Town of Moraga

TOWN MANAGER

September 30, 2016

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

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

Dear Mr. Wolfe and Ms. Creedon:

Enclosed is the FY 2015-16 Annual Report for the Town of Moraga, 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.

In accordance with Provision C.17.c, the Town of Moraga was not in compliance with Provision C.10.c.iii, Trash Hot Spot Assessment. While the Town performs a cleanup of the trash hot spot on a weekly basis, the Town did not conduct the necessary assessment (photo documentation, trash volume estimation, and trash source identification) this fiscal year. The Town performed the assessment on August 27, 2016 for the FY15-16 reporting year. The Town has also scheduled the trash hot spot assessment for FY16-17 for April 2016.

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,

Robert Priebe
Interim Town Manager

Enclosure

329 Rheem Boulevard • Moraga, CA 94556 • (925) 888-7022 • priebe@moraga.ca.us • www.moraga.ca.us

FY 2015-2016 Annual Report
Permittee Name: Town of Moraga

ATTACHMENT B

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Section 1 – Permittee Information

Background Information							
Permittee Name:	Town of Moraga						
Population:	16,016						
NPDES Permit No.:	CAS612008 (San Francisco Bay RWQCB Permit)						
Order Number:	R2-2015-0049 (San Francisco Bay RWQCB Permit)						
Reporting Time Period (month/year):	July 2015 through June 2016						
Name of the Responsible Authority:	Robert Priebe				**Title:**	Interim Town Manager	
Mailing Address:	329 Rheem Boulevard						
City:	Moraga	**Zip Code:**	94556		**County:**	Contra Costa	
Telephone Number:	925-888-7020		**Fax Number:**			925-376-5203	
E-mail Address:	priebe@moraga.ca.us						
Name of the Designated Stormwater Management Program Contact (if different from above):	Edric Kwan			**Title:**	Public Works Director/Town Engineer		
Department:	Public Works/Engineering						
Mailing Address:	329 Rheem Boulevard						
City:	Moraga	**Zip Code:**	94556		**County:**	Contra Costa	
Telephone Number:	925-888-7025		**Fax Number:**			925-376-5203	
E-mail Address:	ekwan@moraga.ca.us						

Section 2 - Provision C.2 Reporting Municipal Operations

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

Summary:

Refer to the C.2 Municipal Operations section of the CCCWP's FY 15-16 Annual Report for a description of activities implemented at the countywide and/or regional level.

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

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

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

Comments:

For the Town's Pavement Repair Project, BMPs identified in the project's Water Pollution Control Program included covering inlet grates in the work area, installing inlet protection in nearby grates, sweeping the area after paving operations, vacuuming of slurry and disposal to a concrete washout facility for future offsite disposal. The Town performed weekly inspections to confirm implementation of appropriate BMPs during pavement rehabilitation work by the Town's contractor.

Contractors performing minor repair work are required to regularly sweep paving waste materials and spoils to ensure that gutters and storm drains are protected. The Town's inspector provided oversight to ensure compliance.

C.2.b. ►Sidewalk/Plaza Maintenance and Pavement Washing

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

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

Comments:

The Town does not perform sidewalk or pavement washing nor contract to have either performed. However, the Town Inspector monitors the performance of such activities on private property throughout the Town and provides education, information support, and/or enforcement as required.

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.
NA	Contract specifications requiring proper capture and disposal methods for wastes generated from bridge and structural maintenance and graffiti removal activities.

Comments: **The Town maintenance staff, which consists of four members, has training in capture and disposal methods for protection of storm water. The Town did not utilize contractors for bridge maintenance or graffiti removal.**

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.				
N/A	Control of road-related erosion and sediment transport from road design, construction, maintenance, and repairs in rural areas			
N/A	Identification and prioritization of rural road maintenance based on soil erosion potential, slope steepness, and stream habitat resources			
N/A	No impact to creek functions including migratory fish passage during construction of roads and culverts			
N/A	Inspection of rural roads for structural integrity and prevention of impact on water quality			
N/A	Maintenance of rural roads adjacent to streams and riparian habitat to reduce erosion, replace damaging shotgun culverts and excessive erosion			
N/A	Re-grading of unpaved rural roads to slope outward where consistent with road engineering safety standards, and installation of water bars as appropriate			
N/A	Inclusion of measures to reduce erosion, provide fish passage, and maintain natural stream geomorphology when replacing culverts or design of new culverts or bridge crossings			
Comments including listing increased maintenance in priority areas: **Not applicable.**				

[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 corporations yard(s):

	We do not have a corporation yard
	Our corporation yard is a filed NOI facility and regulated by the California State Industrial Stormwater NPDES General Permit
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
X	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 Corporation Yard for the Town is entirely paved with concrete, including drains that route the majority of pavement runoff into a bioretention basin. The building was remodeled this fiscal year to house the Council Chambers but with minimal changes to the Corporation Yard portion of the property. The bioretention basin was relocated as part of the remodel. Vehicle washing is performed on site using water only; wash water drains to the bio-retention basin at the facility before discharging the Town storm drain system. No vehicle fluid changes are performed on site.

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

Corporation Yard Name	**Inspection Date** (1x/year required)	**Inspection Findings/Results**	**Follow-up Actions**
331 Rheem Boulevard (Corp Yard)	**9/3/15**	**Proper BMPs being implemented.**	**None**

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

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

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

Summary:

The Town of Moraga implements C.3 under Chapter 14.52 of its Municipal Code.

The Town requires proposed projects to be reviewed by the Design Review Board for consistency with the General Plan, and may also require review and approval by the Planning Commission and/or Town Council. Approved projects must submit detailed plans for review and abide by any "conditions of approval" required by the review body and included in the formal approval . Project review includes an initial assessment of the adequacy of stormwater management measures as a part of the CEQA determination. More detailed assessment of stormwater plans occurs at the improvement plan review stage as a part of the grading permit process.

For larger projects that require CEQA review, mitigation of a project's water quality and hydrologic impacts may be addressed through the C.3 requirements through source control measures , treatment of runoff prior to discharge from the site, and control of runoff rates and durations to mimic pre-project hydrology.

The Town's Senior Engineer attends annual C.3 training sessions. The Engineering and Planning departments collaborate on review and approval of all projects.

Outreach is provided to developers, construction site operators, and contractors through the development review process, by handouts distributed at the Planning/Engineering counters. The CCCWP's C.3 workshops are advertised to development engineers and developers in the community.

Both the Engineering and Planning departments encourage implementation of stormwater treatment for all building projects and include review of all remodeling projects involving a change in impervious surfaces. The Town's Design Guidelines strongly encourage retention of natural topography, trees and the overall natural site amenities. Specific sections include guidelines for protection of existing creeks and waterways, retention of trees and other natural vegetation, inclusion of bio-filtration, and prevention of irrigation runoff into storm drains. The guidelines also preclude use of any copper for roofing and require use of landscaping to address potential erosion. The Guidelines include references to the "Build it Green" approach to sustainable building methods and practices. These Design Guidelines are derived from the more general statements in the Town's General Plan, which supports retention of natural vegetation, minimization of hardscape, and preservation of existing trees.

Town staff has reviewed the General Plan and determined that revisions are not needed to integrate water quality/watershed protection with water supply, flood protection, habitat protection, groundwater recharge, and other sustainable development principles and policies. Include dates of General Plan revisions. The Moraga 2002 General Plan revised and updated the Town's 1990 General Plan.

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.

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

Summary:
The Town of Moraga is following the design specifications included in the CCCWP's Stormwater C.3 Guidebook.

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

Is your agency choosing to require 100% LID treatment onsite for all Regulated Projects and not allow alternative compliance under Provision C.3.e.?		**Yes**	X	**No**

Comments (optional): **Although no projects utilized Option 1 or Option 2 under Provision C.3.e.i this fiscal year, nor in previous fiscal years, the Town believes this is a necessary option to retain and to consider on a case by case basis.**

C.3.e.v ► Special Projects Reporting

1. In FY 2015-16, has your agency received, but not yet granted final discretionary approval of, a development permit application for a project that has been identified as a potential Special Project based on criteria listed in MRP Provision C.3.e.ii(2) for any of the three categories of Special Projects (Categories A, B or C)?		**Yes**	X	**No**
2. In FY 2015-16, has your agency granted final discretionary approval to a Special Project? If yes, include the project in both the **C.3.b.iv.(2)** Table, and the **C.3.e.v.** Table.		**Yes**	X	**No**

If you answered "Yes" to either question,

1) Complete Table C.3.e.v.
2) Attach narrative discussion of 100% LID Feasibility or Infeasibility for each project.

N/A

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/HM Controls.

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

Option 1 – Reporting Site Inspections	**Number/Percentage**
Total number of Regulated Projects (including offsite projects, and Regional Projects) in your agency's database or tabular format at the end of the previous fiscal year (FY14-15)	**7**
Total number of Regulated Projects (including offsite projects, and Regional Projects) in your agency's database or tabular format at the end of the reporting period (FY 15-16)	**7**
Total number of Regulated Projects (including offsite projects, and Regional Projects) for which O&M verification inspections were conducted during the reporting period (FY 15-16)	**3**
Percentage of the total number of Regulated Projects (including offsite projects, and Regional Projects) inspected during the reporting period (FY 15-16)	**43%**[2]
Option 2 – Reporting Stormwater Treatment System Inspections	
Total number of stormwater treatment and HM systems in your agency's database or tabular format at the end of the previous fiscal year (FY 14-15)	**NA**
Total number of stormwater treatment systems in your agency's database or tabular format at the end of the reporting period (FY 15-16)	**NA**
Total number of stormwater treatment and HM systems inspected in the reporting period (FY 15-16)	**NA**
Percentage of stormwater treatment and HM systems inspected in the reporting period (FY 15-16)	**NA%**[3]

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

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

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

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

Summary: Stormwater treatment systems were found to be in good working order and generally well maintained. Minor issues were correctly in a timely manner.

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: No significant changes to the O&M Program are planned. The Town plans to send out annual reminder letters to property owners to facilitate timelier submittal of annual inspection reports (those conducted by property owner).

