City Council

Mike Anderson, Mayor
Susan Candell, Vice Mayor
Steven Bliss, Council Member
Cameron Burks, Council Member
Teresa Gerringer, Council Member

September 3, 2020

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

Dear Mr. Montgomery:

Enclosed is the Fiscal Year 2019-2020 Annual Report for the City of Lafayette, 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.

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.

Very truly yours,

Niroop K. Srivatsa

Niroop Srivatsa
City Manager

Enclosure

3675 Mount Diablo Boulevard, Suite 210, Lafayette, CA 94549
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## Section 1 – Permittee Information

| Background Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Permittee Name:** | City of Lafayette | | | | | | |
| **Population:** | | | | | | | |
| **NPDES Permit No.:** | CAS612008 | | | | | | |
| **Order Number:** | R2-2015-0049 | | | | | | |
| **Reporting Time Period (month/year):** | July 2019 through June 2020 | | | | | | |
| **Name of the Responsible Authority:** | Niroop Srivatsa | | | | **Title:** | City Manager | |
| **Mailing Address:** | 3675 Mount Diablo Boulevard | | | | | | |
| **City:** | Lafayette | **Zip Code:** | 94597 | **County:** | Contra Costa | | |
| **Telephone Number:** | 925-284-1968 | | **Fax Number:** | | 925-284-3169 | | |
| **E-mail Address:** | nsrivatsa@ci.lafayette.ca.us | | | | | | |
| **Name of the Designated Stormwater Management Program Contact** (if different from above): | Matt Luttropp | | | **Title:** | Engineering Services Manager | | |
| **Department:** | Engineering and Public Works | | | | | | |
| **Mailing Address:** | 3675 Mount Diablo Boulevard, Suite 210 | | | | | | |
| **City:** | Lafayette | **Zip Code:** | 94597 | **County:** | Contra Costa | | |
| **Telephone Number:** | 925-299-3247 | | **Fax Number:** | | 925-284-3169 | | |
| **E-mail Address:** | mlutttropp@ci.lafayette.ca.us | | | | | | |

## Section 2 – Provision C.2 Reporting Municipal Operations

**Program Highlights and Evaluation**
Highlight/summarize activities for reporting year:

Summary:

The City of Lafayette's Department of Public Works contracts for most of its municipal maintenance operations. The City requires compliance with all current clean water permit requirements. The City participates with the Contra Costa Clean Water Program (CCCWP) by participating in numerous joint county-wide and regional programs and activities. The City's Engineering Services Manager is the primary voting member and participates on the CCCWP Management and Development Committees. Designated back-up participant to the Management Committee is Donna Feehan, Public Works Manager.

Lafayette Library and Learning Center operations and maintenance are overseen by the City's Building Superintendent and Public Works Manager, Parks and Trails maintenance is overseen by the Parks Maintenance Supervisor and Parks, Trails, and Recreation Director, and Community Center operations are managed by the Parks, Trails, and Recreation Director.

The City's new development and redevelopment activities are managed by the Planning and Building Director and the Director of Engineering and Public Works. City activities are reported with the C.3 section of the Annual Report. Construction Site Controls are contracted for through Contra Costa County Building Inspection by the Planning and Building Director.

Contra Costa Sanitary District (CCCSD) perform business and stormwater inspections as contracted by the City and CCCWP. Other City Maintenance activities are primarily managed by the Public Works Department for stormwater pollution prevention and reporting such activities as required by the Municipal Regional Permit.

On February 11, 2020 the Engineering Services Manager and an Associate Planner attended the Stormwater C.3 Compliance Workshop. "Planning, Design, and Construction of Low Impact Development Features and Facilities" sponsored by the CCCWP.

See the C.2 Municipal Operations section of the CCCWP's FY 19-20 Annual Report for a detailed description of activities implements 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: None

## 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: None

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

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

| | |
|---|---|
| Y | Control of discharges from bridge and structural maintenance activities directly over water or into storm drains |
| Y | Control of discharges from graffiti removal activities |
| Y | Proper disposal for wastes generated from bridge and structure maintenance and graffiti removal activities |
| 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. |
| Y | Contract specifications requiring proper capture and disposal methods for wastes generated from bridge and structural maintenance and graffiti removal activities. |

Comments: None

## C.2.e. ►Rural Public Works Construction and Maintenance

| | | | | |
|---|---|---|---|---|
| Does your municipality own/maintain rural[1] roads: | | **Yes** | X | **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.

| | |
|---|---|
| | Control of road-related erosion and sediment transport from road design, construction, maintenance, and repairs in rural areas |
| | Identification and prioritization of rural road maintenance based on soil erosion potential, slope steepness, and stream habitat resources |
| | No impact to creek functions including migratory fish passage during construction of roads and culverts |
| | Inspection of rural roads for structural integrity and prevention of impact on water quality |
| | Maintenance of rural roads adjacent to streams and riparian habitat to reduce erosion, replace damaging shotgun culverts and excessive erosion |
| | Re-grading of unpaved rural roads to slope outward where consistent with road engineering safety standards, and installation of water bars as appropriate |
| | 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: N/A

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

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

Place an **X** in the boxes below that apply to your corporation 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 |
| X | 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:

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

Comments:

The City of Lafayette has two corporation yards, one located at the Public Works Yard and one located at a city park. Public Works manages contractors working from the Public Works Yard, and Public Works staff oversees stormwater pollution prevention activities. The majority of maintenance activities that occurred in FY 19-20 were contracted with TerraCare. The TerraCare Maintenance Foreman is trained in stormwater pollution prevention and oversees and provides training for additional maintenance staff. The purpose of the Corporation Yard SWPPPs is to prevent contaminants that might be generated from maintenance activities from entering the storm drain system and reaching City creeks. This is accomplished by identifying potential stormwater pollutants and describing and implementing best management practices (BMPs).

The Public Works Corporation Yard consists of a parking lot, workshop building, a modular building that is used as an office, and a small storage shed. The workshop building is kept locked and contains storage cabinets in which small amounts of fuel, paint, and vehicle oils are safely stored. The storage shed, which houses herbicide and non-chemical supplies, is kept locked. Good housekeeping practices are maintained with spills promptly cleaned up. Drainage from the site is directed toward a grassy swale which drains to a rain garden at the back of the corporation yard. Vehicles are maintained offsite.

The Parks Corporation Yard has a contained storage unit and covered areas for storage of other materials. Any spills are cleaned up promptly and kept from entering storm drains or creeks.

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

| Corporation Yard Name | Corp Yard Activities w/ site-specific SWPPP BMPs | Inspection Date[2] | Inspection Findings/Results | Date and Description of Follow-up and/or Corrective Actions |
|---|---|---|---|---|
| Public Works | General housekeeping, outdoor material storage; outdoor waste/recycling storage; municipal vehicle/heavy equipment parking; employee parking. | 9-10-19 | Inspection performed by CCCSD. Corporation yard is in good condition. No corrective work required. | No corrective work required. |
| Parks | General housekeeping, outdoor material storage; municipal vehicle/equipment parking. | 9-10-19 | Inspection performed by CCCSD. Corporation yard is in good condition. | No corrective work required. |

[2] Minimum inspection frequency is once a year during September.

## Section 3 – Provision C.3 Reporting New Development and Redevelopment

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

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

See attached table C.3.b.iv.(2) for list of regulated projects

### 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.? | X | **Yes** | | **No** |
| Comments (optional): | | | | |

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

| | | | | |
|---|---|---|---|---|
| 1. In FY 2019-20, 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 2019-20, 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.

## 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.

See attached Table C.3.h.v.(2) for list of newly installed Stormwater Treatment Systems. No HM controls have been installed to date.

