm drains such as wash waters from cleaning vehicles and equipment
- Routine inspection prior to the rainy seasons of corporation yard(s) to ensure non-stormwater discharges have not entered the storm drain system
- Containment of all vehicle and equipment wash areas through plumbing to sanitary or another collection method
- 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
- Cover and/or berm outdoor storage areas containing waste pollutants

Comments:
Runoff from the vehicle and equipment wash water area passes through a sand-oil interceptor prior to discharge to the sanitary sewer system and has been permitted through the local sanitation district.

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
Corporation Yard	9/9/2015	None	None

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

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

(For FY 15-16 Annual Report only) Provide a brief summary of the methods of implementation of Provisions C.3.a.i.(1)-(8).

Summary:

(1) Municipality's legal authority to implement C.3: The Orinda Municipal Code was updated in 2004 and again in 2013 to reflect the C.3 requirements (Orinda Municipal Code Chapter 18.02 Stormwater Management and Discharge Control).

(2) Municipality's development review and permitting procedures, including use of conditions of approval or other enforceable mechanisms: The City of Orinda has conditions of approval that require applicants to meet Provision C.3. The conditions of approval state that every application for a project that is subject to the development runoff requirements in the City's NPDES Permit shall be accompanied by a stormwater control plan that meets the criteria in the most recent version of the Contra Costa Clean Water Program Stormwater C.3. Guidebook. The conditions also require that the applicant execute any agreements pertaining to the transfer of ownership and/or long-term maintenance of stormwater treatment or hydrograph modification BMPs and submit a Stormwater Operation and Maintenance Plan approved by the City of Orinda prior to building permit final and issuance of a Certificate of Occupancy.

(3) How water quality effects and mitigation measures are addressed in environmental reviews (e.g., CEQA): The City's Planning Department addresses water quality effects. When reviewing projects for compliance with CEQA, the City uses the checklist that is in Appendix G in the current CEQA Guidelines. The Governor's Office of Planning and Research (OPR) publishes the Guidelines. In addition, the City's Planning Department follows the Technical Advisory prepared by OPR titled "CEQA and Low Impact Development Stormwater Design: Preserving Stormwater Quality and Stream Integrity Through CEQA Review" dated August 2009.

(4) C.3 training for appropriate departments: The enforcement of C.3 requirements and review of C.3 projects is largely performed by the Engineering Department. The Planning Department consults with the Engineering Department to determine applicability of C.3 requirements for submitted private-development projects. The Stormwater Program Manager coordinates C.3 compliance for CIP projects. The Stormwater Program Manager attended the CCCWP's C.3 training and is on the email list for updates on changes to the C.3 Guidebook.

(5) Outreach/education efforts to staff, developers, contractors, construction site operators and owner/builders: The City regularly updates the City's website with C.3 outreach information. The City also provides C.3 guidance material at the Planning Counter.

(6) How your municipality encourages site design measures at unregulated projects subject to Planning/Building Department review: The planning and zoning code is intended to (a) conserve and enhance key visual features of Orinda's semi-rural character and setting, including major ridgelines, hillsides and other open space areas, consistent with the general plan; and (b) minimize environmental degradation by ensuring orderly development of lands consistent with the general plan, and protection of important environmental features such as ridgelines, streams and undeveloped hillsides. The design review standards in Orinda Municipal Code (OMC) 17.30.5 (Basic design review standards) encourage

minimizing land disturbance and impervious surfaces; clustering of structures and pavement; preservation of open space; and protection and/or restoration of riparian areas and wetlands. If a project is located in the creek setback, the design review standards further require that the site and landscape plan retain, enhance and restore appropriate riparian vegetation verified in a creek setback protection report by a qualified biologist. OMC 18.03 (Watercourse Maintenance, Alteration and Protection) requires watercourse alteration permits for projects modifying existing drainage facilities or installing new drainage facilities. The standards encourage minimizing land disturbance and impervious surfaces and directing roof runoff to vegetated areas. City staff encourages use of splash blocks, bubble-ups, and dissipaters rather than direction connection to piped storm drainage system. Because the City's storm drainage infrastructure is less developed (City streets are not entirely underlain by a continuous piped storm drain system; rather storm water flows in open ditches and across paved surfaces) and because of the City's hilly topography, many residences discharge collected roof runoff in a pipe system and discharge it to a dissipater downslope from the house. From the dissipater, collected stormwater flows across land before reaching a downstream watercourse, be in a roadside ditch, creek, etc. The City also requires grading permits for projects involving 50 CY or more of earthwork as specified in OMC 15.36. During the FY 10-11 year, the City added a checklist of the site design measures listed in C.3.a (6) to the drainage and grading plan check form to encourage their implementation.

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

Storm Drain Inlet Stenciling: The City of Orinda contracts its Building Inspection services with Contra Costa County. Some of the source control measures listed in this Provision are covered by the 2013 CAL Green (CGBSC) (namely storm drain stenciling and the landscaping measures) which the Building Inspection Department abides by for new construction. In addition, the City requires storm drain stenciling on all projects installing storm drain facilities in private roadways.

Landscaping that minimizes irrigation and runoff, promotes surface infiltration where possible, minimizes the use of pesticides and fertilizers, and incorporates appropriate sustainable landscaping practices and programs, such as Bay-Friendly Landscaping: Section 17.17.3 of the OMC addresses landscaping standards required for landscaping plans. The standards indicate that landscape materials shall not interfere with the free flow of stormwater drainage; that when a landscape plan is required for a property on which or along which a watercourse is located the landscape plan shall also provide appropriate native riparian vegetation and other improvements in compliance with OMC 18.04; that the combined turf and water area (e.g., pools, ponds and fountains) shall not exceed twenty-five (25) percent of the total irrigated area except where drought-tolerant turf grass is used. Several lists are available to the public including suggested native plants for watercourses, plants native to Orinda, invasive plants to be avoid, and a disallowed vegetation list (based on high flammability).

Appropriate covers, drains, and storage precautions for outdoor material storage areas, loading docks, repair/maintenance bays, and fueling areas; Covered trash, food waste, and compactor enclosures; Plumbing of the following discharges to the sanitary sewer, subject of the local sanitary sewer agency's regulations and standards: The other items regarding outdoor material storage areas, trash enclosures, and plumbing of various discharges are addressed during the Contra Costa County Building Inspection Department plan check process and the Central Contra Costa Sanitary District approval process.

(8) General Plan revisions (if needed) to integrate water quality/watershed protection with water supply, flood protection, habitat protection, groundwater recharge, and other sustainable development principles and policies. Include dates of General Plan revisions: The City's General Plan has been reviewed and it was determined that the 14 guiding and implementing policies of the Conservation Element of the General Plan adequately addressed Provision C.3.a.i(8). The General Plan includes policies regarding preservation of riparian habitats, encouraging planting and reforestation with natives, protection of creeks from siltation to minimize flooding and, protection of drinking water reservoirs from pollution and siltation due to development in Orinda, preservation of open space, preservation of drainage easements creeks, etc. The General Plan covers 1987-2007 but has been amended throughout the years.

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.
See Table C.3.b.iv.(2) for a list of regulated projects approved in FY 15-16.

C.3.c.ii ► Design Specifications for Pervious Pavement Systems

(For FY 2015-16 Annual Report only). Submit design specifications for pervious pavement systems that have been developed and adopted on a regional or countywide basis. If design specifications have been adopted and are contained in a Countywide stormwater handbook, include a reference to the handbook.

Summary:
The City of Orinda requires developments to comply with the design specifications included in the CCCWP's Stormwater C.3 Guidebook.

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

C.3.e.v ► Special Projects Reporting

1. In FY 2015-16, 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. In FY 2015-16, 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.		Yes	X	No
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. An application for the "Astoria" project was received in a previous fiscal year but then withdrawn in FY 15-16. The project will likely be resubmitted in FY 16-17 and will be included in next year's report.				

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.
<p align="center">See attached Table C.3.h.v.(2) for list of newly installed Stormwater Treatment Systems/HM Controls.</p>

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

Option 1 – Reporting Site Inspections	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 (FY14-15)	3
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 15-16)	3
Total number of Regulated Projects (including offsite projects, and Regional Projects) for which O&M verification inspections were conducted during the reporting period (FY 15-16)	0
Percentage of the total number of Regulated Projects (including offsite projects, and Regional Projects) inspected during the reporting period (FY 15-16)	0% ²
Option 2 – Reporting Stormwater Treatment System Inspections	
Total number of stormwater treatment and HM systems in your agency's database or tabular format at the end of the previous fiscal year (FY 14-15)	
Total number of stormwater treatment systems in your agency's database or tabular format at the end of the reporting period (FY 15-16)	
Total number of stormwater treatment and HM systems inspected in the reporting period (FY 15-16)	
Percentage of stormwater treatment and HM systems inspected in the reporting period (FY 15-16)	0% ³

² Based on the number of Regulated Projects in the database or tabular format at the end of the previous fiscal year (FY 14-15), per MRP Provision C.3.h.ii.(6)(b).