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

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

Summary:

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

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

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

Summary:

On May 25, 2016, Town staff made a presentation to the Town Council on the Requirements of MRP 2.0 for Trash Load Reduction and for Green Infrastructure (GI). Link to staff report (http://www.moraga.ca.us/council/meetings/2016/052516/TC-052516_11-B_MRP-2.0-StormwaterTrashReduction.pdf) does not include full presentation presented to Town Council. The requirements of Gi in the MRP were presented including the GI Plan and Early Implementation requirements. The Council action to provide direction to staff to proceed with preparation of a Green Infrastructure Plan and actions for Early implementation of Green Infrastructure projects was approved unanimously.

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

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

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

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

Background Information:

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

The Town Engineering staff utilized the BASMAA May 6, 2016 document, "Guidance for Identifying Green Infrastructure Potential in Municipal Capital Improvement Projects" to review its current CIP list.

Summary of Planning or Implementation Status of Identified Projects:

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

C.3.j.iii.(2) ► Participate in Processes to Promote Green Infrastructure
On an annual basis, report on the goals and outcomes during the reporting year of work undertaken to participate in processes to promote green infrastructure.
Please refer to the CCCWP's FY 15-16 Annual Report, Section 3 for a summary of efforts conducted to help regional, State, and federal agencies plan, design and fund incorporation of green infrastructure measures into local infrastructure projects, including transportation projects.

C.3.j.iv.(2) ► Tracking and Reporting Progress
On an annual basis, report progress on development and implementation of methods to track and report implementation of green infrastructure measures and provide reasonable assurance that wasteload allocations for TMDLs are being met.
Please refer to the CCCWP's FY 15-16 Annual Report, Section 3 for a summary of methods being developed to track and report implementation of green infrastructure measures.

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

Project Name Project No.	Project Location[10], Street Address	Name of Developer	Project Phase No.[11]	Project Type & Description[12]	Project Watershed[13]	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft^2)[14]	Total Replaced Impervious Surface Area (ft^2)[15]	Total Pre-Project Impervious Surface Area[16](ft^2)	Total Post-Project Impervious Surface Area[17](ft^2)
Private Projects											
None	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Public Projects											
None	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Comments:

No regulated projects (public or private) were approved this reporting year.

[10] Include cross streets
[11] If a project is being constructed in phases, indicate the phase number and use a separate row entry for each phase. If not, enter "NA".
[12] Project Type is the type of development (i.e., new and/or redevelopment). Example descriptions of development are: 5-story office building, residential with 160 single-family homes with five 4-story buildings to contain 200 condominiums, 100 unit 2-story shopping mall, mixed use retail and residential development (apartments), industrial warehouse.
[13] State the watershed(s) in which the Regulated Project is located. Downstream watershed(s) may be included, but this is optional.
[14] All impervious surfaces added to any area of the site that was previously existing pervious surface.
[15] All impervious surfaces added to any area of the site that was previously existing impervious surface.
[16] For redevelopment projects, state the pre-project impervious surface area.
[17] For redevelopment projects, state the post-project impervious surface area.

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

Project Name Project No.	Application Deemed Complete Date[18]	Application Final Approval Date[19]	Source Control Measures[20]	Site Design Measures[21]	Treatment Systems Approved[22]	Type of Operation & Maintenance Responsibility Mechanism[23]	Hydraulic Sizing Criteria[24]	Alternative Compliance Measures[25/26]	Alternative Certification[27]	HM Controls[28/29]
Private Projects										
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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

Project Name Project No.	Approval Date[30]	Date Construction Scheduled to Begin	Source Control Measures[31]	Site Design Measures[32]	Treatment Systems Approved[33]	Operation & Maintenance Responsibility Mechanism[34]	Hydraulic Sizing Criteria[35]	Alternative Compliance Measures[36/37]	Alternative Certification[38]	HM Controls[39/40]
Public Projects										
NA	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

Comments:
NA

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

C.3.h.v.(2). ►Table of Newly Installed[41] Stormwater Treatment Systems and Hydromodification Management (HM) Controls (Optional)

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

Name of Facility	Address of Facility	Party Responsible[42] For Maintenance	Type of Treatment/HM Control(s)
None	**NA**	**NA**	**NA**

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

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

Reporting Period – July 1 2015 - June 30, 2016

Project Name & No.	Permittee	Address	Application Submittal Date[43]	Status[44]	Description[45]	Site Total Acreage	Gross Density DU/Acre	Density FAR	Special Project Category[46]	LID Treatment Reduction Credit Available[47]	List of LID Stormwater Treatment Systems[48]	List of Non-LID Stormwater Treatment Systems[49]
None	Moraga	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

[43]Date that a planning application for the Special Project was submitted.
[44] Indicate whether final discretionary approval is still pending or has been granted, and provide the date or version of the project plans upon which reporting is based.
[45]Type of project (commercial, mixed-use, residential), number of floors, number of units, type of parking, and other relevant information.
[46] For each applicable Special Project Category, list the specific criteria applied to determine applicability. For each non-applicable Special Project Category, indicate n/a.
[47]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.
[48]**:** List all LID stormwater treatment systems proposed. For each type, indicate the percentage of the total amount of runoff identified in Provision C.3.d. for the Special Project's drainage area.
[49]List all non-LID stormwater treatment systems proposed. For each type of non-LID treatment system, indicate: (1) the percentage of the total amount of runoff identified in Provision C.3.d. for the Special Project's drainage area, and (2) whether the treatment system either meets minimum design criteria published by a government agency or received certification issued by a government agency, and reference the applicable criteria or certification.

Special Projects Narrative
N/A

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]
ADA Compliance Streets Program	Provide ADA accessible sidewalks and curb cuts.	Ongoing upgrade work	No	Repair, replacement/upgrade or maintenance only.
Pavement Management Program	Annually review Pavement Management System analysis, assess current needs, and allocate appropriate funds to provide cost-effective pavement maintenance.	Ongoing Roadway maintenance/resurfacing program	No	Roadway maintenance/resurfacing
Livable Moraga Road - Corridor Plan and Improvements	Improve bicycle, pedestrian, and vehicular safety and mobility along Moraga Road between the Moraga Center and Campolindo	Planning / Design /Potential Future Project	No	Planning / Design /Potential Future Project
Moraga Pedestrian & Bicycle Master Plan (MPBP) Update	Complete comprehensive update of 2004 MPBP, to identify needed bicycle and pedestrian facilities improvements Town-wide including implementation	Planning phase	No	Planning Document
Minor Capital Improvement Program (Annual)	Provide funding for numerous minor capital improvements at Town facilities.	For unplanned repairs/purchases as needed	No	Repair, replacement or maintenance only.

[44] List each public project that is going through your agency's process for identifying projects with green infrastructure potential.
[45] Indicate status of project, such as: beginning design, under design (or X% design), projected completion date, completed final design date, etc.
[46] Enter "Yes" if project will include GI measures, "No" if GI measures are impracticable to implement, or "TBD" if this has not yet been determined.
[47] Provide a summary of how each public infrastructure project with green infrastructure potential will include green infrastructure measures to the maximum extent practicable during the permit term. If review of the project indicates that implementation of green infrastructure measures is not practicable, provide the reasons why green infrastructure measures are impracticable to implement.

C.3.j.ii.(2) ► Table 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]
Canyon Road Bridge Replacement	The bridge is in need of structural rehabilitation and reconfiguration to address a safety issue for pedestrians and bikes due to the current deck geometry.	Design	No	Repair, replacement or maintenance only.
ADA Self-Evaluation Plan (Phase 1: ROW)	Comply with Title II of the Americans with Disabilities Act (ADA) to evaluate the Town's right-of-way, facilities, and programs.	Planning phase	No	Planning Document
Street Light Master Plan	Determine, prioritize, and estimate capital improvement needs of the Town's streetlight system.	Planning phase	No	Non-stormwater utility project
Minor Traffic Safety Program (Annual)	This program is intended to provide traffic-engineering services to complete minor traffic safety improvements.	For unplanned repairs/purchases/upgrades as needed	No	Repair, replacement or maintenance only.
Storm Drain Master Plan	Determine, prioritize, and estimate capital improvement needs of the Town's storm drain collection system.	Planning phase	No	Planning Document
Minor Corrugated Metal Pipe Repair Program	Repair various culvert crossings and connections to creeks made predominately of corrugated metal pipe that are at the end of their life cycle.	For unplanned repairs or scheduled maintenance/replacement as needed	No	Repair, replacement or maintenance only.

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]
Hacienda Building ADA Accessibility to Upper Floors	Provide ADA accessibility to the 2nd and 2.5th floors of the Hacienda building.	Planning phase	No	Interior work only
Hacienda de las Flores Improvement Program	Provide minor improvements to the Hacienda buildings aimed at improving customer safety and enjoyment.	Planning phase	No	Interior work only
St Mary's Rd/Rheem/Bollinger Canyon Roundabouts	Construct new roundabout at intersection of Rheem Boulevard and St. Mary's Road and relocate trail to create safer pedestrian and bicycle crossing.	Design	Yes	Bio retention facility will be located at center and/or periphery of new roadway features to street runoff for new impervious area.
Moraga Road (St Mary's - Draeger) Resurfacing	Resurface Moraga Road from St Mary's Road to Draeger Drive.	Design	No	Roadway maintenance/resurfacing
Moraga Road Pedestrian Improvements	Construct pedestrian improvements along Moraga Road to improve route from Rheem Elementary to Las Perales School.	Under Construction	No	Under Construction
Municipal Wayfinding Signage Program	Develop a comprehensive vehicular, pedestrian, bicycle wayfinding signage program.	Planning phase	No	Planning Document