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

| Site Inspections Data | Number/Percentage |
|---|---|
| Total number of Regulated Projects (including offsite projects, and Regional Projects) in your agency's database or tabular format at the end of the previous fiscal year (FY18-19) | **13** |
| Total number of Regulated Projects (including offsite projects, and Regional Projects) in your agency's database or tabular format at the end of the reporting period (FY 19-20) | **18** |
| Total number of Regulated Projects (including offsite projects, and Regional Projects) for which O&M verification inspections were conducted during the reporting period (FY 19-20) | 2 |
| Percentage of the total number of Regulated Projects (including offsite projects, and Regional Projects) inspected during the reporting period (FY 19-20) | 15.38 |

## 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:

| |
|---|
| Inspections were conducted by the Contra Costa County Building Inspection department per approved O&M plans and no irregularities were found. No projects have been constructed with HM controls. |
| 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:<br>O&M program appears to be functioning as designed. No changes are proposed at this time. |

## 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. |
| Applicants for development approvals for projects creating or replacing more than 2,500 square feet but less than 10,000 square feet of impervious area, and single family homes creating or replacing more than 2,500 square feet of impervious area, are required to submit a Stormwater Control Plan for a Small Land Development Project that meets the criteria in Appendix C of the Contra Costa Clean Water Program's *Stormwater C.3 Guidebook, 7th Ed.* Appendix C includes minimum specifications for runoff reduction measures. |

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

| |
|---|
| On an annual basis, provide a summary of your agency's outreach and education efforts pertaining to Green Infrastructure planning and implementation. |
| Summary:<br><br>Please refer to the CCCWP's FY 19-20 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 Engineer has reviewed and is using the BASMAA May 6,2016 document, "Guidance for Identifying Green Infrastructure Potential in Municipal Capital Improvement Projects".

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, and any additional notes provided here.

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

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

Please refer to CCCWP's FY 19-20 Annual Report 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) and (3) ► Tracking and Reporting Progress

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

Please refer to CCCWP's FY 19-20 Annual Report Section 3 for: (1) a summary of methods being developed to track and report implementation of green infrastructure measures; and (2) a report on green infrastructure measures implemented to date.

## 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[4], Street Address | Name of Developer | Project Phase No.[5] | Project Type & Description[6] | Project Watershed[7] | Total Site Area (Acres) | Total Area of Land Disturbed (Acres) | Total New Impervious Surface Area ($ft^2$)[8] | Total Replaced Impervious Surface Area ($ft^2$)[9] | Total Pre-Project Impervious Surface Area[10] ($ft^2$) | Total Post-Project Impervious Surface Area[11] ($ft^2$) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Private Projects** | | | | | | | | | | | |
| West End | 3721 Mt. Diablo Blvd | 3721 Land, LLC | NA | 12-unit condominium | Lafayette Creek | 0.30 | 0.24 | 278 | 9,752 | 10,591 | 9,885 |
| 100 Lafayette Circle | 100 Lafayette Circle | Madigan & Son | NA | Two-story office and retail building | Lafayette Creek | 0.37 | 0.32 | 14,361 | 18,735 | 18,735 | 14,361 |
| Louie Residence | 3624 Chestnut Street | Jeff Randolph | NA | 5 attached townhomes | Lafayette Creek | 0.27 | 0.27 | 0 | 7,588 | 9,188 | 7,588 |
| Breslin Residence | 1203 Franklin Lane | Branagh Development | NA | Single-family residence | Happy Valley Creek | 0.92 | 0.77 | 14,100 | 0 | 0 | 14,100 |
| Contra Costa Jewish Day School Playground and Parking Lot | 955 Risa Road | Dean Goldfein | NA | Sports Court and walkway construction | Lafayette Creek | 10.73 | 0.287 | 391 | 1,810 | 1,810 | 2,201 |
| **Public Projects** | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

Comments:
**Guidance: If necessary, provide any additional details or clarifications needed about listed projects in this box. Do not leave any cells blank.**

[4]Include cross streets
[5]If a project is being constructed in phases, indicate the phase number and use a separate row entry for each phase. If not, enter "NA".
[6]Project Type is the type of development (i.e., new and/or redevelopment). Example descriptions of development are: 5-story office building, residential with 160 single-family homes with five 4-story buildings to contain 200 condominiums, 100 unit 2-story shopping mall, mixed use retail and residential development (apartments), industrial warehouse.
[7]State the watershed(s) in which the Regulated Project is located. Downstream watershed(s) may be included, but this is optional.
[8]All impervious surfaces added to any area of the site that was previously existing pervious surface.
[9]All impervious surfaces added to any area of the site that was previously existing impervious surface.
[10]For redevelopment projects, state the pre-project impervious surface area.
[11]For 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[12] | Application Final Approval Date[13] | Source Control Measures[14] | Site Design Measures[15] | Treatment Systems Approved[16] | Type of Operation & Maintenance Responsibility Mechanism[17] | Hydraulic Sizing Criteria[18] | Alternative Compliance Measures[19/20] | Alternative Certification[21] | HM Controls[22/23] |
|---|---|---|---|---|---|---|---|---|---|---|
| **Private Projects** | | | | | | | | | | |
| West End | 10/25/2019 | 5/22/2020 | Efficient landscape irrigation systems, trash storage areas clearly labeled with "No Hazardous Materials", "No dumping - drains to bay" markings at each stormwater drain inlet | Construct walkways and patios with permeable pavers, minimize impervious surfaces | Bio-retention basin and infiltration planters | O&M Agreement with Developer on behalf of the HOA | C.3.d.2.c Volume using 2in/hr. rainfall | N/A | Yes | County IMP Sizing Tool: Detention basins |
| 100 Lafayette Circle | 2/13/2020 | 6/1/2020 | Efficient landscape irrigation systems, "No dumping drains to bay" markings at each stormwater drain inlet | Construct walkways and parking spaces with permeable pavers | Infiltration planters | O&M Agreement with Developer | C.3.d.2.c Volume using 2in/hr. rainfall | N/A | Yes | County IMP Sizing Tool: Detention basins |
| Louie Residence | 6/18/2018 | 7/6/2018 | "No dumping – drains to creek" markings each stormwater drain inlet. Dumpsters and receptables | Minimize impervious surfaces and increase landscaped areas | Bio-retention basin | O&M Agreement with Developer | C.3.d.2.c Volume using | N/A | Yes | County IMP Sizing Tool: Detention basins |

[12]For private projects, state project application deemed complete date. If the project did not go through discretionary review, report the building permit issuance date.
[13]For private projects, state project application final discretionary approval date. If the project did not go through discretionary review, report the building permit issuance date.
[14]List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.
[15]List site design measures approved for the project. Examples include: minimize impervious surfaces; conserve natural areas, including existing trees or other vegetation, and soils; construct sidewalks, walkways, and/or patios with permeable surfaces, etc.
[16]List all approved stormwater treatment system(s) to be installed onsite or at a joint stormwater treatment facility (e.g., flow through planter, bioretention facility, infiltration basin, etc.).
[17]List the legal mechanism(s) (e.g., O&M agreement with private landowner; O&M agreement with homeowners' association; O&M by public entity, etc…) that have been or will be used to assign responsibility for the maintenance of the post-construction stormwater treatment systems.
[18]See Provision C.3.d.i. "Numeric Sizing Criteria for Stormwater Treatment Systems" for list of hydraulic sizing design criteria. Enter the corresponding provision number of the appropriate criterion (i.e., 1.a., 1.b., 2.a., 2.b., 2.c., or 3).
[19]For Alternative Compliance at an offsite location in accordance with Provision C.3.e.i.(1), on a separate page, give a discussion of the alternative compliance site including the information specified in Provision C.3.b.v.(1)(m)(i) for the offsite project.
[20]For Alternative Compliance by paying in-lieu fees in accordance with Provision C.3.e.i.(2), on a separate page, provide the information specified in Provision C.3.b.v.(1)(m)(ii) for the Regional Project.
[21]Note whether a third party was used to certify the project design complies with Provision C.3.d.
[22]If HM control is not required, state why not.
[23]If HM control is required, state control method used (e.g., method to design and size device(s) or method(s) used to meet the HM Standard, and description of device(s) or method(s) used, such as detention basin(s), biodetention 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[12] | Application Final Approval Date[13] | Source Control Measures[14] | Site Design Measures[15] | Treatment Systems Approved[16] | Type of Operation & Maintenance Responsibility Mechanism[17] | Hydraulic Sizing Criteria[18] | Alternative Compliance Measures[19/20] | Alternative Certification[21] | HM Controls[22/23] |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | covered, grade and paved to prevent run-on and runoff. | | | | 2in/hr. rainfall | | | |
| Breslin Residence | 9/11/2017 | 9/25/2017 | Design landscaping to minimize irrigation and runoff, minimize the use of fertilizers and pesticides | Minimize impervious surfaces and construct pathways with permeable materials | Bio-retention basin | O&M Agreement with Developer | C.3.d.2.c Volume using 2in/hr. rainfall | N/A | Yes | County IMP Sizing Tool: Detention basins |
| Contra Costa Jewish Day School Playground and Parking Lot | 3/29/2017 | 4/17/2017 | "No dumping - drains to bay" markings at each stormwater drain inlet | Construct parking area / sports court of pervious pavement | Disperse runoff to vegetated area and use pervious pavement | O&M Agreement with Developer (modified prior agreement) | C.3.d.2.c Volume using 2in/hr. rainfall | n/a | yes | County IMP Sizing Tool: Detention basins |
| | | | | | | | | | | |