³ Based on the number of stormwater treatment and HM systems database or tabular format at the end of the previous fiscal year (FY 14-15), per MRP Provision C.3.h.ii.(6)(b).

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

Provide a discussion of the inspection findings for the year and any common problems encountered with various types of treatment systems and/or HM controls. This discussion should include a general comparison to the inspection findings from the previous year.

Summary:

No inspections of installed stormwater treatment systems were documented in FY 15-16 due to staff turnover. However, City Staff performed inspections at one of three regulated projects with completed O&M Agreements on September 6, 2016, and inspections will be performed again in FY 16-17. The September 6, 2016 inspections showed that the stormwater facilities were in good order and properly maintained.

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

Summary:

In FY 16-17, the City's O&M Program will be re-organized to improve program effectiveness. The City will designate a target month every year in which the inspections are scheduled to take place. The City of Orinda O&M Verification Program includes inspection of all treatment systems within 45 days of installation as required by Provision C.3.h.ii.(6)(a), and this is covered through the City's contract with Contra Costa County Building Department for inspections of new construction. The City will have a target inspection rate of 25% or greater of the total number of regulated projects, thereby exceeding the permit requirement of 20% on an annual basis established by Provision C.3.h.ii.(6)(b/c). The City inspected all installed stormwater treatment devices at least once within a five year period as required in Provision C.3.h.ii.(6)(d).

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

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

Summary:

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

C.3.j.i.v.(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:

City staff presented the Green Infrastructure planning and implementation requirements in the form of a memo attached to a staff report at the CIP workshop held by City Council on March 24, 2016. There was a brief discussion of the item as it relates to the City's CIP.

Please refer to the CCCWP's FY 15-16 Annual Report for a summary of outreach efforts implemented at the countywide level.

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

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

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

Background Information:

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.

The City of Orinda followed the BASMAA May 6, 2016 document, "Guidance for Identifying Green Infrastructure Potential in Municipal Capital Improvement Projects". This document outlined a procedure for review of planned public projects and assessment of green infrastructure potential.

Summary of Planning or Implementation Status of Identified Projects:

See attached Tables C.3.j.ii.(2)-A and C.3.j.ii.(2)-B for the required information.

C.3.j.iii.(2) ▶ 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.

Please refer to the CCCWP's FY 15-16 Annual Report, Section 3 for a summary of efforts conducted to help regional, State, and federal agencies plan, design and fund incorporation of green infrastructure measures into local infrastructure projects, including transportation projects.

C.3.j.iv.(2) ▶ 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 wasteload allocations for TMDLs are being met.

Please refer to the CCCWP's FY 15-16 Annual Report, Section 3 for a summary of methods being developed to track and report implementation of green infrastructure measures.

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 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											
25A Orinda Way	25A Orinda Way, APN 265-170-039	Hoosang Hadjian	NA	New Development, mixed-use retail and office building and required parking	San Pablo Creek	0.45 AC	0.45 AC	19,450 SF	0	0	19,450 SF
J&J Ranch (MS 13-001)	24 Adobe Lane, APN 271-150-002 & 271-130-003	J & J Ranch, LLC	NA	New Development, residential with 13 single-family homes	Moraga Creek	20.32 AC	4.25 AC	4.09 AC	0.11 AC	0.68 AC	4.2 AC
Public Projects											
None											
Comments:											

¹⁰Include cross streets

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

¹²Project 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.

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

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

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

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

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

**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 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										
25A Orinda Way	February 3, 2015	3/22/2015	Mark all on-site drain inlets, distribute stormwater pollution prevention information to Owner, distribute IMP information to owner, landscaping to be maintained with no pesticides, post "do not dump hazardous materials here" signs near trash receptacles	Limitation of development envelope, preservation of natural drainage features, Use of drainage as a design element	1 bioretention facility	O&M agreement with owner	2.c	N/A	N/A	Bioretention per C.3 guidebook

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

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

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

²¹List 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.

²²List 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.).

²³List 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.

²⁴See 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).

²⁵For 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.

²⁶For 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.

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

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

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

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

Project Name Project No.	Application Deemed Complete Date 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}
J&J Ranch (MS 13-001)	June 27, 2013	7/14/2015	Mark all on-site drain inlets, Provide integrative pest management (IMP) information to new owners, distribute stormwater pollution prevention information to homeowners	Limitation of development envelope, preservation of natural drainage features, setbacks from creeks, wetlands, and riparian habitats, minimization of imperviousness, use of drainage as a design element	1 Bioretention facility	O&M agreement with Homeowners Association	2.c	N/A	N/A	Bioretention per C.3 Guidebook

**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 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										
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Comments: The City of Orinda did not have any regulated public projects during the reporting period.										

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

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

³²List 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.

³³List 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.).

³⁴List 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.

³⁵See 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).

³⁶For 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.

³⁷For 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.

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

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

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

C.3.h.v.(2). ► Table of Newly Installed⁴¹ 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 ⁴² For Maintenance	Type of Treatment/HM Control(s)
N/A	N/A	N/A	N/A

⁴¹ "Newly Installed" includes those facilities for which the final installation inspection was performed during this reporting year.

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

C.3.e.v.Special Projects Reporting Table												
Reporting Period – July 1 2015 - June 30, 2016												
Project Name & No.	Permittee	Address	Application Submittal Date ⁴³	Status ⁴⁴	Description ⁴⁵	Site Total Acreage	Gross Density DU/Acre	Density FAR	Special Project Category ⁴⁶	LID Treatment Reduction Credit Available ⁴⁷	List of LID Stormwater Treatment Systems ⁴⁸	List of Non-LID Stormwater Treatment Systems ⁴⁹
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

⁴³Date that a planning application for the Special Project was submitted.

⁴⁴ 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.

⁴⁵Type of project (commercial, mixed-use, residential), number of floors, number of units, type of parking, and other relevant information.

⁴⁶ For each applicable Special Project Category, list the specific criteria applied to determine applicability. For each non-applicable Special Project Category, indicate n/a.

⁴⁷For 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.

⁴⁸: 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.

⁴⁹List 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

A previously report project (Astoria) withdrew its application in FY 15-16. The project will likely be resubmitted in FY 16-17 and will be included in next year's report.

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

Project Name and Location ⁴⁴	Project Description	Status ⁴⁵	GI Included? ⁴⁶	Description of GI Measures Considered and/or Proposed or Why GI is Impracticable to Implement ⁴⁷
Miner Road Pavement Rehabilitation	Rehabilitate existing pavement along Miner Road between Camino Pablo and Lombardy Lane, including adding width to selective shoulder pavement areas where feasible. The project will likely include an asphalt overlay and pavement widening. The project may need some right-of-way acquisition and tree removal.	Currently scheduled for FY 19.	TBD	Bioretention areas within public ROW along path are being considered
Camino Pablo Pathway Rehabilitation	Pavement rehabilitation of Camino Pablo pathway from Wager Ranch Elementary School to Orinda Way. Work to be phased over several years.	Preliminary design has commenced. Project is underfunded currently and only cosmetic repairs can be applied until additional funding allocate toward the project.	TBD	Bioretention areas along road are being considered; project funding is a challenge

⁴⁴ List each public project that is going through your agency’s process for identifying projects with green infrastructure potential.

⁴⁵ Indicate status of project, such as: beginning design, under design (or X% design), projected completion date, completed final design date, etc.

⁴⁶ 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.

⁴⁷ 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.

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

Project Name and Location ⁴⁸	Project Description	Planning or Implementation Status	Green Infrastructure Measures Included
None	N/A	N/A	N/A

⁴⁸ List each planned (and expected to be funded) public and private green infrastructure project that is not also a Regulated Project as defined in Provision C.3.b.ii. Note that funding for green infrastructure components may be anticipated but is not guaranteed to be available or sufficient.

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

Program Highlights and Evaluation

Highlight/summarize activities for reporting year:

Summary:

The City of Orinda contracts with Central Contra Costa Sanitary District (CCCSD) to update the facilities lists for its business inspection plan. The inspection frequencies and priorities for FY 2015-2016 remain unchanged from FY 2014-2015. The City's Stormwater Program Manager and CCCSD inspectors attended training as described below in C.4.d.iii. Refer to the C.4 Industrial and Commercial Site Controls section of the CCCWP's FY 15-16 Annual Report for a description of activities of the CCCWP's Municipal Operations Committee and/or the BASMAA Municipal Operations Committee.