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]
Moraga Center Pedestrian & Bicycle Improvements	Study for proposed sidewalks and pedestrian path facilities to close critical gaps, install bike facilities and streetscape improvements along streets in Moraga	Planning phase	No	Planning Document
Bollinger Canyon Road Hillside Stabilization	Stabilize hillside on Bollinger Canyon Road.	Ongoing repair work	No	Repair, replacement or maintenance only.
Rheem Boulevard Landslide Repair & Repaving	Repair the landslide below Rheem Boulevard between St. Mary's Road and Moraga Road, and repave as required.	Ongoing / Under Construction	Yes	Offsite Bio swale facility will be constructed adjacent to project area.
PG&E Undergrounding	Underground overhead utilities along portions of Moraga Road.	Ongoing	No	Non-stormwater utility project
Trash Load Reduction Program	Reduce trash load from the Town's Municipal Separate Storm Sewer Systems (MS4s) by installing Full Trash Capture Devices in existing storm drain system	Ongoing upgrade work	No	Repair, replacement/upgrade or maintenance only.
Commons Park Master Plan Update	Complete a comprehensive site specific Commons Park Master Plan, which was a part of the 2007 Parks & Recreation Master Plan (Town-wide).	Planning phase	No	Planning Document

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]
Commons Park Sand Volleyball Court Renovation	Reduce annual maintenance and eliminate ponding of the sand volleyball area.	Repair work completed	No	Repair, replacement or maintenance only.
Minor Improvements to Government Facilities Program	Minor improvements on government facilities to accommodate growing population from new development.	For unplanned repairs/purchases as needed	No	Repair, replacement or maintenance only.
Moraga Library HVAC System Replacement	Replace Library HVAC system, which is at the end of its life cycle and showing signs of disrepair.	Under Construction	No	Interior work only
Municipal Monument Gateway Signage Program	Study to replace four existing gateway signs along arterial roads new the Town limits.	Planning phase	No	Planning Document
Sinkhole Repair on Rheem Boulevard at Center Street	Repair the damaged 96-inch and 27-inch storm drain pipes and associated improvements to the intersection.	Ongoing repair work	No	Repair, replacement or maintenance only.
Commercial Centers Street lighting	Determine, prioritize, and estimate capital improvement safety and street lighting needs at the two commercial centers in Town.	Planning phase	No	Non-stormwater utility project

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

Project Name and Location[48]	Project Description	Planning or Implementation Status	Green Infrastructure Measures Included
Rheem Boulevard Landslide Repair & Repaving	Repair the landslide below Rheem Boulevard between St. Mary's Road and Moraga Road, and repave as required.	Ongoing / Under Construction	Offsite Bio swale facility will be constructed adjacent to project area.
St Mary's Rd/Rheem/Bollinger Canyon Roundabouts	Construct new roundabout at intersection of Rheem Boulevard and St. Mary's Road and relocate trail to create safer pedestrian and bicycle crossing.	Design	Bio retention facility will be located at center and/or periphery of new roadway features to street runoff for new impervious area.

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

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

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

Summary:

The Town updated its facilities lists and plans to maintain the same inspection frequencies and priorities as prior years. The Town plans to update both its Enforcement Response Plan and Business Inspection Plan this coming fiscal year based on updated model CCCWP plans. Refer to the C.4. Industrial and Commercial Site Controls section of the CCCWP's FY 15-16 Annual Report for a description of activities of the countywide program.

C.4.b.iii ► Potential Facilities List

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

Please see Attachment C.4.b.iii.

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

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

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

	Number	Percent
Number of businesses inspected	**20**	
Total number of inspections conducted	**20**	
Number of violations (excluding verbal warnings)	**0**	
Sites inspected in violation	**0**	**0%**
Violations resolved within 10 working days or otherwise deemed resolved in a longer but still timely manner	**NA**	**NA**

Comments:
None

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

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

Type/Category of Violations Observed	Number of Violations
Actual discharge (e.g. active non-stormwater discharge or clear evidence of a recent discharge)	**0**
Potential discharge and other	**0**
Comments: **None**	

C.4.d.iii.(1)(b) ►Frequency and Type of Enforcement Conducted

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

	Enforcement Action (as listed in ERP)[49]	Number of Enforcement Actions Taken	% of Enforcement Actions Taken[50]
Level 1	**Warning Notice**	**0**	**NA**
Level 2	**Written Notice of Violation**	**0**	**NA**
Level 3	**Administrative Citation**	**0**	**NA**
Level 4	**Legal Action/Referral to State**	**0**	**NA**
Total		**0**	**NA**

[49]Agencies to list specific enforcement actions as defined in their ERPs.
[50]Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.

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

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

Business Category[51]	Number of Actual Discharge Violations	Number of Potential/Other Discharge Violations
Assisted Living	**0**	**0**
Dry Cleaner	**0**	**0**
Fire Station	**0**	**0**
Fleet Operations	**0**	**0**
Food Service	**0**	**0**
Gas Station	**0**	**0**
Nursery	**0**	**0**
Permitted IU	**0**	**0**
Residential	**0**	**0**
Retail	**0**	**0**
Vehicle Service	**0**	**0**

C.4.d.iii.(1)(d) ►Non-Filers

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

There were no industries identified as non-filers during scheduled inspections during this fiscal year.

[51] 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	May 5, 2016	• Stormwater Inspections under MRP 2.0 • Inspecting Public Works Corporation Yards • Inspecting Mobile Businesses • Talkin' Trash	9	100	NA	NA
CWEA –Annual Conference	4/26/16	• Stormwater education and outreach • Trash management	1	11%	NA	NA
BACWA Sponsored Sampling/Ethics Training	10/13/15	• Documentation requirements for environmental sampling • Importance of ethical conduct when performing environmental sampling	9	100%	NA	NA
CCCSD Sponsored Anatomy of an Investigation	10/6/15	• Inspector training • Gaining access • Obtaining evidence • Building a case	9	100%	NA	NA
CWEA Stormwater Training Webinar	8/26/15	• Stormwater Inspections at commercial/industrial facilities • _Stormwater BMPs	4	44%	NA	NA
California Hazardous Materials Investigators Association – Advanced Criminal Investigations	10-20-30/15	• Investigation elements • Collecting defensible evidence • Witness training	1	11%	NA	NA

Comments:
NA

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

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

Provide background information, highlights, trends, etc.

Summary:

Refer to the C.5 Illicit Discharge Detection and Elimination section of the CCCWP's FY 15-16 Annual Report for description of activities conducted at the countywide and regional level.

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

List below or attach your complaint and spill response phone number

1. **Town of Moraga Police Department – 925-284-5010**
2. **Contra Costa Clean Water Program – 1-800-NO-DUMPING**

Provide your complaint and spill response web address, if used

Complaint and spill response information can be found on both web addresses:
http://www.moraga.ca.us/dept/publicworks/about
http://www.moraga.ca.us/dept/publicworks/water

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

If No, explain:

Please see Attachment C.5.c.iii.

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.

Local efforts to publicize the stormwater point of contact include About Town articles (the Town-published newsletter) and outreach materials provided at the Community Faire and Pear/Wine festival. See the CCCWP's FY 15-16 Annual Report, Section C.7 "Public Information and Outreach" for details on how the CCCWP maintains and publicizes the stormwater point of contact and provides stormwater pollution prevention education.

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

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

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

Comments:

Depending on the nature and time of the discharge report, the Town's Public Works staff will follow up or the Town will request that CCCSD inspectors perform a call-out inspection under the Town's Commercial and Business Inspection contract. Discharge reports that are unsubstantiated in the field and discharges that are prevented from reaching storm drains/receiving waters are included in the above tabulation as "Discharges reported". For example, the single discharge reported above was a complaint of a strong sewage-spell coming from Moraga Creek; after investigation, the odor was determined to be due to an algae bloom caused by stagnant water in the creek and not due to a sewage release to the creek.

C.5.f.iii ►MS4 Map Availability

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

The MS4 maps are available for review at the Town Public Works office. Map availability is publicized on the Town's website at http://www.moraga.ca.us/dept/publicworks/water (under heading Educational Materials).

Section 6 – Provision C.6 Construction Site Controls

C.6.e.iii.(1) ►Hillside Development Criteria

What criteria is your agency using to determine hillside development areas?	Y	Local criteria such as maps of hillside development areas or other written criteria		The permit definition of projects on sites with ≥ 15% slope

Attach a copy of hillside development area maps or provide your written criteria below, if applicable.

Description: A Hillside Development Permit (HDP) is required to grade, clear, construct upon, or alter land that has a slope of 20% or greater. (Town of Moraga Municipal Code Chapter 8.136) This requirement applies throughout Moraga, not just in open space areas. Grading on hillsides requires a HDP even if a grading permit is not required. A HDP is approved by the review authority for the land use entitlement; for example, if the project requires Planning Commission approval of a Conditional Use Permit, the Planning Commission also approves the HDP. For a project that only requires a building permit, the Design Review Board approves the HDP.

C.6.e.iii.2.a, b, c ►Site/Inspection Totals

Number of High Priority Sites (sites disturbing < 1 acre of soil requiring storm water runoff quality inspection) (C.6.e.iii.1.a)	**Number of sites disturbing ≥ 1 acre of soil** (C.6.e.iii.1.b)	**Total number of storm water runoff quality inspections conducted (include only High Priority Site and sites disturbing 1 acre or more)** (C.6.e.iii.1.c)
0	**3**	**48**

Comments:
The three sites inspected were all residential subdivisions in the initial phase of development (rough grading).

C.6.e.iii.2.d ►Construction Activities Storm Water Violations

BMP Category	Number of Violations[52] excluding Verbal Warnings	% of Total Violations[53]
Erosion Control	**14**	**29%**
Run-on and Run-off Control	**5**	**10%**
Sediment Control	**19**	**39%**
Active Treatment Systems	**0**	**0%**
Good Site Management	**11**	**22%**
Non Stormwater Management	**0**	**0%**
Total[54]	**49**	**100%**

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

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

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

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

	Enforcement Action (as listed in ERP)[55]	Number Enforcement Actions Issued	% Enforcement Actions Issued[56]
Level 1[57]	**Warning Notice**	**12**	**62%**
Level 2	**Written Notice of Violation**	**9**	**38%**
Level 3	**Administrative Citation**	**0**	**0%**
Level 4	**Legal Action/Referral to State**	**0**	**0%**
Total		**21**	**100%**

C.6.e.iii.2.f, g ►Illicit Discharges

	Number
Number of illicit discharges, actual and those inferred through evidence at high priority sites and sites that disturb 1 acre or more of land (C.6.e.iii.1.f)	**7**
Number of sites with discharges, actual and those inferred through evidence at high priority sites and sites that disturb 1 acre or more of land (C.6.e.iii.1.g)	**2**

[55]Agencies should list the specific enforcement actions as defined in their ERPs.
[56]Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.
[57]For example, Enforcement Level 1 may be Verbal Warning.