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

| Project Name Project No. | Approval Date[24] | Date Construction Scheduled to Begin | Source Control Measures[25] | Site Design Measures[26] | Treatment Systems Approved[27] | Operation & Maintenance Responsibility Mechanism[28] | Hydraulic Sizing Criteria[29] | Alternative Compliance Measures[30/31] | Alternative Certification[32] | HM Controls[33/34] |
|---|---|---|---|---|---|---|---|---|---|---|
| **Public Projects** | | | | | | | | | | |
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| | | | | | | | | | | |

Comments:

**Guidance: If necessary, provide any additional details or clarifications needed about listed projects in this box. Note that MRP Provision C.3.c. contains specific requirements for LID site design and source control measures, as well as treatment measures, for <u>all</u> Regulated Projects. Entries in these columns should not be "None" or "NA". Do not leave any cells blank.**

[24]For public projects, enter the plans and specifications approval date.
[25]List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.
[26]List site design measures approved for the project. Examples include: minimize impervious surfaces; conserve natural areas, including existing trees or other vegetation, and soils; construct sidewalks, walkways, and/or patios with permeable surfaces, etc.
[27]List all approved stormwater treatment system(s) to be installed onsite or at a joint stormwater treatment facility (e.g., flow through planter, bioretention facility, infiltration basin, etc.).
[28]List the legal mechanism(s) (e.g., maintenance plan for O&M by public entity, etc.) that have been or will be used to assign responsibility for the maintenance of the post-construction stormwater treatment systems.
[29]See Provision C.3.d.i. "Numeric Sizing Criteria for Stormwater Treatment Systems" for list of hydraulic sizing design criteria. Enter the corresponding provision number of the appropriate criterion (i.e., 1.a., 1.b., 2.a., 2.b., 2.c., or 3).
[30]For Alternative Compliance at an offsite location in accordance with Provision C.3.e.i.(1), on a separate page, give a discussion of the alternative compliance site including the information specified in Provision C.3.b.v.(1)(m)(i) for the offsite project.
[31]For Alternative Compliance by paying in-lieu fees in accordance with Provision C.3.e.i.(2), on a separate page, provide the information specified in Provision C.3.b.v.(1)(m)(ii) for the Regional Project.
[32]Note whether a third party was used to certify the project design complies with Provision C.3.d.
[33]If HM control is not required, state why not.
[34]If HM control is required, state control method used (e.g., method to design and size device(s) or method(s) used to meet the HM Standard, and description of device(s) or method(s) used, such as detention basin(s), biodetention unit(s), regional detention basin, or in-stream control).

## C.3.h.v.(2). ►Table of Newly Installed[35] Stormwater Treatment Systems and Hydromodification Management (HM) Controls (Optional)

Fill in table below or attach your own table including the same information. **Guidance: The table is intended to provide a list of all newly installed treatment measures and HM controls to vector control agencies on an annual basis before the wet season (i.e., October 1). CCCWP will compile and submit these tables to vector control agencies to fulfill this requirement. The facility name, address, responsible party and type of treatment/HM control should be provided for all facilities installed during this fiscal year. Do not leave any cells blank.**

| Name of Facility | Address of Facility | Party Responsible[36] For Maintenance | Type of Treatment/HM Control(s) |
|---|---|---|---|
| Lenox Homes TR9425 | 954 Mountain View Drive | HOA | Bio-Retention Basin |
| Townsend Place MS502-15 | 4,5,8,9 Townsend Place | HOA | Bio-Retention Basin |
| Contra Costa Jewish Day School Playground and Parking Lot | 945-955 Risa Road | Property Owner | Bio-Retention Basin |
| Breslin Residence | 1040 Franklin Lane | Property Owner | Bio-Retention Basin |
| | | | |
| | | | |

[35] "Newly Installed" includes those facilities for which the final installation inspection was performed during this reporting year.
[36] State the responsible operator for installed stormwater treatment systems and HM controls.

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

**Reporting Period – July 1 2019 - June 30, 2020**

| Project Name & No. | Permittee | Address | Application Submittal Date[37] | Status[38] | Description[39] | Site Total Acreage | Gross Density DU/Acre | Density FAR | Special Project Category[40] | LID Treatment Reduction Credit Available[41] | List of LID Stormwater Treatment Systems[42] | List of Non-LID Stormwater Treatment Systems[43] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| The City of Lafayette had no Special Projects during the reporting period. | | | | | | | | | | | | |

## Special Projects Narrative

[37]Date that a planning application for the Special Project was submitted.
[38] 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.
[39]Type of project (commercial, mixed-use, residential), number of floors, number of units, type of parking, and other relevant information.
[40] For each applicable Special Project Category, list the specific criteria applied to determine applicability. For each non-applicable Special Project Category, indicate n/a.
[41]For each applicable Special Project Category, state the maximum total LID Treatment Reduction Credit available. For Category C Special Projects also list the individual Location, Density, and Minimized Surface Parking Credits available.
[42]**:** 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.
[43]List all non-LID stormwater treatment systems proposed. For each type of non-LID treatment system, indicate: (1) the percentage of the total amount of runoff identified in Provision C.3.d. for the Special Project's drainage area, and (2) whether the treatment system either meets minimum design criteria published by a government agency or received certification issued by a government agency, and reference the applicable criteria or certification.

## 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] |
|---|---|---|---|---|
| | | | | |
| Pleasant Hill Road Repaving Project | Perform spot pavement repairs and overlay the existing roadway | Construction | No | GI is not practical due to the limited scope of work and lack of necessary infrastructure (water for irrigation) |
| 2020 City-wide road repaving Project | Perform spot pavement repairs and overlay the existing roadway | Construction | No | GI is not practical due to the limited scope of work and lack of necessary infrastructure (water for irrigation) |
| 2020 Storm Drain Replacement Project (project was formerly 2019 Storm Drain Project) | Replace isolated failing metal storm drain pipes (no increase in diversion in capacity or watershed size) | Planning/Design | No | GI is not practical due to the limited scope of work and lack of necessary infrastructure (water for irrigation) |

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

| Project Name and Location[48] | Project Description | Planning or Implementation Status | Green Infrastructure Measures Included |
|---|---|---|---|
| | | | |
| Golden Gate Way at First Street Rain Garden | Construct bio-retention facilities with viewing area and pedestrian access | Design, Construction anticipated in 2020 | The project drains concrete sidewalks and asphalt parking and roadway improvements to bio-retention areas. |

[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.
[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:

Central Contra Costa Sanitary District provides inspection services for the City of Lafayette and provides data tracking and reporting as required by the MRP. The City's business inspection plan and facilities lists have been updated for the 2020/2021 fiscal year. See details of inspection activities below.

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

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

See "Attachment A"

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

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

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

| | Number |
|---|---|
| Total number of inspections conducted (C.4.d.iii.(2)(a)) | 29 |
| Violations, enforcement actions, or discreet number of potential and actual discharges resolved within 10 working days or otherwise deemed resolved in a longer but still timely manner (C.4.d.iii.(2)(c)) | 3 |

Comments:

No NOVs were issued. The three (3) warnings that were issued were resolved within ten (10) calendar days.