C.4.b.iii ► Potential Facilities List

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

<u>Name</u>	<u>Address</u>	<u>City</u>	<u>Program Category</u>
Orinda Convalescent Hospital	11 Altarinda Road	Orinda	Assisted Living
Orinda Senior Village	20 Irwin Way	Orinda	Assisted Living
Cine Cuvee Wine Lounge	2 Theater Square 103A	Orinda	Bar Only
Clean Cleaners of Orinda, Inc	17 Orinda Way A	Orinda	Dry Cleaner
Fashion Cleaners	140 Village Square	Orinda	Dry Cleaner
Orinda Cleaners	37 Moraga Way	Orinda	Dry Cleaner
Moraga Orinda Fire Station Station 43	20 Via Las Cruces	Orinda	Fire Station
Orinda Maintenance Facility	10 Orinda Fields Lane	Orinda	Fleet Operations
US Post Office	29 Orinda Way	Orinda	Fleet Operations
Baan Thai	99 Orinda Way	Orinda	Food Service
Barbacoa	2 Theater Square 130	Orinda	Food Service
Cafe Teatro	24 Orinda Way	Orinda	Food Service
Casa Orinda	20 Bryant Way	Orinda	Food Service
Chillers	21 Orinda Way G	Orinda	Food Service

Europa Hofbrau	64 Moraga Way	Orinda	Food Service
Geppetto's	87 Orinda Way	Orinda	Food Service
Hanazen	87 Orinda Way	Orinda	Food Service
La Cocina	23 Orinda Way H	Orinda	Food Service
La Piazza	15 Moraga Way	Orinda	Food Service
Lava Pit	2 Theater Square 142	Orinda	Food Service
Loard's Ice Cream	230 Brookwood Road	Orinda	Food Service
Maya Mexican	74 Moraga Way	Orinda	Food Service
Nation's Foods, Inc.	76 Moraga Way	Orinda	Food Service
Niwa Restaurant	1 Camino Sobrante 6	Orinda	Food Service
Peet's Coffee And Tea	63 Moraga Way	Orinda	Food Service
Petra Café	2 Theater Square 105	Orinda	Food Service
Piccolo Napoli	2 Theater Square 144	Orinda	Food Service
Republic Of Cake	2 Theater Square 151	Orinda	Food Service
Serika Restaurant	2 Theater Square 118	Orinda	Food Service
Shelby's	2 Theater Square 152	Orinda	Food Service
Siam Orchid Thai Restaurant	23 Orinda Way	Orinda	Food Service
Starbuck's	2 Theater Square 106	Orinda	Food Service
Starbucks Coffee	1 Camino Sobrante 9	Orinda	Food Service
Subway	2 Theater Square 108	Orinda	Food Service
Sushi Island	19 Moraga Way	Orinda	Food Service
Szechwan Restaurant	79 Orinda Way	Orinda	Food Service

Table 24	2 Theater Square 153	Orinda	Food Service
The Refined Palate	26 Orinda Way F	Orinda	Food Service
Turquoise Mediterranean Grill	70 Moraga Way	Orinda	Food Service
Village Inn Cafe	204 Village Square	Orinda	Food Service
Village Pizza Restaurant	19 Orinda Way AB	Orinda	Food Service
Yan's Restaurant	1 Orinda Way 1	Orinda	Food Service
Zamboni's Pizza	1 Camino Sobrante 4	Orinda	Food Service
Chevron Station #97407	11 Orinda Way	Orinda	Gas Station
Flying A of Orinda	22 Bryant Way	Orinda	Gas Station
Orinda Shell Gas Station	9 Orinda Way	Orinda	Gas Station
Orinda Unocal 76	67 Moraga Way	Orinda	Gas Station
Orinda Country Club	315 Camino Sobrante	Orinda	Golf Course
Beverages & More	6 Camino Pablo Road	Orinda	Grocery Store
Safeway	2 Camino Sobrante	Orinda	Grocery Store
Sutter East Bay Medical Foundation	12 Camino Encinas	Orinda	Healthcare
Les Lunes Wine	13 Cascade Lane	Orinda	Manufacturing
Mcdonnell Nursery	196 Moraga Way	Orinda	Nursery
Meadow Swim And Tennis Club	20 Heather Lane	Orinda	Pool
Oak Springs Pool	39 Spring Road	Orinda	Pool
Orinda Park Pool	72 El Toyonal	Orinda	Pool
Sleepy Hollow Swim & Tennis Club	1 Sunnyside Lane	Orinda	Pool
CVS Pharmacy	50 Moraga Way	Orinda	Retail
Rite Aid	27 Orinda Way	Orinda	Retail
EBMUD Orinda WTP	190 Camino Pablo	Orinda	Utility
Berry Bros Orinda Towing	81 Moraga Way C	Orinda	Vehicle Service
Orinda Motors	63 Orinda Way	Orinda	Vehicle Service
Orinda Shell Auto Care	9 Orinda Way	Orinda	Vehicle Service
Orinda Tire & Wheel	67 Moraga Way	Orinda	Vehicle Service

C.4.d.iii.(1)(a) ► Facility Inspections

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

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

	Number	Percent
Number of businesses inspected	17	
Total number of inspections conducted	22	
Number of violations (excluding verbal warnings)	3	
Sites inspected in violation	3	
Violations resolved within 10 working days or otherwise deemed resolved in a longer but still timely manner	3	

Comments:
At the end of each fiscal year, Central Contra Costa Sanitary District (CCCSD) provides a stormwater enforcement summary of sites inspected that were in violation. Violations are counted as one per inspection per site. In FY 15-16 all Notices of Violation were resolved within 10 business days.

C.4.d.iii.(1)(b) ► Frequency and Types/Categories of Violations Observed

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

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

Comments:
Discharge streams are counted as one discharge (actual or potential) per inspection per site.
A warning notice for potential discharge was issued to Village Pizza for washing mats outside. The inspector informed an employee that the mats and equipment are not to be washed outside and that only stormwater is allowed to enter the storm drains. It was also noted that the tallow drum was messy with oil on the ground and employees were instructed that it must be cleaned up.
A warning notice was issued to Orinda Motors for observed oily substance leaking from an outdoor lift at the used oil storage area. The inspector provided education and observed the spill cleaned up.
A warning notice was issued to Meadow Swim and Tennis Club for using acid to clean stains off pool deck near storm drain. The inspector responded with education on “only rain down the drain.”

C.4.d.iii.(1)(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) ⁴⁹	Number of Enforcement Actions Taken	% of Enforcement Actions Taken⁵⁰
Level 1	Warning Notice/Education	3	100
Level 2	Notice of Violation	0	0
Level 3	Formal Enforcement (Administrative Penalties, Cost Recovery)	0	0
Level 4	Legal Action and/or Referral to State and Federal Agencies	0	0
Total		3	100

⁴⁹Agencies to list specific enforcement actions as defined in their ERPs.

⁵⁰Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.

C.4.d.iii.(1)(c) ▶ Types of Violations Noted by Business Category

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

Business Category ⁵¹	Number of Actual Discharge Violations	Number of Potential/Other Discharge Violations
Food Service	0	1
Gas Station	0	0
Healthcare	0	0
Permitted IU	0	0
Pool	0	1
Property Management	0	0
Vehicle Service	0	1

C.4.d.iii.(1)(d) ▶ Non-Filers

List below or attach a list of the facilities required to have coverage under the Industrial General Permit but have not filed for coverage:
There were no industries identified as non-filers during scheduled inspections during this fiscal year.

C.4.e.iii ▶ Staff Training Summary

Training Name	Training Dates	Topics Covered	No. of Industrial/ Commercial Site Inspectors in Attendance	Percent of Industrial/ Commercial Site Inspectors in Attendance	No. of IDDE Inspectors in Attendance	Percent of IDDE Inspectors in Attendance
Commercial /Industrial Stormwater Inspection Training Workshop	5/5/16	<ul style="list-style-type: none"> Stormwater Inspections under MRP 2.0 Inspecting Public Works Corporation Yards Inspecting Mobile Businesses Talkin' Trash 	CCCSD – 9 Orinda - 1	CCCSD – 100% Orinda – 33%	N/A	N/A
CWEA – Annual Concerence	4/26/16	<ul style="list-style-type: none"> Stormwater education and outreach Trash management 	CCCSD - 1	CCCSD -11%	N/A	N/A

⁵¹List your Program's standard business categories.