C.6.e.iii.2.h, i ►Violation Correction Times

	Number	Percent
Violations (excluding verbal warnings) fully corrected within 10 business days after violations are discovered or otherwise considered corrected in a timely period (C.6.e.iii.1.h)	**3**	**14%**[58]
Violations (excluding verbal warnings) not fully corrected within 30 days after violations are discovered (C.6.e.iii.1.i)	**13**	**62%**[59]
Total number of violations (excluding verbal warnings) for the reporting year[60]	**21**	**100%**

Comments:

Of the 13 violations not corrected within 30 days, 8 were for 1 ongoing incident at one site and 5 were for 1 ongoing incident at a second site. Repeated written notices were issued each time a follow-up inspection was performed to determine if the violation had been corrected. In some cases, the initial problem was corrected but a new problem was identified, hence issuance of another written notice. For the first project, a hold was placed on any new permits until correction of all violations and the only work allowed on the project since December 21, 2015, when a stop work order was issued, has been SWPPP-related activities. For the For the second project (Camino Ricardo), the only work allowed to occur at the site during the period of non-compliance was implementation of construction site controls and getting the roadway paved to eliminate and reduce the potential for erosion and sediment runoff. As indicated in correspondence with the Water Board in Spring 2016, the Town has the ability to issue administrative citations for violations of the municipal code, but has found that withholding inspections/permits and issuing stop work orders is a more effective enforcement tool.

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: **Last year, one violation was issued but the amount of grading activity was significantly less – completion of a recreation center at St. Mary's College and commencement of grading in May 2015 of the Camino Ricardo project. This year's inspection data shows a significant increase in the violations due to active grading at two hillside subdivisions and the relatively wet rainy season. The third subdivision requiring monthly inspections was on a flat, more easily managed lot and had no violations.**

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

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 Town improved tracking of inspections this reporting year, with the tracking table being maintained on a minimum monthly basis. The Town's inspector (contracted through Contra Costa County) as well as the Town's Senior Engineer attended Construction Site Controls training. Refer to the C.6 Construction Site Control section of the CCCWP's FY 15-16 Annual Report for a description of activities conducted at the countywide and regional level.**

C.6.f ►Staff Training Summary

Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance	Percentage of Inspectors in Attendance
CCCWP Construction Inspection Training Workshop	**June 14, 2016**	**1. C.6 Requirements Overview – Highlights on the MRP 2.0 Requirements** **2. Municipal Perspective - Hillside Project Policy** **3. C.6 BMPs Tool Box & BMP Resources** **4. MRP 2.0 and General Construction Permit Overlap and Differences** **5. Inspections, Documentation, and Reporting**	**1**	**100%**

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

C.7.b.i.1 ►Outreach Campaign

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

Summary: **The Town Engineer serves on the CCCWP's Public Information Participation Committee. Refer to Section 7 in the CCCWP's FY 1516 Annual Report for summary of activities related to planning and development of an Outreach Campaign.**

C.7.c. Stormwater Pollution Prevention Education

Local stormwater phone number(s)	**925-313-2392**
Local/Regional stormwater website(s)	**Local: http://www.moraga.ca.us/dept/publicworks/water** **Regional: http://www.cccleanwater.org/contact/**

Outreach:

Local efforts to publicize the stormwater point of contact include About Town articles (the Town-published newsletter) and outreach materials provided at the Community Faire and Pear/Wine festival. In addition, the Town publishes stormwater outreach articles the Town Crier approximately 3 times annually (see Attachment C.7.c). See the CCCWP's FY 15-16 Annual Report, Section C.7 "Public Information and Outreach" for details on how the CCCWP maintains and publicizes the stormwater point of contact and provides stormwater pollution prevention education.

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

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

Event Details	**Description** (messages, audience)	Evaluation of Effectiveness
Community Faire in Moraga, May 14, 2016	**This is an informational, "get-acquainted" type of event to introduce goods and services to the residents. Held at one of the two shopping centers, the attendance has held steady. Clean Water materials were distributed and questions answered. Mr. Funnelhead attended the event, increasing outreach to children.**	**About 180 residents visited the booth, similar to last year, in part due to the use of the diorama. Clean water information items were distributed. Nearly 80 attendees filled out a clean water survey to receive giveaways (see Attachment C.7.d). As shown by the survey results, the residents are very well educated about stormwater.**
Wine and Pear Festival at Commons Park in Moraga, September 26, 2015	**Public festival with informational booths, food and entertainment. Provided trash removal, Clean Water program materials, and answered questions from residents. Mr. Funnelhead attended the event also.**	**This annual event is well attended by residents and visits to the stormwater information booth reflect a moderate level of interest. Approximately 325 attendees visited the stormwater booth. A total of 34 attendees completed a clean water survey to receive giveaways (see Attachment C.7.d). The survey results depict a high education level with respect to stormwater. Same outreach material provided as at Community Faire.**
2016 Community Watershed Stewardship Grant Program	**See the FY 15/16 Group Program Annual Report, Section C.7 for event description.**	**See the FY 15/16 Group Program Annual Report, Section C.7, for further details regarding the effectiveness of this event.**
CCCCleanWater.org Community Calendar	**See the FY 15/16 Group Program Annual Report, Section C.7 for event description.**	**See the FY 15/16 Group Program Annual Report, Section C.7, for further details regarding the effectiveness of this event.**
MyGreenGarden.org	**See the FY 15/16 Group Program Annual Report, Section C.7 for event description.**	**See the FY 15/16 Group Program Annual Report, Section C.7, for further details regarding the effectiveness of this event.**

Event Details	**Description** (messages, audience)	Evaluation of Effectiveness
Bringing Back the Natives Garden Tour, May 2016	**Tour to encourage landscaping using native plants, minimizing pesticides and fertilizer use, water conservation, mulching and composting, etc. for East Bay residents. One garden in Moraga was featured on this year's tour.**	**See the FY 15/16 Group Program Annual Report, Section C.7, for further details regarding the effectiveness of this event.**
Our Water Our World	**See the Fiscal Year 2015/2016 Group Program Annual Report, Section C.7 for further information.**	**See the Fiscal Year 2015/2016 Group Program Annual Report, Section C.7 for further information.**

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:

Please see the CCCWP's Fiscal Year 2015-2016 Annual Report, Section 7 Public Information and Outreach for a full description of BASMAA and the CCCWP's encouragement and support of various Watershed Stewardship Collaborative Efforts, which includes involvement in the 2016 Community Watershed Stewardship Grant Program, sponsorship of the 2016 Bringing Back the Natives Garden Tour, CCCWP-staff participation in the Contra Costa Watershed Forum, support of the Green Business Program, and the Program's website CCCleanWater.org Community Calendar. Each of these activities/programs is described in full, including an evaluation of effectiveness, in the CCCWP Annual Report.

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
Mr. Funnelhead	**Mr. Funnelhead entertains while he teaches about the importance of storm drain pollution and the recycling of used motor oil and filters. Along the way, Mr. Funnelhead encounters different characters improperly disposing used motor oil. The shows include a state of the art sound system, lights, special effects and quality actors as well as a diorama. Mr. Funnelhead attended both the Community Faire and the Wine and Pear Festival.**	**See the C.7 Section of the CCCWP's FY 15-16 Annual Report for further information.**	**See the C.7 Section of the CCCWP's FY 15-16 Annual Report for further information.**

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
"Be Classy Not Trashy" Youth Outreach Litter Campaign	**See the C.7 Section of the CCCWP's FY 15-16 Annual Report for further information.**	**See the C.7 Section of the CCCWP's FY 15-16 Annual Report for further information.**	**See the C.7 Section of the CCCWP's FY 15-16 Annual Report for further information.**
2016 Community Watershed Stewardship Grant Program	**See the C.7 Section of the CCCWP's FY 15-16 Annual Report for further information.**	**See the C.7 Section of the CCCWP's FY 15-16 Annual Report for further information.**	**See the C.7 Section of the CCCWP's FY 15-16 Annual Report for further information.**

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: **NA**

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

Trends in Quantities and Types of Pesticides Used[61]

Pesticide Category and Specific Pesticide Used	Amount[62]					
	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21
Organophosphates	**0**					
Pyrethroids	**0**					
Carbamates	**0**					
Fipronil	**0**					
Indoxacarb	Reporting not required in FY 15-16					
Diuron	Reporting not required in FY 15-16					
Diamides	Reporting not required in FY 15-16					

IPM tactics and strategies used by the Town of Moraga include using only organic fertilizer in Town parks, installing owl boxes and traps to maintain gopher pollutions instead of using poison bait, and installing bat boxes at creeks to help control mosquitos.

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

C.9.b ►Train Municipal Employees

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

Type of Training:

Town maintenance staff all attended a full-day training put on the Sonoma County Regional Parks Department on November 19, 2015. Topics included protecting wildlife from impacts of rodenticides, less toxic ways to reduce landscape stress during drought (put on by Annie Joseph of Our Water, Our World), and attracting beneficial insects for biological pest control. The seminar supplied current pesticide application information and promoted IPM and the sensible use of chemical control.

C.9.c ►Require Contractors to Implement IPM

Did your municipality contract with any pesticide service provider in the reporting year?		**Yes**	**X**	**No**

If yes, briefly describe how contractor compliance with IPM Policy/Ordinance and SOPs was monitored

Town staff performs all tasks related to IPM in-house because the Town staff is trained in proper pesticide application methods. Through a partnership with the Town of Moraga and the Contra Costa County Agriculture Department, County Agricultural staff treated the star thistle on Mulholland Ridge this year. Spraying the thistle was done in a localized fashion by treating each thistle plant individually at its root with Roundup (glyphosate). This type of localized treatment is recommended by local agencies such as EBMUD, EPRBD, respected environmental experts and follows the Town's Integrated Pest Management Policy.

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.

Please see the CCCWP's FY 15-16 Annual Report, Section C.9 Pesticide Toxicity Controls for a summary of the CCCWP's communication with Contra Costa County Agricultural Commissioner.