Provision C.4.d. requires industrial & commercial business inspections, and subsequent enforcement, if necessary. However, field work increases risk of person-to-person contact and inspection protocols had to be modified. Additionally, many facilities requiring inspections were not open in the March – June 2020 time period, and facility managers were unavailable due to work from home mandates and diversion to other essential operations duties. After an initial disruption of work, inspections have been resumed with use of appropriate protective measures, such as social distancing and use of face masks and have reported on inspections completed in FY 2019/20. Any facility inspections planned for FY 2019/20 that were not completed have been added to the FY 2020/21 inspection lists. Follow-up inspections were performed as soon as reasonable and

followed Health Order guidance for those requiring enforcement. The planned schedule based on our Business Inspection Plan was disrupted, but work has been done to develop a schedule to complete appropriate number of inspections in FY20/21.

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

Fill out the following table or attach a summary of the following information. **Do not leave any cells blank Provide a brief description of each enforcement action level (e.g., verbal warning, notice of violation, legal action, etc.).**

| | **Enforcement Action** (as listed in ERP)[49] | **Number of Enforcement Actions Taken** |
|---|---|---|
| Level 1 | Verbal warning and/or written warning notice and education | 3 |
| Level 2 | Notice of violation | 0 |
| Level 3 | Formal enforcement (administrative penalties/cost recovery) | 0 |
| Level 4 | Legal action and/or referral to state or federal agencies | 0 |
| **Total** | | 3 |

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

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

| **Business Category**[50] | **Number of Actual Discharges** | **Number of Potential Discharges** |
|---|---|---|
| Body shop, fleet operations, recycling, smog center, vehicle services, gas station | 0 | 0 |
| Commercial (including dry cleaning and recycling) | 0 | 0 |
| Food services, mini market, grocery | 0 | 3 |
| Pool and landscape maintenance | 0 | 0 |

## C.4.d.iii.(2)(e) ►Non-Filers

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

None known.

[49]Agencies to list specific enforcement actions as defined in their ERPs.
[50]List your Program's standard business categories.

**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 (Contra Costa County) | 7/29/20 | Outline available through CWP | CCCSD-5<br>Delta Diablo-3<br>WCWD-2 | CCCSD-56<br>Delta Diablo-100<br>WCWD-100 | | |
| CWEA –Annual Pretreatment, Pollution Prevention and Stormwater Conference (Long Beach, CA) | 1/27-29/20 | • Stormwater program<br>• General inspector skills | Delta Diablo-3<br>WCWD-1 | Delta Diablo-100<br>WCWD-50 | | |

Comments:
The Assistant Engineer and Public Works Analyst attended the, "Commercial /Industrial Stormwater Inspection Training Workshop" conducted by the Contra Costa County clean water program.

Provision C.4.e. requires that focused training be provided for industrial & commercial business inspectors annually. Due to the risk of person-to-person contact, the training was planned as an online webinar. Many trainers and participants had limited availability for the workshop due to requirements to staff essential operations and/or work-stop orders. Therefore, training was delayed and held in July 2020 instead of Spring 2020 and this provision's requirement is completed.

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

| **Program Highlights and Evaluation**<br>**Highlight/summarize activities for reporting year:** |
|---|
| Provide background information, highlights, trends, etc. |
| Summary:<br>All reports of potential illicit discharge or spills are followed up on as soon as possible by either an Engineering Department Inspector or the City of Lafayette's Public Works Department staff. Sometimes spills are followed up on by the Central Contra Costa Sanitary District (CCCSD) at the request of City Staff. Matt Luttropp, Engineering Services Manager, and Donna Feehan, Public Works Manager, participated in the CCCWP's Management Committee during FY 19-20.<br><br>Refer to the C.5 Illicit Discharge Detection and Elimination section of the CCCWP's FY 19-20 Annual Report for description of activities at the countywide or regional level. |

| **C.5.c.iii ►Complaint and Spill Response Phone Number** | | | | |
|---|---|---|---|---|
| *(For the FY 2019-20 Annual Report only)* Provide the following information: | | | | |
| List below or attach your complaint and spill response phone number | | | | |
| 925-934-3908 City of Lafayette Public Works Services and Police Dispatch at 925-284-5010 | | | | |
| Provide your complaint and spill response web address, if used | | | | |
| http://lovelafayette.org/city-hall/city-departments/public-works/stormwater-pollution-control | | | | |
| Is a screen shot of your website showing the central contact point attached? "Attachment C" | X | **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.<br>City of Lafayette website and Lafayette Vistas newsletters are used to publicize Public Works as the contact point for reporting complaints and potential spills/illicit discharges. The CCCCWP also has a no dumping call line that can be used by residents. Those calls are referred to City Public Works staff for follow up. Police Dispatch who have an emergency call service center can also be called. | | | | |

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

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

| | Number |
|---|---|
| Discharges reported (C.5.d.iii.(1)) | 10 |
| Discharges reaching storm drains and/or receiving waters (C.5.d.iii.(2)) | 4 |
| Discharges resolved in a timely manner (C.5.d.iii.(3)) | 9 |

Comments:

City of Lafayette staff responds to all reports of potential illicit discharges and spills. This year, staff received and responded to ten (10) reports of discharges. All incidents were investigated and followed by clean-up actions, and prevention BMPs were put in place, as needed. Four (4) of the ten (10) reports were natural discharges of soil, DG, ground water, or treated water -- the DG and soil entered the storm drain but were cleaned out. One (1) of the ten (10) reports regarded sewage, which is known to have entered the storm drain and was cleaned out. One (1) of the ten (10) reports regarded asphalt, which entered the storm drain and was cleaned out. One (1) of the ten (10) reports regarded an unknown substance that is not known to have entered the storm drain. One (1) of the ten (10) reports was four (4) 1-gallon bottles of vehicle fluid that were left on the side of the road but were picked up and disposed of without leaking. Of these ten (10) reports, two (2) could not be substantiated because the substance was not present when the site visit occurred.

Field work increases the risk of person-to-person contact and investigation protocols had to be modified due to COVID-19 restrictions. During the initial disruption of work, one (1) of the above-referenced discharges occurred and the normal follow-up process did not occur. The citizen called back a couple weeks later. The issue was resolved within a month of the original complaint.

Inspections quickly resumed with use of appropriate protective measures, such as social distancing and use of face masks.

## Section 6 – Provision C.6 Construction Site Controls

**C.6.e.iii.(3)(a), (b), (c), (d) ►Site/Inspection Totals**

| **Number of active Hillside Sites (sites disturbing < 1 acre of soil requiring storm water runoff quality inspection)** (C.6.e.iii.3.a) | **Number of High Priority Sites (sites disturbing < 1 acre of soil requiring storm water runoff quality inspection)** (C.6.e.iii. 3.c) | **Number of sites disturbing ≥ 1 acre of soil** (C.6.e.iii.3.b) | **Total number of storm water runoff quality inspections conducted (include only Hillside Sites, High Priority Sites and sites disturbing 1 acre or more)** (C.6.e.iii. 3.d) |
|---|---|---|---|
| # **EIGHT (8)** | # **ONE (1)** | # **THREE (3)** | # **49 INSPECTIONS (12 JOB SITES)** |

Comments:

Contra Costa County Building Inspection Department provides construction site controls services under contract with the City of Lafayette Planning and Building Department.

The hillside sites are the ones with 5,000 sf of disturbance on ground that averages 15% or steeper. The high priority sites are the ones that either have a high probability of erosion or have had prior illicit discharges.

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

There was only one job site that had a storm water runoff quality inspection done that did not fall within one of the three categories above. This inspection was done due to a complaint from a neighbor.

## C.6.e.iii.(3)(e) ►Construction Related Storm Water Enforcement Actions

**Guidance: Do not leave any cells blank. Provide a brief description of each enforcement action level (e.g., verbal warning, notice of violation, stop work order, legal action, etc.)**

| | **Enforcement Action** (as listed in ERP)[51] | **Number Enforcement Actions Issued** |
|---|---|---|
| Level 1[52] | Written Notice of Failed Inspection | 15 |
| Level 2 | Notice of Violation | 4 |
| Level 3 | Stop Work Order | 0 |
| Level 4 | Administrative Fines/Legal Action | 0 |
| **Total** | | **19** |

## C.6.e.iii.(3)(f), ►Illicit Discharges

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

| | **Number** |
|---|---|
| Number of illicit discharges, actual and those inferred through evidence at hillside sites, high priority sites and sites that disturb 1 acre or more of land (C.6.e.iii. 3.f) | NONE |

## C.6.e.iii.(3)(g) ► Corrective Actions

Indicate your reporting methodology below.