BACWA Sponsored Sampling/Ethic Training	10/13/15	<ul style="list-style-type: none"> Documentation requirements for environmental sampling Importance of ethical conduct when performing environmental sampling 	CCCSD - 9	CCCSD – 100%		
CCCSD Sponsored Anatomy of an Investigation	10/6/15	<ul style="list-style-type: none"> Inspector training Gaining access Obtaining evidence Building a case 	CCCSD - 9	CCCSD – 100%		
CWEA Stormwater Training Webinar	8/26/15	<ul style="list-style-type: none"> Stormwater Inspections at commercial/industrial facilities Stormwater BMPs 	CCCSD - 4	CCCSD – 44%		
California Hazardous Materials Investigators Association – Advanced Criminal Investigations	10/20/15 – 10/30/15	<ul style="list-style-type: none"> Investigation elements Collecting defensible evidence Witness training 	CCCSD – 1	CCCSD – 11%		
Comments:						

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:
The number of illicit discharges reported in FY 15-16 was lower than the number reported in the previous two fiscal years. Two potential and actual discharges were reported in FY 15-16: 1 involving fuel and 1 unknown. The City's Public Works Maintenance staff, Central Contra Costa Sanitary District inspectors, Contra Costa Health Department, and the City's grading inspector respond to all calls reporting spills and potential/actual discharges. All incidents are tracked in a database maintained by the City as described in section C.5.d.iii below. Refer to the C.5 Illicit Discharge Detection and Elimination section of the CCCWP's FY 15-16 Annual Report for description of activities at the countywide or regional level.

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

List below or attach your complaint and spill response phone number

925-253-4251 (Stormwater Program Manager) or 1-800-NO-DUMPING hotline (1-800-663-8674)

Provide your complaint and spill response web address, if used

N/A

Is a screen shot of your website showing the central contact point attached? Yes No

If No, explain:

Provide a discussion of how the central contact point (complaint and spill response phone number and, if used, web address) is being publicized to your staff and the public.

The City's webpage lists Kelli Capka, Stormwater Program Manager at 925-253-4251, and the 1-800-NO-DUMPING hotline on the City's webpage under Departments → Public Works and Engineering Services → Stormwater Management. The 1-800-NO-DUMPING hotline is also listed under Departments → Public Works and Engineering Services → FAQ. The City will be updating the website soon and the Stormwater Program Manager will verify that this information is prominently displayed on the new layout. Other staff is aware that any Stormwater complaint shall be forwarded to the Stormwater Program Manager.

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

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

	Number	Percentage
Discharges reported (C.5.d.iii.(1))	2	
Discharges reaching storm drains and/or receiving waters (C.5.d.iii.(2))	1	50
Discharges resolved in a timely manner (C.5.d.iii.(3))	2	100

Comments:
The City of Orinda records all complaints received regarding illicit discharges in its tracking system, including those that are unsubstantiated in the field and potential discharges that are prevented from reaching the City’s storm drain system and/or receiving waters. As such, complaints such as household items being dumped on the side of roadways or discharges emanating from a residential property but never substantiated in the field (repeated City staff inspections never observed either spill or discharge) are included in the tracking table. All potential and actual discharges in FY 15-16 were resolved in a timely manner.

C.5.f.iii ► MS4 Map Availability

Discuss how you make your MS4 map available to the public and how you publicize the availability of the MS4 map.

The City’s Department of Public Works and Engineering Services keeps a hard copy of all the storm drain system maps at the office. Any resident can contact the Public Works Department at 253-4231 to make an appointment or simply come to the Planning Service Counter and ask to view the maps. (Counter hours are Monday through Thursday, 8:00 a.m. to noon & 1:00 p.m. to 4:30 p.m. and Friday 8:00 a.m. to noon and 1:00 p.m. to 4:00 p.m.). This information is available on the City’s website under Departments → Public Works and Engineering Services → Drainage and Creek Maintenance.

Section 6 – Provision C.6 Construction Site Controls

C.6.e.iii.(1) ► Hillside Development Criteria			
What criteria is your agency using to determine hillside development areas?	X	Local criteria such as maps of hillside development areas or other written criteria	X
The permit definition of projects on sites with ≥ 15% slope			
Attach a copy of hillside development area maps or provide your written criteria below, if applicable.			
Description: Orinda Municipal Code Section 17.7.4 includes a slope calculation used by developers and OMC Section 17.7 further elaborates on the City's requirements for hillside developments. Both OMC and the permit define hillside projects as having 15% or greater slope.			

C.6.e.iii.2.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)
1	1	18
Comments: The City of Orinda conducted construction site control inspections early in or prior to the rainy season at all projects with active grading or drainage permits. These inspections were used to provide educational outreach to contractors and to identify high priority sites. The outcome of these pre- or early-rainy season inspections is considered with the site factors listed in Provision C.6.e.ii(2) (site slope, project size, proximity to waterbodies, etc.) to identify the City's high priority sites requiring monthly inspections. These inspections serve to identify other factors such as resistant contractor, construction work planned for rainy season, financial hardship, multiple contractors or subcontractors performing work possibly resulting in poor communication, poor contractor-owner relations, etc. that can make timely installation and maintenance of BMPs problematic. Numerous construction site control inspections were conducted at several sites not within the above categories (sites disturbing less than one acre and not considered high priority) as part of the City's grading and drainage inspection program. These projects were all single-family residences that had open grading or drainage permits and disturbed less than one acre. They were not deemed high priority for a variety of reasons		

including: project nearly complete and site stabilized early in rainy season, good construction site control BMPs observed, project not started, project on hold and site stabilized, etc.

The number reported above for “Total number of storm water runoff quality inspections conducted” (C.6.e.iii.1.c) includes only the stormwater runoff quality inspections at the high priority site and the one site disturbing more than one acre. During these inspections, the grading inspector completed a stormwater runoff quality inspection form. In addition to the stormwater runoff quality inspections, the two sites were inspected more frequently than the monthly minimum requirement, be it for stormwater runoff quality (but form not completed) or inspection requests by applicant.

C.6.e.iii.2.d ▶ Construction Activities Storm Water Violations		
BMP Category	Number of Violations⁵² excluding Verbal Warnings	% of Total Violations⁵³
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
Total⁵⁴	0	N/A

⁵²Count 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.

⁵³Percentage calculated as number of violations in each category divided by total number of violations in all six categories.

⁵⁴The total number of violations may count more than one violation per inspection, since some inspections may result in violations in more than one category. For example, during one inspection of a site, there may have been both an erosion control violation and a sediment control violation. For this reason, the total number of violations in this table may not match the total number of enforcement actions reported in Table C6.e.iii.1.e.

C.6.e.iii.2.e ► Construction Related Storm Water Enforcement Actions

	Enforcement Action (as listed in ERP) ⁵⁵	Number Enforcement Actions Issued	% Enforcement Actions Issued⁵⁶
Level 1 ⁵⁷	Warning Notice/Education (also includes Notices to Comply)	0	N/A
Level 2	Notice of Violation	0	N/A
Level 3	Formal Education (Administrative Penalties, Cost Recovery)	0	N/A
Level 4	Legal Action and/or Referral to State and Federal Agencies	0	N/A
Total		0	N/A

C.6.e.iii.2.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

⁵⁵Agencies should list the specific enforcement actions as defined in their ERPs.

⁵⁶Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.

⁵⁷For example, Enforcement Level 1 may be Verbal Warning.

C.6.e.iii.2.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/A⁵⁸
Violations (excluding verbal warnings) not fully corrected within 30 days after violations are discovered (C.6.e.iii.1.i)	0	N/A⁵⁹
Total number of violations (excluding verbal warnings) for the reporting year⁶⁰	0	N/A
Comments: No violations outside verbal warnings were recorded during the reporting period.		

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: The program has been effective. There were no violations recorded outside verbal warnings in FY 15-16, showing that contractors are largely in compliance. The City of Orinda has a small sample size due to a low volume of construction projects over 1 acre in size, but previous years show that contractors are quick to respond and comply when violations are recorded.

C.6.e.iii.(4) ► Evaluation of Inspection Program Effectiveness
Describe what appear to be your program's strengths and weaknesses, and identify needed improvements, including education and outreach.
Description: The City of Orinda contracts with the Contra Costa County Building Inspection Department for building inspection services, and as such, the County grading inspector conducts the stormwater quality inspections. Two grading inspectors have been designated to the City. The City's Stormwater Program Manager coordinates with the grading inspectors to develop a list of open grading and drainage permit projects in late summer prior to the onset of the rainy season. Refer to the C.6 Construction Site Control section of the CCCWP's FY 15-16 Annual Report for a description of activities at the countywide or regional level.