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.

NA

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

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

Summary:

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

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

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

Summary:

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

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

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

Summary:

See the C.9 Pesticides Toxicity Control section of the CCCWP's FY 15-16 Annual Report for a summary of public outreach to pest control operators and landscapers.

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

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

Summary:

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

Section 10 - Provision C.10 Trash Load Reduction

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

For Population-based Permittees, provide an estimate of the overall trash reduction percentage achieved to-date within the jurisdictional area of your municipality that generates problematic trash levels (i.e., Very High, High or Moderate trash generation). Base the estimate on the information presented in C.10.b i-iv and C.10.e.i-ii. Provide a discussion of the trash estimate below, including whether the applicable trash reduction performance guideline or deadline was attained. If not attained, include a discussion of next steps (e.g., development of a detailed plan or report of non-compliance).

Trash Load Reductions	
Percent Trash Reduction in All Trash Management Areas (TMAs) due to **Trash Full Capture Systems** (as reported C.10.b.i)	**21%**
Percent Trash Reduction in all TMAs due to **Control Measures Other than Trash Full Capture Systems** (as reported in C.10.b.ii)	**0%**
Percent Trash Reduction due to **Jurisdictional-wide Source Control Actions** (as reported in C.10.b.iv)	**0%**
SubTotal for Above Actions	**21%**
Trash Offsets (Optional)	
Offset Associated with Additional Creek and Shoreline Cleanups (as reported in C.10.e.i)	**0%**
Offset Associated with Direct Trash Discharges (as reported in C.10.e.ii)	**0%**
Total Estimated % Trash Load Reduction in FY 15-16	**21%**

Discussion of Trash Load Reduction Estimate:

Based on the measures implemented thus far, the Town of Moraga is not meeting the trash reduction performance guideline of 60%. Attachment C.10.a.i provides the Town's plan for reaching the trash reduction deadline of 70% by July 1, 2017.

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

Provide the following:

1) Total number and types of full capture systems (publicly and privately-owned) installed prior to FY 15-16, during FY 15-16, and to-date, including inlet-based and large flow-through or end-of-pipe systems, and qualifying low impact development (LID) required by permit provision C.3.
2) Total land area (acres) treated by full capture systems for population-based Permittees and total number of systems for non-population based Permittees compared to the total required by the permit.

Type of System	# of Systems	Areas Treated (Acres)
Installed Prior to FY 15-16		
Connector Pipe Screens/Filters	**31**	**31**
Installed in FY 15-16		
N/A	**N/A**	**0**
Total for all Systems Installed To-date	**31**	**31**
Treatment Acreage Required by Permit (Population-based Permittees)		**32**
Total # of Systems Required by Permit (Non-population-based Permittees)		**N/A**
Note: The treatment acreage of 31 acres Is less than the 33 acres reported in the FY14-15 Annual Report with the same number/location of devices. The Town is looking into the reason behind this change, which may be due to rounding differences arising from this year's move to a new GIS platform and/or moving public schools to non-jurisdictional. The calculated acreage is being reviewed.		

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

Provide the following:

1) Jurisdictional-wide trash reduction in FY 15-16 attributable to trash full capture systems implemented in each TMA;
2) The total number of full capture systems installed to-date in your jurisdiction;
3) Since the effective date of MRP 2.0 (January 1, 2016), the percentage of systems that exhibited significant plugged/blinded screens or were >50% full when inspected or maintained;
4) A narrative summary of any maintenance issues and the corrective actions taken to avoid future full capture system performance issues; and
5) A certification that each full capture system is operated and maintained to meet the full capture system requirements in the permit.

TMA	Jurisdiction-wide Reduction (%)	Total # of Full Capture Systems	% of Systems Exhibiting Plugged/Blinded Screens or >50% full	Summary of Maintenance Issues and Corrective Actions
1	**7.6**	**31**	**0%**	**Missing filter to be replaced.**
2	**5.9**			
3	**7.0**			
4	**0.0**			
5	**0.0**			
Total	**20.6**			

Certification Statement: The Town of Moraga 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
NA	**No other trash control actions implemented.**

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

Provide the following:

1) A summary of the on-land visual assessments in each TMA (or control measure area), including the street miles or acres available for assessment (i.e., those associated with VH, H, or M trash generation areas not treated by full capture systems), the street miles or acres assessed, the % of available street miles or acres assessed, and the average number of assessments conducted per site within the TMA; and
2) Percent jurisdictional-wide trash reduction in FY 15-16 attributable to trash management actions other than full capture systems implemented in each TMA.

TMA ID or *(as applicable)* Control Measure Area	**Total Street Miles or Acres Available for Assessment**	**Summary of On-land Visual Assessments**			**Jurisdictional-wide Reduction (%)**
		Street Miles or Acres Assessed	**% of Applicable Street Miles or Acres Assessed**	**Avg # of Assessments Conducted at Each Site**	
1	**1.0**	**0.0**	**0.0**	**0**	**0.0**
2	**1.4**	**0.0**	**0.0**	**0**	**0.0**
3	**0.3**	**0.0**	**0.0**	**0**	**0.0**
4	**0.0**	**0.0**	**0.0**	**0**	**0.0**
5	**0.0**	**0.0**	**0.0**	**0**	**0.0**
	Total	**0.0**	**0.0**	**0**	**0**

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

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

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

C.10.c ► Trash Hot Spot Cleanups

Provide the FY 15-16 cleanup date and volume of trash removed during each MRP-required Trash Hot Spot cleanup during each fiscal year listed. Indicate whether the site was a new site in FY 15-16.

Trash Hot Spot	New Site in FY 15-16 (Y/N)	FY 15-16 Cleanup Date(s)	Volume of Trash Removed (cubic yards)				
			FY 2011-12	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
Moraga Creek (across from Campolindo High School, Moraga Road; Latitude 37.868092, Longitude -122.124997)	**N**	**August 27, 2016**	**~0.20 cubic yards**	**~0.20 cubic yards**	**~0.04 cubic yards**	**~0.03 Cubic Yards**	**~0.04 Cubic Yards**

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

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

Description of Significant Revision	Associated TMA
The Town revised baseline trash generation rates during 2015-2016 to better depict accurate baseline trash generation. The Town performed assessments and used staff knowledge to update the maps. An updated map has been included as an attachment to the report (Attachment C.10.d)	**1**
The Town moved St. Mary's College from Non-jurisdictional to jurisdictional. After assessments were performed, St. Mary's has been placed in TMA 5 with a low generation rate. An updated map has been included as an attachment to the report (Attachment C.10.d)	**5**
For this year public schools (K-12, community colleges, and public universities) have been reclassified as a non-jurisdictional land use. An updated map has been included as an attachment to the report (Attachment C.10.d)	**N/A**

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

Provide a summary description of each offset program implemented, the volume of trash removed, and the offset claimed in FY 15-16. Also, for additional creek and shoreline cleanups, describe the number and frequency of cleanups conducted, and the locations and cleanup dates. For direct discharge control programs approved by the Water Board Executive Officer, also describe the results of the assessments conducted in receiving waters to demonstrate the effectiveness of the control program. Include an Appendix that provides the calculations and data used to determine the trash reduction offset.

Offset Program	Summary Description of Actions and Assessment Results	Volume of Trash (CY) Removed/Controlled in FY 15-16	Offset (Jurisdiction-wide Reduction %)
Additional Creek and Shoreline Cleanups (Max 10% Offset)	**N/A - All of the Creeks except for the small section where the annual Hot Spot Cleanup is performed are privately owned. The Town does not have creek or shoreline opportunities to take advantage of.**	**N/A**	**0%**

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

Provide a summary description of each offset program implemented, the volume of trash removed, and the offset claimed in FY 15-16. Also, for additional creek and shoreline cleanups, describe the number and frequency of cleanups conducted, and the locations and cleanup dates. For direct discharge control programs approved by the Water Board Executive Officer, also describe the results of the assessments conducted in receiving waters to demonstrate the effectiveness of the control program. Include an Appendix that provides the calculations and data used to determine the trash reduction offset.

Direct Trash Discharge Controls (Max 15% Offset)	**NA**	**NA**	**NA**

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

TMA	2009 Baseline Trash Generation (Acres)					Trash Generation (Acres) in FY 15-16 After Accounting for Full Capture Systems					Jurisdiction-wide Reduction via Full Capture Systems (%)	Trash Generation (Acres) in FY 15-16 After Accounting for Full Capture Systems 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	34	0	0	34	8	27	0	0	34	7.6	8	27	0	0	34	0.0	7.6
2	0	49	0	0	49	6	43	0	0	49	5.9	6	43	0	0	49	0.0	5.9
3	0	16	0	0	16	7	9	0	0	16	7.0	7	9	0	0	16	0.0	7.0
4	3	0	0	0	3	3	0	0	0	3	0.0	3	0	0	0	3	0.0	0.0
5	5855	0	0	0	5855	5855	0	0	0	5855	0.0	5,855	0	0	0	5,855	0.0	0.0
Totals	**5858**	**99**	**0**	**0**	**5957**	**5878**	**79**	**0**	**0**	**5957**	**20.6**	**5,878**	**79**	**0**	**0**	**5,957**	**0.0**	**20.6**

Section 11 - Provision C.11 Mercury Controls

C.11.a ► Implement Control Measures to Achieve Mercury Load Reductions
C.11.b ► Assess Mercury Load Reductions from Stormwater
C.11.c ► Plan and Implement Green Infrastructure to Reduce Mercury Loads
C.11.d ► Prepare Implementation Plan and Schedule to Achieve TMDL Allocations
C.11.e ► Implement a Risk Reduction Program

Summary:

A summary of countywide and regional accomplishments for these sub-provisions are included within the C.11 Mercury Controls section of the CCCWP's FY 15-16 Annual Report and/or BASMAA regional reports.

Section 12 - Provision C.12 PCBs Controls

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

Summary:

A summary of Permittee, CCCWP and BASMAA regional accomplishments for these sub-provisions are included within the C.12 PCB Controls section of the CCCWP's FY 15-16 Annual Report and/or BASMAA regional reports.