☐ Permittee reports multiple discrete potential and actual discharges at a site as one enforcement action.

☐ Permittee reports the total number of discrete potential and actual discharges on each site.

| | **Number** |
|---|---|
| **Enforcement actions or discrete potential and actual discharges fully corrected within 10 business days after violations are discovered** or otherwise considered corrected in a timely period (C.6.e.iii. .3.g) | NONE |

[51]Agencies should list the specific enforcement actions as defined in their ERPs.
[52]For example, Enforcement Level 1 may be Verbal Warning.

## 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: As expected, there is more erosion and turbid runoff during years with more rain and higher intensity storms. Drought years tend to have less discharges.

## 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 biggest strength of our inspection program is our timeliness. We utilize an Excel spreadsheet to ensure that the inspections are done on time and in the correct order. There is a column in the spreadsheet that contains the date of the next inspection for each job site. Excel sorts this column chronologically and puts the inspections in the correct order.

## C.6.f.iii ►Staff Training Summary

| Training Name | Training Dates | Topics Covered | No. of Inspectors in Attendance |
|---|---|---|---|
| | | | |
| | | | |
| | | | |

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

### C.7.a.iii ►Storm Drain Inlet Marking

| *(For the FY 2019-20 Annual Report only)* Provide the following information: | | | | |
|---|---|---|---|---|
| State the number of municipally-maintained storm drain inlets in your jurisdiction | 1900+- | | | |
| Are at least 80 percent of municipality-maintained storm drain inlets legibly labeled with an appropriate stormwater pollution prevention message? | | Yes | X | No |
| Is a picture of a labeled municipality-maintained inlet attached? | X | Yes | | No |
| Did all newly approved privately-maintained streets have storm drain inlet markings verified prior to acceptance of the project? | X | Yes | | No |
| Were the storm drain inlet markings on privately-maintained streets required to be maintained through the development maintenance entity? | X | Yes | | No |

### 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 FY19/20 Annual Report for a summary of activities related to the planning and development of an Outreach Campaign.

NO DUMPING
City of Lafayette
DRAINS TO CREEK

## C.7.b.iii.2 ►Post-Campaign Effectiveness Assessment/Evaluation

*(For the Annual Report following the post-campaign* effectiveness assessment/evaluation*)* Submit a report of the effectiveness assessment/evaluation completed, which, at a minimum, should include the following information:

1) A description of the outreach campaign

2) A summary of how the effectiveness assessment/evaluation was implemented

3) An analysis of the effectiveness assessment/evaluation results

4) A discussion of the measurable changes in awareness and behavior achieved

5) A discussion of the planned or future outreach campaigns to influence awareness and behavior changes regarding stormwater runoff pollution prevention messages

If campaign implementation and effectiveness assessment were done Countywide or regionally, refer to a Countywide or regional submittal that contains the information described above.

| | |
|---|---|
| | See attached effectiveness assessment/evaluation report |
| X | See Countywide or regional submittal (reference document) |

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

No Change

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

Describe general approach to event selection. Provide a list of outreach materials and giveaways distributed.
Use the following table for reporting and evaluating public outreach events

| **Event Details** | **Description** (messages, audience) | **Evaluation of Effectiveness** |
|---|---|---|
| Provide event name, date, and location. Indicate if event is local, countywide or regional. Indicate if event is public outreach or citizen involvement. | Identify type of event (e.g., school fair, creek clean-up, storm drain stenciling, farmers market etc.), type of audience (school children, gardeners, homeowners etc.) and outreach messages (e.g., Enviroscape presentation, pesticides, stormwater awareness) | Provide general staff feedback on the event (e.g., success at reaching a broad spectrum of the community, well attended, good opportunity to talk to gardeners etc.). Provide other details such as:<br>• Success at reaching a broad spectrum of the community<br>• Number of participants compared to previous years.<br>• Post-event effectiveness assessment/evaluation results<br>• Quantity/volume of materials cleaned up, and comparisons to previous efforts |
| Lafayette Art and Wine Festival | Over 80,000 people of all ages and backgrounds attend the Art and Wine festival every year | This is a public event held in downtown Lafayette where educational information about healthy creeks and disposal of chemicals and items such as water bottles, dog litter bags, flashlights etc. with Contra Costa Clean Water logos are handed out to the public. Outreach is extensive since many residents of Lafayette and surrounding cities attend and participate. |
| Arundo Removal and Native Plant Planting Project at Brook Street Park | Event was organized by the City of Lafayette's Creeks Committee with volunteers provided by a local Girl Scout Troop. The event was a successful invasive plant removal and education event aimed at youth and adult members of the public regarding healthy creeks | There were about 20 attendees. The creek bank adjacent to the park was cleared 25 bags of Ivy, trash and invasive plants. The Girl Scout Troop followed the removal project with a native plant replanting project. |

| | | |
|---|---|---|
| Arundo Removal and Native Plant Planting Project on Mount Diablo Boulevard near Village Center | Event was organized by the City of Lafayette's Creeks Committee with local volunteers. The event was a successful invasive plant removal and education event aimed at youth and adult members of the public regarding healthy creeks | The creek bank along Mount Diablo Road was professionally cleared of invasive plants. The Creeks Committee followed the removal with a community replanting effort that drew 35 citizens of all ages. |
| Sustainable Lafayette and Lafayette Community Garden | Community events and annual educational opportunities for the public to participate in throughout the year | Numerous events and classes available to local residents and nearby community residents such as Bike Lafayette, Pest Control Workshops, Green Awards, Earth Day Festival, etc. |
| Refer to the CCCWP's FY 19/20 Annual Report, Section 7 Public informational and Outreach, for a full list of additional events and Activities conducted at a County wide level. | | |

## 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 19/20 Annual Report, Section 7 Public Information and Outreach, for efforts conducted at the countywide or regional level.

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

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

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

| Program Details | Focus & Short Description | Number of Students/Teachers reached | Evaluation of Effectiveness |
|---|---|---|---|
| Provide the following information:<br>Name<br>Grade or level (elementary/ middle/ high) | Brief description, messages, methods of outreach used | Provide number or participants | Provide agency staff feedback. Report any other evaluation methods used (quiz, teacher feedback etc.). Attach evaluation summary if applicable. |

As detailed in table C.7.d the City of Lafayette's Creek Committee holds annual educational creek cleanup days or Arundo removal and native plant replanting events. These events are typically catered to school age children with Boy and Girl Scout groups being involved in organizing and providing the labor required for these events. The City typically provides funding for materials and disposal of waste as well as social media outreach.

Please refer t the C.7 Section of the CCCWP's FY 19-20 Annual Report, Section 7 Public Information and Outreach, for a description of School age Children Outreach efforts conducted at the county wide level for additional outreach.

## C.7.g. ►Outreach to Municipal Officials

(For FY 19-20 Annual Report only) Summarize outreach conducted to increase the overall awareness of stormwater and/or watershed messages among municipal officials.

Summary:

Every year the City of Lafayette Creeks Committee makes a presentation to the City Council where they highlight their efforts to improve the health and awareness of the creeks in Lafayette. This has included Arundo removal and native plant replanting projects, development of the Downtown Creeks Preservation, Restoration and Development Plan. A City Council liaison attends most Creeks Committee meetings and reports back to the City Council on ongoing projects and goals.