⁵⁸Calculated as number of violations fully corrected in a timely period after the violations are discovered divided by the total number of violations for the reporting year.
⁵⁹Calculated as number of violations not fully corrected within 30 days after the violations are discovered divided by the total number of violations for the reporting year.
⁶⁰The total number of violations reported in the table of Violation Correction Times equals the number of initial enforcement actions, i.e., this assumes one violation is issued for several problems during an inspection at a site. The total number of violations in the table of Violation Correction Times may not equal the total number of enforcement actions because one violation issued at a site may have a second enforcement action for the same violation at the next inspection if it is not corrected.

C.6.f ▶ Staff Training Summary				
Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance	
CCCWP Construction Inspection Training Workshop	June 14, 2016	<ol style="list-style-type: none"> 1. C.6 Requirements Overview – Highlights on the MRP 2.0 Requirements 2. Municipal Perspective - Hillside Project Policy 3. C.6 BMPs Tool Box & BMP Resources 4. MRP 2.0 and General Construction Permit Overlap and Differences 5. Inspections, Documentation, and Reporting 	County Building Department – 2	County Building Department – 100% of those assigned to Orinda inspections

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:
Refer to Section 7 in the CCCWP's FY 1516 Annual Report for summary of activities related to planning and development of an Outreach Campaign.

C.7.c. Stormwater Pollution Prevention Education

Local stormwater phone number(s)	Kelli Capka, Stormwater Program Manager, 925-253-4251
Local/Regional stormwater website(s)	City of Orinda: http://cityoforinda.org/index.asp?Type=B_BASIC&SEC={660E84A2-D108-4774-9058-D1CA4EA4F037} CCCWP: http://www.cccleanwater.org/

Outreach:
The City of Orinda advertises the Stormwater Program Manager's contact information on their website. The website also lists helpful links for items such as: C.3 Updates, the CCCWP website, How to Drain Your Pool or Spa, Blueprint for a Clean Bay, Caring for our Creek manual, Stormwater Issues, Watershed Characteristics, and Landscaping Stormwater Pollution Prevention Alternatives.
Refer to the CCCWP's FY 15-16 Annual Report, Section C.7 "Public Information and Outreach" for details on how the CCCWP maintains and publicizes the stormwater point of contact and provides stormwater pollution prevention education.

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
2016 Community Watershed Stewardship Grant Program	See Section C.7 of the CCCWP's FY 15-16 Annual Report for a full description of this program.	See Section C.7 of the CCCWP's FY 15-16 Annual Report for further details regarding the effectiveness of this program.
May 2016 "Bringing Back the Natives" Garden Tours	See Section C.7 of the CCCWP's FY 15-16 Annual Report for a full description of this event.	See Section C.7 of the CCCWP's FY 15-16 Annual Report for further details regarding the effectiveness of this event.
Our Water Our World (Tabling/Outreach Events at Stores)	See Section C.7 of the CCCWP's FY 15-16 Annual Report for a full description of this event.	See Section C.7 of the CCCWP's FY 15-16 Annual Report for further details regarding the effectiveness of this event.
Website: CCCleanWater.org Community Calendar	See Section C.7 of the CCCWP's FY 15-16 Annual Report for a full description of this program.	See Section C.7 of the CCCWP's FY 15-16 Annual Report for further details regarding the effectiveness of this program.
Website: MyGreenGarden.org (July 1, 2015 to December 31, 2015)	See Section C.7 of the CCCWP's FY 15-16 Annual Report for a full description of this program.	See Section C.7 of the CCCWP's FY 15-16 Annual Report for further details regarding the effectiveness of this program.
Orinda Farmer's Market (Saturday mornings, July 2015 through November 2015; March 2016 through July 2016)	City Council members and City staff set up a table at the weekly farmer's market from July through November 2015 and March through June 2016, and distribute outreach materials, including various clean water materials. Materials include but are not limited to creek-side owner's manual, CCCWP tote bags, rulers, seed packets, disposable pet bags, and various informative brochures (carpet cleaning and draining your pool BMPs, IPM techniques, shammies with car washing message, etc.)	Over 200 promotional and educational outreach items were distributed in FY 2015-2016 at the Farmer's Market. Attendance and effectiveness were comparable to last year but over a longer reach of time since the market now starts earlier in the spring as compared to last year.

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:
Refer to the CCCWP's FY 15-16 Annual Report, Section 7 Public Information and Outreach for a full description of the efforts and an evaluation of the Program's participation in the 2016 Community Watershed Stewardship Grant Program, May 2016 "Bringing Back the Natives" Garden Tours, Program Participation in the Contra Costa Watershed Forum, Green Business Program, and the use of the CCCleanWater.org Community Calendar.

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
<p>The City of Orinda sponsored "Kids for the Bay" in the local elementary schools</p>	<p>This program entailed professional development for two elementary school teachers, five classroom lessons for students and teachers, one full-day field trip to the Martinez Shoreline, and implementation of student-centered action projects. A curriculum guide, equipment kit, and ongoing support are also provided so that the trained teachers can continue to teach the program to future classes.</p>	<p>Two third-grade classes (one at Glorietta Elementary School and one at Del Rey Elementary school) for a total of two teachers, approximately 39 students and their families.</p>	<p>The final report for the 2015-2016 Kids for the Bay's Watershed Action Program indicated that the program was successful in teaching students about their local watershed, inspiring them to take action and improve the health of the watershed. The lessons learned inside and outside of the classroom allowed the students to gain a deeper understanding of how local waterway and bodies of water are linked to their own school and homes. The program also encouraged students to interview their family members and share what they learned with them. A summary of the program including lesson highlights, photographs, and sample work is not attached but can be provided upon request.</p>

<p>The City supported Mr. Funnelhead through the Used Oil Block Grant. For a detailed summary of all Mr. Funnelhead school assemblies, city/county fair events, and TV advertisements conducted countywide, please refer to Section C.7 of the CCCWP's FY 15-16 Annual Report.</p>	<p>See Section C.7 of the CCCWP's FY 15-16 Annual Report for a full description of this program.</p>	<p>See Section C.7 of the CCCWP's FY 15-16 Annual Report for further details.</p>	<p>See Section C.7 of the CCCWP's FY 15-16 Annual Report for an evaluation of effectiveness of this program.</p>
<p>"Be Classy Not Trashy" Youth Outreach Litter Campaign</p>	<p>See Section C.7 of the CCCWP's FY 15-16 Annual Report for a full description of this program.</p>	<p>See Section C.7 of the CCCWP's FY 15-16 Annual Report for further details.</p>	<p>See Section C.7 of the CCCWP's FY 15-16 Annual Report for an evaluation of effectiveness of this program.</p>

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?						<input checked="" type="checkbox"/> X	<input type="checkbox"/> Yes	<input type="checkbox"/> No
If no, explain:								
Report implementation of IPM BMPs by showing trends in quantities and types of pesticides used, and suggest reasons for increases in use of pesticides that threaten water quality, specifically organophosphates, pyrethroids, carbaryl, and fipronil. A separate report can be attached as evidence of your implementation.								
Trends in Quantities and Types of Pesticides Used⁶¹								
Pesticide Category and Specific Pesticide Used	Amount ⁶²							
	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21		
Organophosphates	N/A							
Pyrethroids	N/A							
Carbamates	N/A							
Fipronil	N/A							
Indoxacarb	Reporting not required in FY 15-16							
Diuron	Reporting not required in FY 15-16							
Diamides	Reporting not required in FY 15-16							
IPM Tactics and Strategies used:								

⁶¹Includes all municipal structural and landscape pesticide usage by employees and contractors.

⁶²Weight or volume of the product or preferably its 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.

The City of Orinda contracts out its pesticide management activities to MCE. In FY 15-16, the contractor did not apply any herbicides or pesticides containing the compounds listed in Table C.9.a.
 Two IPM tactics implemented in FY 15-16 include monitoring landscapes for weeds, and sealing holes and gaps in structures.

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.	0
Enter the number of these employees who received training on your IPM policy and IPM standard operating procedures within this reporting year.	0
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.	NA
Type of Training: The City of Orinda does not have any employees on staff that apply or use pesticides. Refer to the CCCWP's FY 2015/16 Annual Report, Section C.9 for details of the April 6, 2016 Bay Friendly Training Workshop for Municipalities.	