Section 13 - Provision C.13 Copper Controls

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

(For FY 15-16 Annual Report only) Do you have adequate legal authority to prohibit the discharge of wastewater to storm drains generated from the installation, cleaning, treating, and washing of copper architectural features, including copper roofs?	X	**Yes**		**No**

(For FY 15-16 Annual Report only) Provide a summary of how copper architectural features are addressed through the issuance of building permits.

Summary:

The Town's Design Guidelines preclude use of copper for any component of the roofing system (roofing material, gutters, downspouts, splash pads, screens, etc.). Use of copper materials would need to go before the Design Review Board, which has never occurred.

(FY 15-16 Annual Report and each Annual Report thereafter) 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 Town did not issue any permits for any projects with copper architectural features and as such, no enforcement actions were taken regarding use of appropriate BMPs.

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

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

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

Summary:

The Town utilizes the CCCWP pamphlet addressing appropriate BMPs for draining pools, spas and fountains (http://www.cccleanwater.org/_pdfs/Pool_Spa_Brochure.pdf). This tri-fold informs residents/contractors of maintenance items that reduce the need to drain pools and spas, instructs in the proper procedures for pool draining (discharge to sanitary sewer), and provides tips for locating the sanitary sewer clean-out. In addition, CCCSD also has a no-fee permit for discharging water from pools and spas and provides BMP information on its webpage (http://www.centralsan.org/index.cfm?navId=203). The Town's website has links to the CCCWP website where this pamphlet can be found.

(FY 15-16 Annual Report and each Annual Report thereafter) Provide summaries of any enforcement activities related to copper-containing discharges from pools, spas, and fountains.
Summary: **No enforcement activities related to copper-containing discharges from pools, spas, or fountains occurred this year.**

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 were inspected in FY 15-16 under the Provision C.4 industrial and commercial business inspection program that are potential users or sources of copper. No such facilities are known to exist in the Town of Moraga.**

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

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

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

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

Summary:

The Town supports the use of less toxic pest control measures and models its own IPM policy for other agencies. The Town supports use of native and drought tolerant vegetation through the Bringing Back the Natives effort and in all new development approval processes described in Section C.3.a above. The Town also responds to all complaints of illicit discharges. In addition, through the CCCWP, the Town of Moraga promotes and implements several programs and measures to minimize pollutant loading from excess irrigation including, but not limited to:

- **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.**
- **Bay Friendly Landscaping and Gardening Training and Certification Program, which promotes to landscapers a variety of measures designed to reduce waste and prevent stormwater pollution.**

Attachment C.4.b.iii
FY 2015-2016 Potential Facilities List
Town of Moraga

Name	Address	City	Program Category
Aegis Living	950 Country Club Drive	Moraga	Assisted Living
Moraga Royale Retirement Home	1600 Canyon Road	Moraga	Assisted Living
Rheem Valley Convalescent Hospital	348 Rheem Blvd	Moraga	Assisted Living
Moraga Wine & Spirits	1437 Moraga Way	Moraga	Commercial
Rheem Theater	350 Park Street	Moraga	Commercial
Lamorinda Cleaners	629 Moraga Road	Moraga	Dry Cleaner
Moraga Cleaners And Laundry	1425 Moraga Way	Moraga	Dry Cleaner
Moraga Cleaners X-press	1480 Moraga Road F	Moraga	Dry Cleaner
One Hour Martinizing	492 Center Street	Moraga	Dry Cleaner
Rheem Valley Cleaners	568 Center Street	Moraga	Dry Cleaner
Rodgers Cleaners	339 Rheem Blvd	Moraga	Dry Cleaner
Moraga-Orinda Fire District	1280 Moraga Way	Moraga	Fire Station
Moraga-orinda Fire District Station 42	555 Moraga Road	Moraga	Fire Station
Moraga Corporate Yard	335 Rheem Blvd	Moraga	Fleet Operations
7-Eleven	633 Moraga Road	Moraga	Food Service
Asia Palace	1460 Moraga Road B	Moraga	Food Service
Bianca's Delicatessen	1480 Moraga Road A	Moraga	Food Service
Burger King	470 Moraga Road	Moraga	Food Service
Chef Chao	343 Rheem Blvd	Moraga	Food Service
China Moon	380 Park Street	Moraga	Food Service
Golden Palace	581 Moraga Road	Moraga	Food Service
Graze	376 Park Street	Moraga	Food Service
Homemade Kitchen Café And Bakery	337 Rheem Blvd	Moraga	Food Service
Jack In The Box	1440 Moraga Way	Moraga	Food Service
Kirin Sushi	356 Park Street	Moraga	Food Service
Lamorinda Pizza	382 Park Street	Moraga	Food Service
Little Hearty Noodle	578 Center Street	Moraga	Food Service
Loard's Ice Cream	1480 Moraga Road H	Moraga	Food Service
Michaels's Ristorante	1375 Moraga Way A	Moraga	Food Service
Moraga Band Shell Snack Bar	1425 St Marys Road	Moraga	Food Service
Mountain Mike's Pizza	504 Center Street	Moraga	Food Service
Mucho Wraps	1375 Moraga Way	Moraga	Food Service
Nation's Hamburgers	400 Park Street	Moraga	Food Service
New Dehli Bistro	484 Center Ave	Moraga	Food Service
Pennini's	1375 Moraga Way D	Moraga	Food Service
Ranch House Cafe	1012 School Street	Moraga	Food Service
Ristorante Amoroma	360 Park Street	Moraga	Food Service
Round Table Pizza	361 Rheem Blvd	Moraga	Food Service
Royal Siam	512 Center Street	Moraga	Food Service
Si Si Caffe	910 Country Club Drive	Moraga	Food Service
Sodexo (working Inside St. Mary's College Cafeteria)	1928 St Marys Road	Moraga	Food Service
Starbuck's	500 Moraga Road	Moraga	Food Service
Subway Sandwiches	396 Park Street	Moraga	Food Service
Sushi Fighter	356 Park Street	Moraga	Food Service
Taco Bell	410 Moraga Road	Moraga	Food Service
Tangelo	384 Park Street	Moraga	Food Service

Attachment C.4.b.iii
FY 2015-2016 Potential Facilities List
Town of Moraga

Name	Address	City	Program Category
Terzetto Cuisine Café	1419 Moraga Way	Moraga	Food Service
Vincenza Ranch	35 Hanson Court	Moraga	Food Service
Arco Gas Station And Car Wash	425 Moraga Road	Moraga	Gas Station
Lamorinda Auto Care	1455 Moraga Way	Moraga	Gas Station
Moraga Auto Care, Inc.	1135 Moraga Way	Moraga	Gas Station
Moraga Service Center	1500 Canyon Road A	Moraga	Gas Station
Moraga Valero	1410 Moraga Road	Moraga	Gas Station
Stars Gas Station	398 Rheem Blvd	Moraga	Gas Station
Moraga Country Club	1600 St Andrews Drive	Moraga	Golf Course
Moraga Produce	576 Center Street	Moraga	Grocery Store
Safeway Store	1355 Moraga Way	Moraga	Grocery Store
Bullfrog Creek Vineyard	35 Hansen Court	Moraga	Manufacturing
Moraga Garden Center	1400 Moraga Road	Moraga	Nursery
Acalanes Union High School District	310 Moraga Road	Moraga	Permitted IU
Captain Vineyards	1969 Joseph Drive	Moraga	Permitted IU
Parkmon Vineyards	55 Laird Drive	Moraga	Permitted IU
St. Mary's College	1928 St Marys Road	Moraga	Permitted IU
Moraga Ranch Swim Club	8 El Camino Flores	Moraga	Pool
CVS Pharmacy	1480 Moraga Road D	Moraga	Retail
CVS Pharmacy	580 Center Street	Moraga	Retail
Orchard Supply Hardware	1550 Canyon Road	Moraga	Retail
Saint Mary's College Rheem Campus	380 Rheem Blvd	Moraga	School/College
Autohaus Stuttgart	383 Rheem Blvd	Moraga	Vehicle Service
Moraga Auto Care & Service	1135 Moraga Way	Moraga	Vehicle Service
Moraga Motors	530 Moraga Road	Moraga	Vehicle Service
Nick's Auto Service	1410 Moraga Road	Moraga	Vehicle Service
Rheem Valley Auto Care	398 Rheem Blvd	Moraga	Vehicle Service
Rheem Valley Auto Center	455 Center Street	Moraga	Vehicle Service

Attachment C.5.c.iii

Town of MORAGA

YOU ARE HERE: Government/Public Works/Clean Water Program

Clean Water Program

The Contra Costa Clean Water Program is dedicated to maintaining a healthy environment in Contra Costa's beautiful creeks, rivers, the Delta and the Bay.

In 1972, The Federal Water Pollution and Control Act was enacted. In 1987, it was amended and is currently known as the Clean Water Act (CWA). In accordance with CWA amendments, regulations require municipalities to obtain permits which outline programs and activities to control surface stormwater pollution.

To comply with these regulations, Contra Costa County, nineteen of its incorporated cities and the Contra Costa Flood Control & Water Conservation District have joined together to form the Contra Costa Clean Water Program (CCCWP). The CCCWP strives to eliminate stormwater pollution through public education, inspection and enforcement activities and industrial outreach.

For more information regarding the Contra Costa Clean Water Program, including information on stormwater issues, watershed characteristics, and stormwater pollution prevention, please refer to the following links:

• Point of Contact: http://www.cccleanwater.org/contact/
• Stormwater Issues: http://www.cccleanwater.org/stormwaterissues101/
• Watershed Characteristics: http://www.cccleanwater.org/watersheds/watershedmaps/
• Stormwater Pollution Prevention Alternatives: http://www.cccleanwater.org/preventpollution/landscaping/

The Town of Moraga continues its efforts for NPDES compliance with the federally mandated NPDES program. The goal of the National Pollutant Discharge Elimination Program (NPDES) is to reduce the discharge and runoff of non-point source pollutants (NPS) into storm drains which lead to our creeks, reservoirs, and San Francisco Bay.

Highlights of the program include inspection of construction activities for permit compliance, annual cleaning of drainage structures, inspection of all drainage culverts, weekly trash collection, marking of storm drains, and other maintenance to comply with the clean water regulations.