## Section 9 – Provision C.9 Pesticides Toxicity Controls

### C.9.a. ►Implement IPM Policy or Ordinance

| Is your municipality implementing its IPM Policy/Ordinance and Standard Operating Procedures? | X | **Yes** | | **No** |
|---|---|---|---|---|

If no, explain:

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

**Guidance: List only quantities of organophosphates, pyrethroids, carbamates, fipronil, indoxacarb, diuron, and diamides that are used in a manner that could potentially impact water quality. Starting FY 16-17, Permittees are required to report the total quantity of the active ingredient used, not the total quantity of product used.**

**Trends in Quantities and Types of Pesticide Active Ingredients Used**[54]

| **Pesticide Category and Specific Pesticide Active Ingredient Used** | **Amount**[55] | | | | | |
|---|---|---|---|---|---|---|
| | **FY 15-16** | **FY 16-17** | **FY 17-18** | **FY 18-19** | **FY 19-20** | **FY 20-21** |
| **Organophosphates** | | | | | | |
| **Active Ingredient Chlorpyrifos** | | | | | | |
| **Active Ingredient Diazinon** | | | | | | |
| **Active Ingredient Malathion** | | | | | | |
| **Pyrethroids (see footnote #57 for list of active ingredients)** | | | | | | |
| **Active Ingredient Type: Cyfluthrin** | 0.00007 gal | 0.0018 lb | 0.0021 lb | 0.00225 lb. | 0.0021 lb. | |
| **Active Ingredient Type: Permethrin** | 0.506 gal | 0 | 0 | 0 | 0 | |
| **Carbamates** | | | | | | |
| **Active Ingredient Carbaryl** | | | | | | |
| **Active Ingredient Aldicarb** | | | | | | |
| **Fipronil** | | 8.04 lb | | | | |

[54]Includes all municipal structural and landscape pesticide usage by employees and contractors.
[55]Weight or volume of the active ingredient, using same units for the product each year. Please specify units used. The active ingredients in any pesticide are listed on the label. The list of active ingredients that need to be reported in the pyrethroids class includes: metofluthrin, bifenthrin, cyfluthrin, beta-cyfluthrin, cypermethrin, deltamethrin, esfenvalerate, lambdacyhalothrin, and permethrin.

| Pesticide Category and Specific Pesticide Active Ingredient Used | Amount | | | | | |
|---|---|---|---|---|---|---|
| | **FY 15-16** | **FY 16-17** | **FY 17-18** | **FY 18-19** | **FY 19-20** | **FY 20-21** |
| **Indoxacarb** | Reporting not required in FY 15-16 | | | | | |
| **Diuron** | Reporting not required in FY 15-16 | | | | | |
| **Diamides** | Reporting not required in FY 15-16 | | | | | |
| **Active Ingredient Chlorantraniliprole** | | | | | | |
| **Active Ingredient Cyantraniliprole** | | | | | | |

**Reasons for increases in use of pesticides that threaten water quality:**

**N/A**

**IPM Tactics and Strategies Used:**
The City's Parks Department uses an all-natural product with the active ingredient Eugenol. Public Works has significantly reduced the use of chemicals in the public right-of-way by increasing hand-removal of weeds and weed eating as much as possible. Only small amounts of chemicals are sprayed on weeds and pests that are not able to be abated in other ways. County Vector Control set our boxes to trap rats that were at the Corporation Yard.

## 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: | |

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

| | | | | |
|---|---|---|---|---|
| Did your municipality contract with any pesticide service provider in the reporting year, for either landscaping or structural pest control? | X | **Yes** | | **No** |
| If yes, did your municipality evaluate the contractor's list of pesticides and amounts of active ingredients used? | X | **Yes** | | **No,** |

If your municipality contracted with any pesticide service provider, briefly describe how contractor compliance with IPM Policy/Ordinance and SOPs was monitored

The City of Lafayette requires their contractors to obtain the City's approval before using any pesticide, staff participates in IPM trainings to stay up-to date on improved IPM tactics and strategies, and the City's contractors have qualified applicator licenses and certificates. The City implements IPM methods and follows their IPM Policy. For instance, at the Public Works Yard, Contra Costa Mosquito Vector Control's recommendations are followed to trim vegetation away from the buildings and plug holes instead of using chemicals. Pest monitoring is conducted at City sites and non-chemical pest control actions are evaluated and implemented whenever possible before application of pesticides.

The Parks Department uses an all-natural product with the active ingredient Eugenol rather than Round-Up. If the need arises in the future, P.J. McNamara Inc. would perform the work for the City's Parks department. Public Works contracts with Terracare for this service. In FY 19/20, the Terracare crew received "Pesticide Safety Training" in September. Both contractors possess a qualified applicator license and certificate.

Terminix performs work for the City's Library and Learning Center. They have a qualified applicator license and certificate. They provide monthly service, including inspecting facility conditions and recommending non-chemical pest control actions, which the City acts upon. They submit written reports to the City, which describes pesticide use and is reported in Section C.9.a. They agree to the City's IPM.

## 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, | | Yes | X | No |

If yes, summarize the communication. If no, explain.

County Agricultural Commissioner presented at June 16, 2020 Municipal Operations Committee Meeting. Refer to the CCCWP's FY 2019/2020 Annual Report, Section C.9 Pesticide Toxicity Controls for a summary of the CCCWP's communication with Contra Costa County Agricultural Commissioner.

| | | | | |
|---|---|---|---|---|
| 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. | | **Yes** | X | **No** |

If yes, provide a summary of improper pesticide usage reported to the County Agricultural Commissioner and follow-up actions taken to correct any violations. A separate report can be attached as your summary.

N/A

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

Provide a summary of public outreach at point of purchase, and any measurable awareness and behavior changes resulting from outreach (here or in a separate report); **OR** reference a report of a regional effort for public outreach in which your agency participates.

Summary:

See the C.9 Pesticides Toxicity Control section of Countywide Program's FY 19-20 Annual Report for information on point of purchase public outreach conducted countywide and regionally.

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

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

Summary:

See the C.9 Pesticides Toxicity Control section of Countywide Program's FY 19-20 Annual Report for information on point of purchase public outreach conducted countywide and regionally.

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

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

Summary:

See the C.9 Pesticides Toxicity Control section of countywide Program's FY 19-20 Annual Report for a summary of our participation in and contributions towards countywide and regional public outreach to pest control operators and landscapers to reduce pesticide use.

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

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

Summary:

During FY 19-20, we participated in regulatory processes related to pesticides through contributions to the countywide Program, BASMAA and CASQA. For additional information, see the Regional Report submitted by BASMAA on behalf of all MRP Permittees.

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

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

For population-based Permittees, provide the overall trash reduction percentage achieved to-date within the jurisdictional area of your municipality that generates problematic trash levels (i.e., Very High, High or Moderate trash generation). Base the reduction percentage on the information presented in C.10.b i-iv and C.10.e.i-ii. Provide a discussion of the calculation used to produce the reduction percentage

| **Trash Load Reductions** | |
|---|---|
| Percent Trash Reduction in All Trash Management Areas (TMAs) due to **Trash Full Capture Systems** (as reported C.10.b.i) | 51.1% |
| Percent Trash Reduction in all TMAs due to **Control Measures Other than Trash Full Capture Systems** (as reported in C.10.b.ii)[56] | 36.9% |
| Percent Trash Reduction due to **Jurisdictional-wide Source Control Actions** (as reported in C.10.b.iv) | |
| **SubTotal for Above Actions** | **88%** |
| **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 (Jurisdictional-wide) % Trash Load Reduction through FY 2019-20** | **88** |

**Discussion of Trash Load Reduction Calculation:**
The City of Lafayette continues to perform on-land clean-ups. Please see "Attachment B" for a baseline generation map.

[56] See Appendix 10-1 for changes between 2009 and FY 19-20 in trash generation by TMA as a result of Full Capture Systems and Other Measures.

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

Provide the following:

1) Total number and types of full capture systems (publicly and privately-owned) installed prior to FY 19-20, during FY 19-20, 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 in FY 19-20** | | |
| **None** | | |
| | | |
| **Installed Prior to FY 19-20** | | |
| Full Trash Capture Units Approved by the SFRWQBC - Connector Pipe Screens | 38 | 32 |
| | | |
| **Total for all Systems Installed To-date** | **38** | **32** |
| **Treatment Acreage Required by Permit (Population-based Permittees)** | | **20** |
| **Total # of Systems Required by Permit (Non-population-based Permittees)** | | **N/A** |

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

Provide the following:

1) Jurisdictional-wide trash reduction in FY 19-20 attributable to trash full capture systems implemented in each TMA;
2) The total number of full capture systems installed to-date in your jurisdiction;
3) The percentage of systems in FY 19-20 that exhibited significant plugged/blinded screens or were >50% full when inspected or maintained;
4) A narrative summary of any maintenance issues and the corrective actions taken to avoid future full capture system performance issues; and
5) A certification that each full capture system is operated and maintained to meet the full capture system requirements in the permit.