C.9.c ▶ Require Contractors to Implement IPM

Did your municipality contract with any pesticide service provider in the reporting year?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
If yes, briefly describe how contractor compliance with IPM Policy/Ordinance and SOPs was monitored Contract specifications for the City's Landscape Maintenance Services contract require adherence to the City's IPM Policy and Plan. The City previously had a month-to-month contract with a Contractor and entered into a three-year contract with a Contractor in September 2015. The previous contract and current contract require adherence to the City's IPM Policy and Plan. The City does not contract for any structural pest control. The contractor is required to submit a pesticide quarterly report of the City within 30 days from the end of each three-month period.				

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
<p>If yes, summarize the communication. If no, explain. Refer to the CCCWP's FY 15-16 Annual Report, Section C.9 Pesticide Toxicity Controls for a summary of the CCCWP's communication with Contra Costa County Agricultural Commissioner.</p>			
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
<p>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.</p>			

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.
<p>Summary: See the C.9 Pesticides Toxicity Control section of the CCCWP's FY 15-16 Annual Report for information on point of purchase public outreach conducted countywide and regionally.</p>

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.
<p>Summary: See the C.9 Pesticides Toxicity Control section of the CCCWPs FY 15-16 Annual Report for information on pest control contracting outreach conducted countywide and regionally.</p>

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's FY 15-16 Annual Report for a summary of public outreach to pest control operators and landscapers.

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 15-16, we participated in regulatory processes related to pesticides through contributions to the CCCWP, BASMAA and CASQA. For additional information, see the Regional Report submitted by BASMAA on behalf of all MRP Permittees.

Section 10 - Provision C.10 Trash Load Reduction

C.10.a.i ► Trash Load Reduction Summary	
For Population-based Permittees, provide 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.b i-iv and C.10.e.i-ii. Provide a discussion of the trash estimate below, including whether the applicable trash reduction performance guideline or deadline was attained. If not attained, include a discussion of next steps (e.g., development of a detailed plan or report of non-compliance).	
Trash Load Reductions	
Percent Trash Reduction in All Trash Management Areas (TMAs) due to Trash Full Capture Systems (as reported C.10.b.i)	8.3%
Percent Trash Reduction in all TMAs due to Control Measures Other than Trash Full Capture Systems (as reported in C.10.b.ii)	57.2%
Percent Trash Reduction due to Jurisdictional-wide Source Control Actions (as reported in C.10.b.iv)	0%
SubTotal for Above Actions	65.5%
Trash Offsets (Optional)	
Offset Associated with Additional Creek and Shoreline Cleanups (as reported in C.10.e.i)	0%
Offset Associated with Direct Trash Discharges (as reported in C.10.e.ii)	0%
Total Estimated % Trash Load Reduction in FY 15-16	65.5%
Discussion of Trash Load Reduction Estimate:	

C.10.a.iii ► Mandatory Trash Full Capture Systems		
Provide the following:		
1) Total number and types of full capture systems (publicly and privately-owned) installed prior to FY 15-16, during FY 15-16, and to-date, including inlet-based and large flow-through or end-of-pipe systems, and qualifying low impact development (LID) required by permit provision C.3.		
2) Total land area (acres) treated by full capture systems for population-based Permittees and total number of systems for non-population based Permittees compared to the total required by the permit.		
Type of System	# of Systems	Areas Treated (Acres)
Installed Prior to FY 15-16		
Connector Pipe Screens/Filters	4	7
LID Facilities	1	17
Installed in FY 15-16		
N/A	N/A	N/A
Total for all Systems Installed To-date		23
Treatment Acreage Required by Permit (Population-based Permittees)		7
Total # of Systems Required by Permit (Non-population-based Permittees)		

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

Provide the following:

- 1) Jurisdiction-wide trash reduction in FY 15-16 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) Since the effective date of MRP 2.0 (January 1, 2016), the percentage of systems 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	Summary of Maintenance Issues and Corrective Actions
1	0.0	5	0	The full capture devices are cleaned and maintained by the City's Public Works staff. In 2015-2016, staff cleaned the devices once in August 2015, once in January 2016, and once in May 2016. Maintenance records which include date, location, gallons of trash removed, condition, and description of dominant types of trash are kept up to date on an excel spreadsheet. It has not been attached, but can be provided upon request. The devices are currently in good condition and no maintenance/performance issues associated with the devices have been experienced.
2	0.0			
3	0.4			
4	1.3			
5	6.6			
6	0.0			
7	0.0			
8	0.0			
Total	8.3			

Certification Statement:

The City of Orinda certifies that a full capture system maintenance and operation program is currently being implemented to maintain all applicable systems in manner that meets the full capture system requirements included in the Permit.

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

Provide a summary of trash control actions other than full capture systems or jurisdictional source controls that were implemented within each TMA, including the types of actions, levels and areal extent of implementation, and whether actions are new, including initiation date.

TMA	Summary of Trash Control Actions Other than Full Capture Systems
1	N/A
2	<p>Enhanced street sweeping: The City of Orinda has increased street sweeping from 1x/month to 2x/month since MRP 1.0 Adoption.</p> <p>On-land trash cleanups: Public Works staff performs on-land trash clean-ups immediately following street sweeping, and the volume of trash collected is recorded every time so adjustments to frequency can be made if necessary.</p>
3	<p>Enhanced street sweeping: The City of Orinda performs street sweeping 1x/month in this TMA. However, long stretches of road do not have curb and street sweeping is ineffective in these areas.</p> <p>On-land trash cleanups: Public Works staff performs on-land trash clean-ups immediately following street sweeping, and the volume of trash collected is recorded every time so adjustments to frequency can be made if necessary.</p>
4	N/A
5	N/A
6	N/A
7	N/A
8	N/A

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 15-16 attributable to trash management actions other than full capture systems implemented in each TMA.

TMA ID <i>or (as applicable)</i> Control Measure Area	Total Street Miles or Acres Available for Assessment	Summary of On-land Visual Assessments			Jurisdictional-wide Reduction (%)
		Street Miles or Acres Assessed	% of Applicable Street Miles or Acres Assessed	Avg # of Assessments Conducted at Each Site	
1	0.0	0.0	0.0	0	0.0
2	1.9	0.6	29.6	2	22.9
3	3.7	0.9	22.8	2	34.3
4	0.0	0.0	0.0	0	0.0
5	0.0	0.0	0.0	0	0.0
6	0.0	0.0	0.0	0	0.0
7	0.0	0.0	0.0	0	0.0
8	0.0	0.0	0.0	0	0.0
Total		1.4	25.1	3	57.2

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

Provide a description of each jurisdictional-wide trash source control action implemented to-date. For each control action, identify the trash reduction evaluation method(s) used to demonstrate on-going reductions, summarize the results of the evaluation(s), and provide the associated reduction of trash within your jurisdictional area. Also include the total % reduction credit for all source controls up to the maximum 10% allowed by MRP 2.0.

Source Control Action	Summary Description & Dominant Trash Sources and Types Targeted	Evaluation/Enforcement Method(s)	Summary of Evaluation/Enforcement Results To-date	% Reduction	Total Reduction Credit (%)
N/A	N/A	N/A	N/A	N/A	0

C.10.c ▶ Trash Hot Spot Cleanups

Provide the FY 15-16 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 15-16.

Trash Hot Spot	New Site in FY 15-16 (Y/N)	FY 15-16 Cleanup Date(s)	Volume of Trash Removed (cubic yards)				
			FY 2011-12	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
ORI01	N	9/19/2015	1 CY	0.7 CY	0.4 CY	1.5 CY	1.5 CY

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), trash generation maps, control measures, or time schedules identified in your plan. Indicate whether your trash generation map was revised and is attached to your Annual Report.

Description of Significant Revision	Associated TMA
Public schools (K-12, community colleges, and public universities) have been reclassified as a non-jurisdictional land use. This includes all of TMA 8 for the City of Orinda. A new Baseline Trash Generation Rate map is attached reflecting this revision.	8

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 15-16. 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 15-16	Offset (Jurisdiction-wide Reduction %)
Additional Creek and Shoreline Cleanups (Max 10% Offset)	N/A	N/A	0
Direct Trash Discharge Controls (Max 15% Offset)	N/A	N/A	0

Appendix XX. Baseline trash generation and areas addressed by full capture systems and other control measures in Fiscal Year 15-16.