To report a spill or illegal dumping, please call The Moraga Police Department at (925) 284-5010.

Learn more in the Stormwater C.3 Guidebook (5th Edition).

What is a storm drain?

A storm drain is very different from the drains inside a home. Any water that leaves your house through a kitchen or bathroom drain flows to a sewage treatment facility. At a sewage treatment facility, the water undergoes a cleaning process.

Water that flows down a storm drain does not make its way to a water treatment facility. Instead, whatever flows down a storm drain flows directly to a creek, canal, lake, or other body of water.

In Contra Costa County, storm drains flow directly to local creeks, San Francisco Bay, San Leandro Reservoir, and the delta with no treatment. Storm water pollution is a serious problem for wildlife dependent on our waterways and for the people who live near polluted streams or baylands.

In the Town of Moraga it is the RESIDENT'S RESPONSIBILITY to maintain the drainage structures on their private property. These drainage structures usually consist of concrete lined swales that empty into a catch basin that drains to the Town maintained storm drain system at the street.

Periodically, educational flyers are sent to all residents, students, and property owners to better inform them on water conservation and pollution prevention. Please take the time to read these flyers.

Educational Materials

Feel free to stop by the Public Works office at the 329 Rheem Blvd. for more materials and information. We provide rulers, magnetic clips, flower seed paper for planting, Clean Water Program and ladybug pens, Mr. Funnelhead coloring books, and informational flyers. We also have Municipal Separate Storm Sewer System (MS4) maps available at our office for public review.

For more clean water resources refer to our additional resources section.

What is nonpoint source pollution?

Nonpoint source (NPS) pollution, unlike pollution from industrial and sewage treatment plants, comes from many diffuse sources. NPS pollution is caused by rainfall or snowmelt moving over and through the ground. As the runoff moves, it picks up and carries away natural and human-made pollutants, finally depositing them into creeks, lakes, wetlands, San Francisco Bay, and even our underground sources of drinking water. These pollutants include:

- Excess fertilizers, herbicides, and insecticides from agricultural lands and residential areas;
- Oil, grease, and toxic chemicals from motor vehicles and equipment;
- Sediment from improperly managed construction sites, crop and forest lands, and eroding stream banks;
- Salt from irrigation practices and acid drainage from abandoned mines;
- Bacteria and nutrients from livestock, pet wastes, and faulty septic systems;

The following are links to helpful flyers about the most common sources of household runoff pollution:

Washing A Car In Your Driveway
Pet Waste
Leaking Motor Oil On the Street
Fertilizing Your Lawn
Draining Pools and Spas

YOU ARE HERE: Government/Public Works

Public Works

Office hours: Monday - Friday 9:00 am - 5:00 pm
Location: 329 Rheem Boulevard, Moraga CA 94556
Corporation Yard: 335 Rheem Boulevard, Moraga CA 94556

The mission of the Public Works, Parks, and Building Maintenance Divisions of the Public Works Department is to provide the citizens, property owners, and visitors to the Town of Moraga with quality roadways to travel on, well-kept parks for recreation and well maintained facilities to use.

The maintenance crews operation from 7:00 am - 3:30 pm. Given the field nature of their work, they are unavailable without an appointment. To make an appointment, contact the Public Works Department at (925) 888-7026 or at publicworks@moraga.ca.us.

Maintenance | Engineering | Staff

Maintenance

The mission of the Public Works, Parks, and Building Maintenance Divisions of the Public Works Department is to provide the citizens, property owners, and visitors to the Town of Moraga with quality roadways to travel on, well-kept parks for recreation and well maintained facilities to use.

As a limited service municipality, the Town utilizes a number of volunteers and court appointed workers to provide basic services. The Town also maintains all Town owned properties, including the Moraga Commons, Rancho Laguna Park, Hacienda de las Flores, Town Offices at 329 Rheem and 331 Rheem, and the Moraga Library (which is operated by Contra Costa County.)

Rheem Boulevard Sinkhole

For the information on Rheem Boulevard Sinkhole please visit project's webpage.

Summer 2016 Paving Projects

Where are paving activities occurring in Town? click here for the latest three-week look ahead schedule or visit our Measure K facebook page. For more information about our paving projects click here.

Potholes

The Public Works Department has unveiled a new way to bring potholes to their attention. Residents can now send a text or e-mail to potholes@moraga.ca.us, which will allow staff to better track and manage pothole repair requests. E-mail and text messages also allow for pictures, which make locating and prioritizing the repair much more efficient. To best assist staff with locating and repairing potholes, please include your name along with the address of the pothole, as well as any landmarks which will be helpful in locating it.

Due mainly to budget constraints and staffing levels, the Public Works staff currently performed pothole repairs once each month, at the

beginning of the month. The new text/e-mail system will help the Maintenance crews to more efficiently maintain Moraga's streets and spend its limited resources wisely.

Emergency Services

The Town of Moraga is a limited service municipality. We have no major equipment and a limited number of maintenance workers on staff. Most of our construction and repair projects are completed on a contractual basis. To assist you in resolving your specific problem, we have developed an Emergency Services List that lists local suppliers and contractors that may be able to help you.

Clean Water Program

In the Town of Moraga, storm drains flow directly to local creeks, San Francisco Bay, San Leandro Reservoir, and the delta with no treatment. We are dedicated to maintaining a healthy environment in our beautiful creeks, rivers, the Delta and the Bay. Learn more about our Clean Water Program here. To report a spill or illegal dumping, please call The Moraga Police Department at (925) 284-5010.

Open Bids

Project	Mandatory Pre-Bid Meeting	Bid Close Date	Documents
Moraga Library Restroom Renovation	Thursday, October 22nd 2015, at 10:00 a.m.	Tuesday, November 10th, 2015 at 2:00 p.m.	Bid Results
Commons Park Sand Volleyball Court Renovation	Monday, November 16th, 2015 at 10:00 a.m.	Wednesday, December 2nd, 2015 at 2:00 p.m.	Bid Results
Moraga Library HVAC System Renovation	Wednesday, February 17, 2016 at 10:30 a.m.	Tuesday, March 1, 2016 at 2:00 p.m.	Bid Results
2016 Full Depth Reclamation Project	Wednesday, May 4, 2016 at 10:00 a.m.	Tuesday, May 17, 2016 at 2:00 p.m.	Bid Results
Moraga Road Underground Utility District	Wednesday, May 25, 2016 at 10:00 AM	Tuesday, June 7, 2016 at 2:00 PM	Bid Results
Moraga Road Bicycle and Pedestrian Improvements Project	Tuesday, August 9, 2016 at 10:00 AM (Non-Mandatory)	Tuesday, August 23, 2016 at 2:00 PM	Notice Inviting Bid Addendum #1
Moraga RFQ for On-Call Civil Engineering Services	None	SOQ and Proposal Due Monday, September 12,	RFQ/RFP for On-Call Services

RFP for St. Mary's Rd. Double Roundabouts Project		2016 at 3:00pm	for Double Roundabouts

Public Works Updates

- The Town will no longer be watering the ornamental turf on public street medians, following the State mandated 25% reduction in potable urban water usage.

Pavement Management Program

For general information regarding the Town's Pavement Management Program, click here.

Bollinger Canyon Road Culvert Repair Project - Notice of Intent

Bollinger Canyon Road Culvert Repair Project - Mitigated Neg. Declaration

Canyon Road Bridge Replacement Project

For information on the Canyon Road Bridge Project, click here.

Rheem Boulevard On Street Parking Project

For information on the Rheem Blvd. On Street Parking Project, click here.

Applications and Permits

Consultants Bid Application

Contractors Bid Application

Grading Permit

Land Development Permit

Land Development Services Information

Encroachment & Transportation Permit

Resources

Emergency Services

Development Impact Fee Study
> Storm Drainage Needs Study
> Local Transportation Mitigation Fee Study
> Public Safety Impact Fee Report
> General Government Impact Fee Report
> Addendum No. 1

Roads Assessment PowerPoint Presentation
ABAG Shaking Intensity Maps and Information

Utilities, Clean Water and Other Important Links
FAQs

Park Development Impact Fee Study

List of Moratorium Streets

Street Light Request Info Flyer

MORAGA
Town Crier
Fall 2015

Sewers & Storm Drains: Two Different Systems

The Sewer System—Flows to Treatment Plant

Every time you flush a toilet or send water down a drain, it ends up in the sewer system. The public sewer main pipes are owned and maintained by the Central Contra Costa Sanitary District. The private sewer lateral pipes that connect houses or businesses to the public sewer main are owned and maintained by the property owners. The sewer system carries wastewater through this network of pipes to the wastewater treatment facility in Martinez, where it is treated and disinfected before being released into Suisun Bay or recycled for irrigation and other nonpotable purposes.

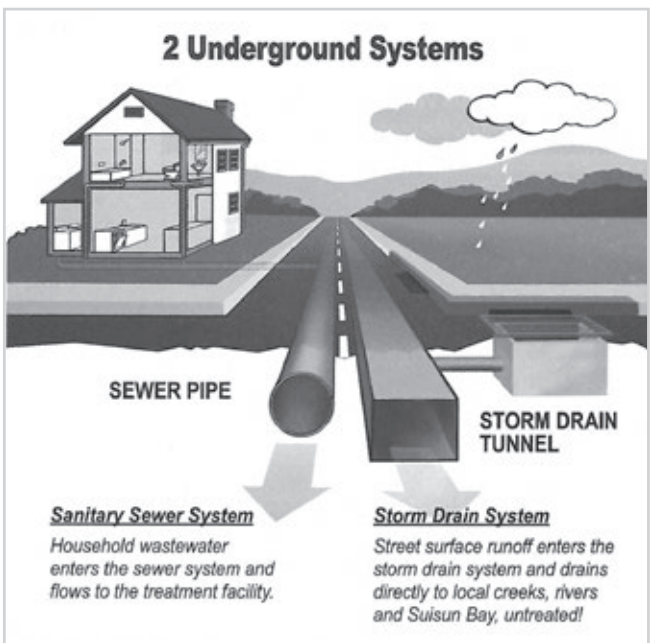
Contrary to popular belief, the grated hole on the street corner does not lead to the sewer, it leads to the storm drain.