| TMA | Jurisdiction-wide Reduction (%) | Total # of Full Capture Systems | % of Systems Exhibiting Plugged/Blinded Screens or >50% full in FY 19-20 | Summary of Maintenance Issues and Corrective Actions |
|---|---|---|---|---|
| **1** | 32.5 | 38 | 13 | Thirteen (13) full trash capture units were found to be between 50% and 75% capacity during regular maintenance visits. At the next regular inspection, those units were at ≤50% capacity. Regular maintenance: REM serviced the units three (3) times, at which time none of the units were found to be over 75% capacity. During one (1) of the services, a car was parked over one (1) unit; and during one (1) other of the services, cars were parked over four (4) units, so REM could not service those units. When units get full of leaves (before and during a heavy rainstorm), and when the units were not available for servicing during REM's maintenance visit, the City's Public Works crew serviced them. |
| **2** | 18.6 | | | |
| **3** | 0% | | | |
| **4** | 0% | | | |
| **Total** | **51.1** | | | |

***Certification Statement:***

*The City of Lafayette 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 - TMA 1 is the area of the commercial downtown Core Area containing full trash capture units. 2010-2012 |
| **2** | TMA 2 is the remaining area of the City's commercial downtown Core Area. Some of the area is treated by full trash capture and is low trash generating. Medium trash areas are cleaned up with additional trash pick-ups, as needed. |
| **3** | TMA 3 is comprised of parcels spread out over the City. These parcels are primarily schools (both public and private), churches, swim clubs, etc. Most of these parcels are low trash generating. Schools have now been designated as non-jurisdictional. |
| **4** | TMA 4 includes the remainder of the City, comprised primarily of residential parcels. The large majority of this TMA is low trash generating. Some areas along the right of ways of arterial roadways are designated as medium trash generating due to trash being thrown from cars or pedestrian litter. These areas are addressed by on-land trash pickup by the City's maintenance crews. |

**Summary of Trash Control Measures Other than Full Capture Devices: (Do not delete this section)**

- **Street Sweeping:** Include a description of any enhancements or new actions implemented after the MRP 1.0 effective date (i.e., December 2009). Identify portions of the TMA where enhanced street sweeping (i.e., increased sweeping frequency) and parking enforcement above 2009 levels was implemented.
- **On-land Cleanup:** Include a description of on-land cleanup activities that began after the MRP 1.0 effective date (i.e., December 2009) and continued into FY 19-20, including any enhancements or new actions implemented in FY 19-20. Describe if these actions are Permittee or volunteer-led.
- **Partial Capture Devices:** Provide a description of devices installed after the MRP 1.0 effective date (i.e., December 2009). Describe the level of maintenance conducted per device types.
- **Storm Drain Inlet Cleaning:** Describe storm drain inlet maintenance activities implemented after the MRP 1.0 effective date (i.e., December 2009) and continued in FY 19-20, including any enhancements or new maintenance activities implemented in FY 19-20. For new/enhanced actions, include the number of inlets where enhanced maintenance occurred, and the increased frequency of maintenance.
- **Uncovered Loads:** Describe activities designed to reduce trash from uncovered loads that began after the MRP 1.0 effective date (i.e., December 2009) and continued in FY 19-20, including any enhancements or new actions implemented in FY 19-20. Describe the types of actions implemented including new or redirected enforcement efforts to increase the focus towards new or enhanced actions.
- **Anti-littering and illegal dumping enforcement activities:** Describe anti-littering and illegal dumping enforcement activities began after to the MRP 1.0 effective date (i.e., December 2009) and continued in FY 19-20, and any enhancements or new actions implemented in FY 19-20. Include any new or redirected enforcement efforts to increase the focus towards new or enhanced actions. Describe the number of

citations or other correction actions accomplished this year, and compare with previous years. Indicate how anti-littering and illegal dumping enforcement records are kept, and how they may be retrieved for audit.

- **Improved Trash Bin/Container Management:** Describe activities designed to improve trash bin/container management that began after the MRP1.0 effective date (i.e., December 2009) and continued in FY 19-20, and any enhancements or new actions implemented in FY 19-20. Include any new or redirected efforts to increase the focus towards these new or enhanced actions.
- **Other Types of Actions:** Describe activities designed after the MRP effective date (i.e., December 2009) and continued in FY 19-20, and any enhancements or new (post December 2009 effective date) actions implemented in FY 19-20.

## 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 19-20 attributable to trash management actions other than full capture systems implemented in each TMA; OR
3) Indicate that no on-land visual assessments were performed.

If no on-land visual assessments were performed, check here ☐ **and state why:** **Explanation:** N/A

| **TMA ID** or (*as applicable*) Control Measure Area | **Total Street Miles[57] or Acres Available for Assessment** | **Summary of On-land Visual Assessments** | | | **Jurisdictional-wide Reduction (%)** |
|---|---|---|---|---|---|
| | | **Street Miles or Acres Assessed** | **% of Available Street Miles or Acres Assessed** | **Avg. # of Assessments Conducted at Each Site** | |
| **1*** | 0.00 | N/A | N/A | NA | 0.0 |
| **2** | 0.33 | 0.19 | 57.64 | 12 | 9.1 |
| **3** | 0.45 | 0.38 | 84.96 | 8 | 3.9 |
| **4** | 1.42 | 1.18 | 83.65 | 9 | 23.9 |
| | **Total** | **1.8** | **80.0** | **29** | **36.9** |

* TMA is entirely comprised of low trash generating area, under full trash capture, or non-jurisdictional; and assessments are not required.

[57] Linear feet are defined as the street length and do not include street median curbs.

## C.10.b.v ► Trash Reduction – Receiving Water Monitoring

Report on the progress of developing and testing your agency's trash receiving water monitoring program.

**Guidance:**

Development and testing of the trash receiving water monitoring program occurred through a regional project coordinated through the Bay Area Stormwater Management Agencies Association (BASMAA) and in coordination with the Trash Monitoring Methods Project, California Ocean Protection Council and State Water Board project that is being administered via the Southern California Coastal Water Research Project (SCCWRP) and San Francisco Bay Estuary Institute (SFEI). Consistent with MRP requirements, the final report for the development and testing of the Bay Area trash receiving water monitoring program was submitted by BASMAA by July 1, 2020, consistent with the MRP requirements, following peer review.

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

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

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

## C.10.c ► Trash Hot Spot Cleanups

Provide the FY 19-20 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 19-20.

| Trash Hot Spot | New Site in FY 19-20 (Y/N) | FY 19-20 Cleanup Date(s) | Volume of Trash Removed (cubic yards) | | | | |
|---|---|---|---|---|---|---|---|
| | | | FY 2015-16 | FY 2016-17 | FY 2017-18 | FY 2018-19 | FY 2019-20 |
| 1a – Leigh Creekside Park | N | Sep. 27, 2019 | .89 | .22 | .40 | .27 | .45 |
| 1b – Lafayette Community Park | N | Sep. 27, 2019 | .65 | .10 | .00 | .27 | .15 |

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

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

| Description of Significant Revision | Associated TMA |
|---|---|
| Schools are designated as non-jurisdictional. FY 15/16 | 3 |
| Several parcels were re-evaluated and categorized as low trash generating. FY 16/17 | 2, 3, and 4 |
| A few parcels were re-evaluated and categorized as medium trash generating. FY 16/17 | 2 and 4 |

## 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 19-20. 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 19-20 | Offset (% Jurisdiction-wide Reduction) |
|---|---|---|---|
| **Additional Creek and Shoreline Cleanups (Max 10% Offset)** | Clean-up event occurred at Brook Street Park. (Offsets not taken)<br>Clean-up event in August between Mt. Diablo Blvd & Moraga Blvd. (Offsets not taken.) | N/A<br>(No offsets taken) | N/A |
| **Direct Trash Discharge Controls (Max 15% Offset)** | The City adopted a "Food Packaging Recycling" ordinance that became effective July 1, 2015, which prohibited food establishments from purchasing, obtaining, keeping, selling, distributing, or otherwise using polystyrene CFC-processed take-out food packaging (specific exemptions available for specified period of time). No offsets were taken for this ordinance. | N/A<br>(No offsets taken) | N/A |

**Appendix 10-1.** Baseline trash generation and areas addressed by full capture systems and other control measures in Fiscal Year 19-20.