TMA	2009 Baseline Trash Generation (Acres)					Trash Generation (Acres) in FY 15-16 After Accounting for Full Capture Systems					Jurisdiction-wide Reduction via Full Capture Systems (%)	Trash Generation (Acres) in FY 15-16 After Accounting for Full Capture Systems <u>and</u> Other Control Measures					Jurisdiction-wide Reduction via Other Control Measures (%)	Jurisdiction-wide Reduction via Full Capture <u>AND</u> Other Control Measures (%)
	L	M	H	VH	Total	L	M	H	VH	Total		L	M	H	VH	Total		
1	7698	0	0	0	7698	7698	0	0	0	7698	0.0	7,698	0	0	0	7,698	0.0	0.0
2	0	0	20	0	20	0	0	20	0	20	0.0	16	2	2	0	20	22.9	22.9
3	0	0	30	0	30	0	0	30	0	30	0.4	13	17	0	0	30	34.3	34.7
4	2	22	0	0	23	6	18	0	0	23	1.3	6	18	0	0	23	0.0	1.3
5	31	63	0	0	94	51	44	0	0	94	6.6	51	44	0	0	94	0.0	6.6
6	27	0	0	0	27	27	0	0	0	27	0.0	27	0	0	0	27	0.0	0.0
7	0	10	0	0	10	0	10	0	0	10	0.0	0	10	0	0	10	0.0	0.0
8	0	5	0	0	5	0	5	0	0	5	0.0	0	5	0	0	5	0.0	0.0
Totals	7758	100	50	0	7907	7782	76	49	0	7907	8.3	7,810	95	2	0	7,907	57.2	65.5

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**
- C.11.d ► Prepare Implementation Plan and Schedule to Achieve TMDL Allocations**
- C.11.e ► Implement a Risk Reduction Program**

Summary:

A summary of countywide and regional accomplishments for these sub-provisions are included within the C.11 Mercury Controls section of the CCCWP's FY 15-16 Annual Report and/or BASMAA regional reports. This includes our list of watersheds and management areas where control measures are currently being implemented or will be implemented during the term of the permit in accordance with Provision C.11.a.iii.(2).

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**
- C.12.d ▶ Prepare Implementation Plan and Schedule to Achieve TMDL Allocations**
- C.12.e ▶ Evaluate PCBs Presence in Caulks/Sealants Used in Storm Drain or Roadway Infrastructure in Public Rights-of-Way**
- C.12.f ▶ Manage PCB-Containing Materials and Wastes During Building Demolition Activities So That PCBs Do Not Enter Municipal Storm Drains**
- C.12.g.▶ Fate and Transport Study of PCBs: Urban Runoff Impact on San Francisco Bay Margins**
- C.12.h ▶ Implement a Risk Reduction Program**

Summary:

A summary of Permittee, CCCWP, and BASMAA regional accomplishments for these sub-provisions are included within the C.12 PCB Controls section of the CCCWP's FY 15-16 Annual Report and/or BASMAA regional reports. This includes our list of watersheds and management areas where control measures are currently being implemented or will be implemented during the term of the permit in accordance with Provision C.12.a.iii.(2).

Section 13 - Provision C.13 Copper Controls

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

<p><i>(For FY 15-16 Annual Report only)</i> Do you have adequate legal authority to prohibit the discharge of wastewater to storm drains generated from the installation, cleaning, treating, and washing of copper architectural features, including copper roofs?</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/> Yes	<input type="checkbox"/>	<input type="checkbox"/> No
<p><i>(For FY 15-16 Annual Report only)</i> Provide a summary of how copper architectural features are addressed through the issuance of building permits.</p>				
<p>Summary: The City of Orinda has a brochure available to the public developed by the County Watershed Program entitled “Best Management Practices for Stormwater Pollutants of Concern – Mercury, Copper, and PCBs.” This brochure addresses proper management of copper architectural features including proper management of wash water and potential discharges from cleaning and treating copper architectural features. The City contracts with the Contra Costa County Building Department for building inspection services and this brochure is also available on the County website and counter. During FY 2015-2016, no copper or architectural features were reported to be installed, which is consistent with past years.</p>				
<p><i>(FY 15-16 Annual Report and each Annual Report thereafter)</i> 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.</p>				
<p>Summary: During FY 2015-2016, no copper or architectural features were reported to be installed, which is consistent with past years. Installation of copper architectural features are addressed in the building permitting process, for which the City contracts with the Contra Costa Building Department.</p>				

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

(For FY 15-16 Annual Report only) Do you have adequate legal authority to prohibit the discharge to storm drains of water containing copper-based chemicals from pools, spas, and fountains? X Yes No

(For FY 15-16 Annual Report only) Provide a summary of how copper-containing discharges from pools, spas, and fountains are addressed to accomplish the prohibition of the discharge.

Summary:
The City of Orinda has a brochure available on the Stormwater Management section of the website under a link titled “How to Drain Your Pool or Spa.” This brochure is also available at the front counter. The brochure highlights best practices and residents who inquire are directed to the brochure and directed to contact Contra Costa Central Sanitary District (CCCSD) to obtain a permit before draining their pool, spa, or fountain.

(FY 15-16 Annual Report and each Annual Report thereafter) Provide summaries of any enforcement activities related to copper-containing discharges from pools, spas, and fountains.

Summary:
There are no enforcement activities to report. All residents draining pools, spas, or fountains are directed to CCCSD to obtain a permit.

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:
The City of Orinda has no facilities identified as potential users or sources of copper.

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:

The City displays numerous outreach materials regarding water conserving irrigation practices and use of drought tolerant and native vegetation at City Hall and on the website. The City adheres to the State of California Landscape Code, California Code of Regulations, Title 23: Waters, Division 2. Department of Water Resources, Chapter 2.7, Model Water Efficient Landscape Ordinance. Various sections of the Orinda Municipal Code require drought tolerant or native vegetation (Chapter 18.04.010 Riparian habitat restoration, 17.17 Landscaping, and 17.3.4 Second Units). Likewise, the City's Hillside and Ridgeline Design Guidelines encourages the use of native trees and shrubs. The CCCWP co-sponsored the Bringing Back the Natives Garden Tour which encourages the use of drought-tolerant native landscaping (see further discussion of this event under C.7 above and C.7 of the CCCWP Annual Report). While addressed as an illicit discharge and included in the City's Enforcement Response Plan, no ongoing, large volume landscape irrigation runoff discharges were identified this fiscal year. The City's IPM Plan requires that the design of City-owned new landscapes be consistent with the IPM and include proper soil preparation/amendment, weed-free soil amendments, mulch to control weeds, smart irrigation management, alternative landscaping other than turf, native, drought-resistant plants, etc.

Additionally, the City of Orinda through the CCCWP promotes several programs and measures to minimize pollutant loading from excess irrigation including, but not limited to:

- **6th Edition Stormwater C.3 Guidebook adopted by ordinance, which promotes to land development professionals landscaping designed to 1) minimize irrigation and runoff, 2) promote infiltration of runoff where appropriate, and 3) minimize use of fertilizers and pesticides using pest-resistant plants that are suited to site conditions (e.g. soil and climate)**
- **Green Business Program, which promotes to businesses a variety of measures such as using drought tolerant plantings, mulching, carefully monitoring irrigation schedules and needs, and implementing Integrated Pest Management.**
- **Our Water Our World (OWOW) Program, which promotes to consumers and the point of purchase less toxic alternatives to combating lawn and garden pests.**
- **Bay Friendly Landscaping and Gardening Training and Certification Program, which promotes to landscapers a variety of measures designed to reduce waste and prevent stormwater pollution.**

Attachment C.5.c.iii

Website

C.5.c.iii → Complaint and Spill Response Phone Number

← → cityoforinda.org/index.asp?Type=B_BASIC&SEC={1D8F1996-24C9-47DB-82AE-F8F8D49263FD} ☆