| TMA | 2009 Baseline Trash Generation (Acres) | | | | | Trash Generation (Acres) in FY 19-20 After Accounting for Full Capture Systems | | | | | Jurisdiction-wide Reduction via Full Capture Systems (%) | Trash Generation (Acres) in FY 19-20 After Accounting for Full Capture Systems and Other Control Measures | | | | | Jurisdiction-wide Reduction via Other Control Measures (%) | Jurisdiction-wide Reduction via Full Capture AND Other Control Measures (%) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | L | M | H | VH | Total | L | M | H | VH | Total | | L | M | H | VH | Total | | |
| 1 | 0 | 20 | 0 | 0 | 20 | 20 | 0 | 0 | 0 | 20 | 32.5 | 20 | 0 | 0 | 0 | 20 | 0.0 | 32.5 |
| 2 | 342 | 19 | 0 | 0 | 361 | 353 | 8 | 0 | 0 | 361 | 18.6 | 359 | 3 | 0 | 0 | 361 | 9.1 | 27.7 |
| 3 | 78 | 2 | 0 | 0 | 81 | 78 | 2 | 0 | 0 | 81 | 0.0 | 80 | 0 | 0 | 0 | 81 | 3.9 | 3.9 |
| 4 | 8779 | 18 | 0 | 0 | 8798 | 8779 | 18 | 0 | 0 | 8798 | 0.0 | 8794 | 4 | 0 | 0 | 8798 | 23.9 | 23.9 |
| | | | | | | | | | | | | | | | | | | |
| **Totals** | **9200** | **60** | **0** | **0** | **9259** | **9231** | **29** | **0** | **0** | **9259** | **51.1** | **9253** | **6** | **0** | **0** | **9259** | **36.9** | **88.0** |

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

## Section 11 – Provision C.11 Mercury Controls

### C.11.a ► Implement Control Measures to Achieve Mercury Load Reductions
### C.11.b ► Assess Mercury Load Reductions from Stormwater

See the Countywide Program's FY 2019-20 Annual Report for updated information on:

- Documentation of mercury control measures implemented in our agency's jurisdictional area for which load reductions will be reported and the associated management areas;
- A description of how the BASMAA Interim Accounting Methodology[58] was used to calculate the mercury load reduced by each control measure implemented in our agency's jurisdictional area and the calculation results (i.e., the estimated mercury load reduced by each control measure);
- Supporting data and information necessary to substantiate the load reduction estimates; and
- For Executive Officer approval, any refinements, if necessary, to the measurement and estimation methodologies to assess mercury load reductions in the subsequent permit."

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

See the Countywide Program's FY 2019-20 Annual Report for:

- An estimate of the amount and characteristics of land area that will be treated through green infrastructure implementation by 2020, 2030, and 2040, including all data used and a full description of models and model inputs relied on to generate this estimate; and
- A reasonable assurance analysis to demonstrate quantitatively that mercury reductions of at least 10 kg/yr will be realized by 2040 through implementation of green infrastructure projects. This submittal shall include all data used and a full description of models and model inputs relied on to make the demonstration and documentation of peer review of the reasonable assurance analysis.

[58]BASMAA 2020. Source Control Load Reduction Accounting For Reasonable Assurance Analysis, prepared for BASMAA by Geosyntec Consultants and EOA, Inc., June 2020.

See the Countywide Program's FY 2019-20 Annual Report for a mercury control measure implementation plan and corresponding reasonable assurance analysis that demonstrates quantitatively that the plan will result in mercury load reductions sufficient to attain the mercury TMDL wasteload allocations by 2028. The plan:

1. Identifies all technically and economically feasible mercury control measures (including green infrastructure projects) to be implemented;
2. Includes a schedule according to which these technically and economically feasible control measures will be fully implemented; and
3. Provides an evaluation and quantification of the mercury load reduction of such measures as well as an evaluation of costs, control measure efficiency and significant environmental impacts resulting from their implementation.

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

A summary of Program and regional accomplishments for this sub-provision, including a brief description of actions taken, an estimate of the number of people reached, why these people are deemed likely to consume Bay fish, and the findings of an effectiveness evaluation of the risk reduction program, are included in the Countywide Program's FY 2019-20 Annual Report.

## Section 12 – Provision C.12 PCBs Controls

See the Countywide Program's FY 2019-20 Annual Report for:

- Documentation of PCBs control measures implemented in our agency's jurisdictional area for which load reductions will be reported and the associated management areas;
- A description of how the BASMAA Interim Accounting Methodology[59] was used to calculate the PCBs load reduced by each control measure implemented in our agency's jurisdictional area and the calculation results (i.e., the estimated PCBs load reduced by each control measure);
- Supporting data and information necessary to substantiate the load reduction estimates; and
- For Executive Officer approval, any refinements, if necessary, to the measurement and estimation methodologies to assess PCBs load reductions in the subsequent permit.

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

See the Countywide Program's FY 2019-20 Annual Report for:

- An estimate of the amount and characteristics of land area that will be treated through green infrastructure implementation by 2020, 2030, and 2040, including all data used and a full description of models and model inputs relied on to generate this estimate;
- A reasonable assurance analysis to demonstrate quantitatively that PCBs reductions of at least 3 kg/yr will be realized by 2040 through implementation of green infrastructure projects, including all data used and a full description of models and model inputs relied on to make the demonstration and documentation of peer review of the reasonably assurance analysis.; and
- An estimate of the amount of PCBs load reductions resulting from green infrastructure implementation during the term of the Permit, including all data used and a full description of models and model inputs relied on to generate the estimate.

[59] BASMAA 2020. Source Control Load Reduction Accounting For Reasonable Assurance Analysis, prepared for BASMAA by Geosyntec Consultants and EOA, Inc., June 2020.

See the Countywide Program's FY 2019-20 Annual Report for a PCBs control measure implementation plan and corresponding reasonable assurance analysis that demonstrates quantitatively that the plan will result in PCBs load reductions sufficient to attain the PCBs TMDL wasteload allocations by 2030. The plan:

4. Identifies all technically and economically feasible PCBs control measures (including green infrastructure projects) to be implemented;
5. Includes a schedule according to which these technically and economically feasible control measures will be fully implemented; and
6. Provides an evaluation and quantification of the PCBs load reduction of such measures as well as an evaluation of costs, control measure efficiency and significant environmental impacts resulting from their implementation.

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

See the Countywide Program's FY 2019-20 Annual Report for:

- Documentation demonstrating each Permittee's compliance with each of the minimum requirements in C.12.f.ii(1)(a)-(c);
- Documentation of the number of applicable structures in each Permittee's jurisdiction for which a demolition permit was applied for during the reporting year;
- A running list of the applicable structures in each Permittee's jurisdiction for which a demolition permit was applied for (since the date the PCBs control program was implemented) that had material(s) with PCBs at 50 ppm or greater, with the address, demolition date, and brief description of PCBs control method(s) used; and
- A description of an assessment methodology and data collection program developed and implemented by the Permittees to quantify PCBs loads reduced through the program for controlling PCBs during building demolition.

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

A summary of Countywide Program and regional accomplishments for this sub-provision, including a brief description of actions taken, an estimate of the number of people reached, why these people are deemed likely to consume Bay fish, and the findings of an effectiveness evaluation of the risk reduction program, are included in the Countywide Program's FY 2019-20 Annual Report.

## Section 13 – Provision C.13 Copper Controls

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

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

Summary:

The City's application for building permit includes an applicant's statement whether architectural copper will be installed as part of the project. Applicants are advised that runoff from copper features cannot be discharged directly into storm drains.

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

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

Summary:

None during fiscal year 19/20

### 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:

No facilities have been identified by the City of Lafayette.

## 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:

- 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 at the point of purchase less toxic alternatives to combating lawn and garden pests.
- Lafayette supports Sustainable Lafayette (www.sustainablelafayette.org) and its programs to conserve water, promote less toxic pest control and landscape management, and use native plants and drought tolerant landscaping.
- Standard conditions of approval for projects requiring discretionary review include requirements to design landscape and irrigation plans to minimize irrigation and runoff, promote surface infiltration where appropriate, and minimize the use of fertilizers and pesticides that can contribute to stormwater pollution.
- The City is taking efforts to adopt a local water Efficient Landscape ordinance (WELO) in 2021..