ORINDA

California

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Departments	<h2>Stormwater Management and Erosion Control Plans</h2> <h3>Clean Water Program</h3> <p>In 1972, the Federal Water Pollution and Control Act was enacted. In 1987, it was amended and is currently known as the Clean Water Act (CWA). In accordance with CWA amendments, regulations require municipalities to obtain National Pollutant Discharge Elimination System (NPDES) permits which outline programs and activities to control surface stormwater pollution. For municipalities, such as the City of Orinda, the type of pollution that must be eliminated or reduced to the maximum extent practicable is called "non-point" pollution, consisting of all types of substances generated as a result of urbanization (e.g. pesticides, fertilizers, automobile fluids, sewage, litter, etc.).</p> <p>To comply with these regulations, Contra Costa County, nineteen of its incorporated cities and the Contra Costa Flood Control & Water Conservation District joined together in 1993 to form the Contra Costa Clean Water program (CCCWP). The CCCWP strives to eliminate stormwater pollution through public education, inspection and enforcement activities and industrial outreach.</p> <p>The San Francisco Bay Regional Water Quality Control Board adopted a Municipal Regional Permit (MRP) on October 14, 2009 as the NPDES permit. The MRP consolidates and updates stormwater pollution prevention requirements for Bay Area municipalities. New requirements are phased in through 2012.</p> <p>Permit requirements include performing field inspections (storm drain system, commercial businesses, construction sites, and illicit connections), conducting education outreach activities (creek cleanups, K-12 education, storm drain stenciling), implementing Integrated Pest Management techniques, water quality monitoring, and installation of full trash capture devices.</p> <p>The CCCWP website has information regarding the various programs in place to ensure compliance with the NPDES permit.</p> <h3>C.3 Requirements</h3>	 <p>Contact Information</p> <p>Kelli Capka Stormwater Program Manager</p> <p>kcapka@cityoforinda.org</p> <p>PH: 925.253.4251 FX: 925.254.2068 22 Orinda Way Orinda, CA 94563</p> <p>To report illegal dumping or a spill, call 1-800-DUMPING (1-800-663-8674).</p> <p>If you are aware of an emergency and need immediate response call 911.</p>
Employment Opportunities/ Human Resources		
General Plan and Housing Element		
Roads & Infrastructure		
City Council		
City Commissions and Committees		
Codes, Ordinances & Fees		
The Orinda Way Newsletter		
Community Links		
Sister City Labor		
Disclaimer		
In Departments:		
Police Department		
City Clerk		
City Manager		
Finance		
Parks & Recreation		
Planning Department		
Public Works & Engineering Services		
Current Project Information		
Drainage and Creek Maintenance		
Frequently Asked Questions		

Quick Links
C.3 Fact Sheet



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In Departments:

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- [City Clerk](#)
- [City Manager](#)
- [Finance](#)
- [Parks & Recreation](#)
- [Planning Department](#)
- [Public Works & Engineering Services](#)
- [Current Project Information](#)
- [Drainage and Creek Maintenance](#)
- [Frequently Asked Questions](#)
- [Graffiti Removal](#)
- [Pothole Repair and Pavement Management](#)

Frequently Asked Questions

How can a resident request pothole repair?

Requests for pothole repair should be directed to the Public Works Department at 253-4231 or [click here](#) to e-mail the information. Please include the exact location and nature/extent of the problem.

What can the City do regarding overgrown vegetation along the roadside?

Property owners are responsible for maintaining minimum clearances on trees and shrubbery. Concerns regarding vegetation may be reported directly to the Public Works Department at 253-4231 or [click here](#) to e-mail the information. The maintenance crew will be dispatched to assess the situation and will issue trimming notices if necessary.

Is a permit required to remove a tree?

Permit requirements depend upon the species and size of the tree, location, or development status of the parcel in question. Obtain further information from the Planning Department at 253-4210. If work is being done in the street or right-of-way, an Encroachment Permit may be required. To obtain an Encroachment Permit, contact the Public Works Department at 253-4231 or [click here](#) to e-mail the Public Works Inspector.

Is a permit required to replace/install a driveway?

An Encroachment Permit is generally required whenever a driveway is replaced or installed. To obtain an Encroachment Permit, contact the Public Works Department at 253-4231 or [click here](#) to e-mail the Public Works Inspector.

Does the City repair or replace drain pipes/storm drains on private property?

With rare exceptions, drain pipes/storm drains on private property are the property owner's responsibility. Unless the deed specifies that a Drainage Easement for this facility was offered to, and accepted by the City (or County prior to 1985), maintenance of the drainage structure is the property owner's responsibility. To obtain further information, contact the Public Works

Quick Links

Public Works and Engineering Services
(925) 253-4231

After Hours Emergency
(925) 646-2441

To Report Illegal Dumping or a Spill
1-800-NO DUMPING
(1-800-663-8674)

Orinda Police Department
Inquiries between 8:00am to 5:00pm
PH: (925) 254-6820

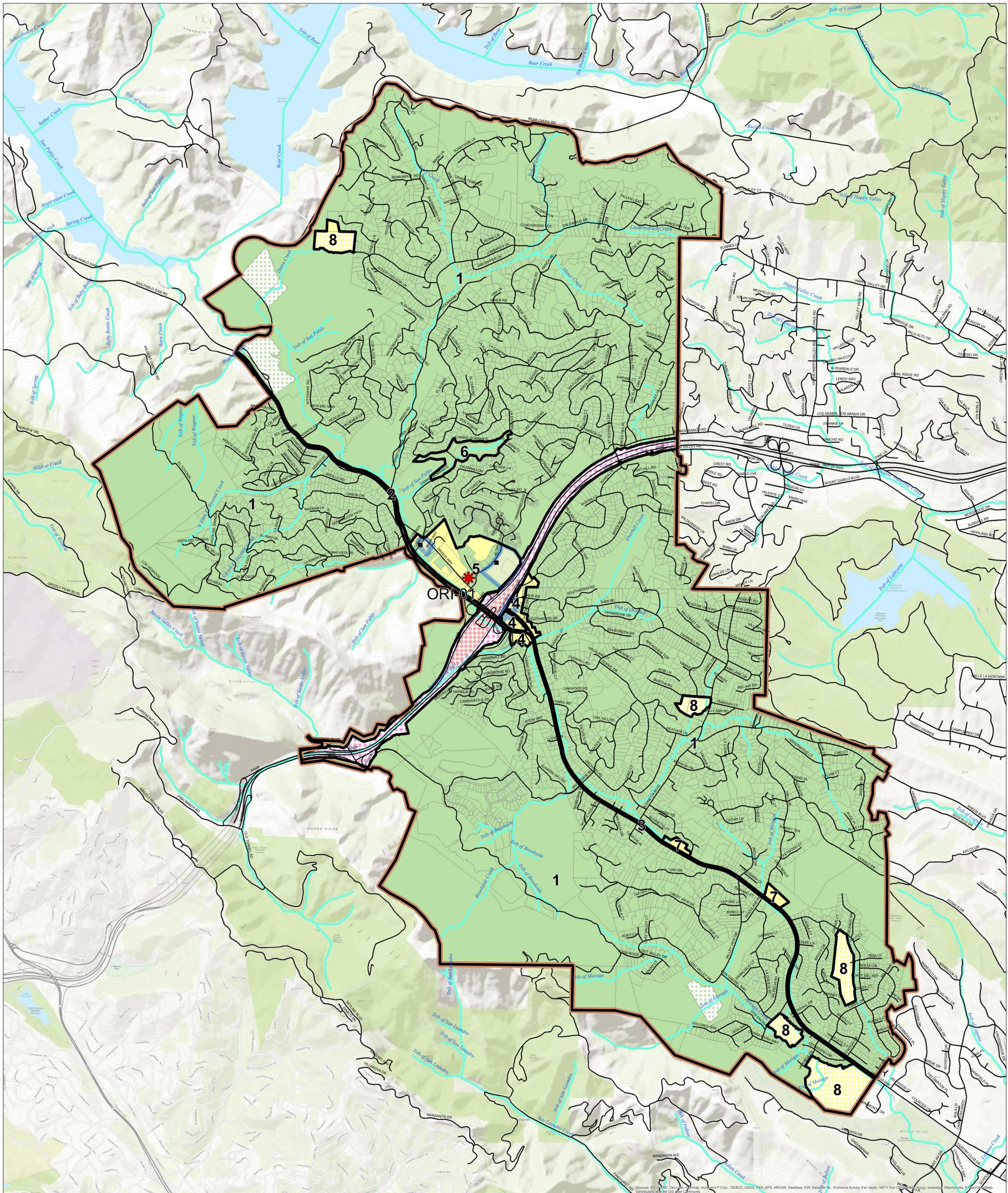
Police dispatch (24 Hours)
(925) 284-5010
Dial 911 for emergency

Planning & Building
PH: (925)253-4210

Parks & Recreation
PH: (925)254-2445

Utility Services

Attachment C.9.d



ORINDA Full Trash Capture and Trash Management Area Map

Trash Generation Category	Creek/Shoreline Hotspot	Streets
Low	Trash Management Area	Agency Boundary
Medium	Full-Capture Location	Creeks
High	Full Trash Capture	Parcel Boundary
Very High	Non-Jurisdictional (Dot color = Generation Category)	

0 0.2 0.4 0.8 Miles



Information contained on these maps is for the sole purpose of the Contra Costa Clean Water Program. Accuracy of the data is not guaranteed.

Map Created By CCCWP GIS

8/30/2016