The Storm Drain System—Flows to Bay Without Treatment

The storm drain system is a network of pipes, catch basins, and natural drainage ditches. This system collects runoff from rain, irrigation, sprinklers, etc. and transports the water—untreated—to Suisun Bay or other natural waterways. In the case of Moraga it drains directly in to the San Leandro Reservoir.

Both Systems Affect the Environment

Water is our most precious resource. Please help us to protect the environment by keeping pollutants out of both systems.



If Disaster Struck Would You Know What To Do?

Household accidents as well as natural disasters can happen at any time and often without warning. Having the necessary supplies and basic emergency training will make a difference in how effectively you manage the situation.

Lamorinda CERT (Community Emergency Response Team) Class Registration is Open. Upcoming classes will be held in fall in Orinda on Thursday nights 9/10-10/22, and winter in Lafayette on Tuesday nights 1/12-2/23. The course of six classes followed by a drill allows participants to practice basic emergency preparedness and first aid skills. Classes are open to residents and employees of the Lamorinda area, and are free of cost, however we do ask for a commitment to attend all classes. Registration for upcoming sessions can easily be done online at lamorindacert.org

Learn how to be prepared. Your family's life might depend on it in an emergency!

CERT COMMUNITY EMERGENCY RESPONSE TEAM
Lamorinda CERT

Moraga Chamber of Commerce

The Mission of the Moraga Chamber of Commerce is to advance economic vitality by providing advocacy, information and services to members and the Moraga community at large. The volunteer organization needs community participation by shopping in Moraga first and supporting local businesses. This has a two-fold effect in that, aside from providing a service, local businesses invest in Moraga schools, sports and fundraising activities. A vital business environment also attracts new stores, restaurants and services that add to the quality of life here in Town.

EVENTS:

Tuesday, August 25

Chamber/Community BBQ sponsored by Safeway Stores. This event continues to grow in popularity, so grab your neighbors and friends and join the Chamber for an old fashioned barbecue at the Moraga Commons Park from 5:30 to 7:30 pm.

Monday, September 21

4th annual Golf (and for the first time) Tennis Tournament at the Moraga Country Club followed by a light dinner and professional auction provided by Antiquities of San Francisco.

Visit moragachamber.org for details.

MORAGA CHAMBER OF COMMERCE

Town Council*

Mayor: Roger Wykle
Vice Mayor: Mike Metcalf
Council Members: Phil Arth, Teresa Onoda, Dave Trotter
**at date of publication*

Town Staff

Town Manager: Jill Keimach
Town Clerk: Marty McInturf
Administrative Services Director: Amy Cunningham
Parks & Recreation Director: Jay Ingram
Planning Director: Ellen Clark
Police Chief: Robert Priebe
Public Works Director/Town Engineer: Edric Kwan
Town Attorney: Michelle Kenyon
Town Treasurer: Bradley Ward

Town Directory

Main ..... (925) 888-7050
Police ..... (925) 888-7055
Police Dispatch ..... (925) 284-5010
Public Works. ..... (925) 888-7026
Planning ..... (925) 888-7040
Town Manager ..... (925) 888-7022
Parks & Recreation ... (925) 888-7045
Administrative Services ..... (925) 888-7033
Library ..... (925) 376-6852

Town Offices Holiday Closure Notice
January 18: Martin Luther King Jr. Day
February 15: Presidents' Day
May 30: Memorial Day

9/80 work schedule and increased public counter hours: Monday to Friday, 9:00 am to 12 noon and 1:00 to 5:00 pm daily. Offices will be closed alternate Fridays. Check moraga.ca.us for specific closure dates.

Printing and mailing of the Town Crier partially supported by the Contra Costa Clean Water Program

CONTRA COSTA CLEAN WATER PROGRAM

Preparing Your Property for El Niño

El Niño means there is a greater chance of experiencing heavy rainfall along the Pacific Coast of California in the coming year. Understanding and maintaining your storm drain system is an essential part in preparing for El Niño.

Anything that enters the storm drains flows to the creeks and ends up in San Leandro Reservoir. All materials, such as liquid and trash, that are poured, spilled or dumped on streets, alleys and gutters enter into our storm drain system. To keep our creeks clean it is important only rain water goes down the storm drains.

To ensure water is able to flow easily through the storm drain system to our reservoir, it's essential to remember that **you are all responsible for maintaining storm drains, creeks, and ditches that run through your properties.** By clearing debris and removing any obstructions that could impede the flow of water, this will help water easily flow to our creeks and reservoir.

If storm drain structures become blocked it increases the chance of localized flooding in urban areas. Localized flooding occurs when the storm drain system cannot handle the amount of rainfall in the area. This type of flooding can cause damage to property. Take some time to maintain your storm drainage structures and get prepared for El Niño.

Moraga Education Foundation

The Moraga Education Foundation (MEF) raises funds to benefit all students attending public schools in Moraga. For the 2015-2016 school year, MEF granted $1.5 million to the Moraga School District and $450,000 to Campolindo High School thanks to the generosity of parents, business sponsors and community members who gave last school year.

MEF's annual campaign kicked off in July 2015 with the goal of raising $2.2 million to continue providing the best possible education to Moraga's students. In addition, the foundation is focusing on growing its Endowment, to ensure the long-term stability of school funding in the town.

MEF believes great schools are the cornerstones of a strong community. Financial support from all areas of the community is welcome, as together we build even better schools. Please join MEF in committing to sustain the high quality education Moraga schools provide every student, every day. Donate at moragaeducation.org.

Town Council

Mayor: Mike Metcalf
Vice Mayor: Dave Trotter
Council Members: Phil Arth, Teresa Onoda, Roger Wykle

Town Staff

Interim Town Manager: Robert Priebe
Town Clerk: Marty McInturf
Administrative Services Director: Amy Cunningham
Parks & Recreation Director: Jay Ingram
Planning Director: Ellen Clark
Acting Police Chief: Jon King
Public Works Director/Town Engineer: Edric Kwan
Town Attorney: Michelle Kenyon
Town Treasurer: Bradley Ward

Town Directory

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Town Manager	(925) 888-7022
Parks & Recreation	(925) 888-7045
Administrative Services	(925) 888-7033
Library	(925) 376-6852

Town Offices Holiday Closure Notice

May 30: Memorial Day

July 4: Independence Day

9/80 work schedule and increased public counter hours: Monday to Friday, 9:00 am to 12 noon and 1:00 to 5:00 pm daily. Offices will be closed alternate Fridays. Check moraga.ca.us for specific closure dates.

Printing and mailing of the Town Crier partially supported by the Contra Costa Clean Water Program

COMMUNITY NOTICE

Attention Moraga! The morning of Saturday, April 23, 2016 you will see bicyclists and runners "about town" for our annual Moraga Triathlon. Please drive slowly and look out for bicyclists on Moraga Road, Carroll Ranch, Canyon Road and Camino Pablo. Look for runners in the Campolindo neighborhood. The race starts at 7:30 am and finishes around 11:00 am. Please be safe, use caution and provide a safe environment the morning of the race. For detailed route maps and additional information visit moragatri.com.

10th Annual Moraga TRIATHLON

Seasonal Job Opportunities Available with Town

The Parks & Recreation Department is currently recruiting part-time employees. Positions include Recreation Leader I, Recreation Leader II, and Seasonal Maintenance Worker. Working at Camp Hacienda, the Town-run summer day camp, Recreation Leaders will lead campers in songs, games, crafts, and more! Working with the Parks Maintenance Department, Seasonal Maintenance Workers will assist in the daily maintenance of parks, facilities, medians, and other areas as needed.

For more information including applications, job descriptions, and supplemental questions, please visit moraga.ca.us.

Moraga Youth Involvement Committee Recruitment

Applications are now being accepted for the 16-17 term of the Moraga Youth Involvement Committee, MYIC, deadline is 8/5/16. The MYIC is a committee comprised of students who reside in Moraga who want to contribute to their community and learn the civic process. The MYIC acts as an advisory body to the Town Council on youth related issues, organizes youth/family events for the Moraga Community and completes philanthropic projects that change yearly. For more information or to obtain an application contact Kimberly Nelson at (925) 888-7035 or knelson@moraga.ca.us.

Keeping Your Vehicle (and the Waterways) Clean This Summer

Washing your car at home will save time and money, but be aware that when you are washing your car in the driveway all of the soap, scum, chemicals and oily grit run along the curb, into the storm drain, and then directly into a creek, stream, reservoir, or other body of water. Even if you use biodegradable soaps, the oxygen these products require to break down depletes our creek of the oxygen fish and other organisms need to survive. Instead, wash your car on a grassy area or gravel so the grass and soil can filter the wash water naturally. Use soap sparingly and try to use non-phosphate detergents. Also, use a hose that is high pressure, low volume and has a pistol grip or trigger nozzle to save water. Wash one section of the car at a time and rinse it quickly. When you are finished, empty your bucket of soapy water down the sink, not in the street. The best solution is to take your car to a commercial car wash, especially if you plan to clean the engine or the bottom of the car.

Clean Water Survey

Pear and Wine Festival (September 26, 2015)

1.)	**Storm drains discharge to:**	**Votes**	**Correct**
a.	Rivers, creeks, lakes, and bays	33	97%
b.	Wastewater treatment plant	1	3%
c.	Chemical waste sites for decontamination	0	0%
d.	Barren ground in effort to recharge groundwater	0	0%
	Total	34	

2.)	**Most pollutants and fertilizers that pollute our creeks originate from:**	**Votes**	**Correct**
a.	Upstream agricultural lands	7	21%
b.	Wholesale nurseries	0	0%
c.	Parks, ball fields, and golf courses	4	12%
d.	Residential gardens in homes	23	68%
		34	

3.)	**The best method for disposing of kitchen grease is to:**	**Votes**	**Correct**
a.	Put it in the trash	32	94%
b.	Pour it down the drain with lots of hot water	0	0%
c.	Mix with ice and put it down the garbage disposal while it is running	0	0%
d.	Pour it down the drain followed by a drain cleaner	2	6%
		34	

4.)	**You need to clean up spills on your driveway, sidewalk, or gutter by:**	**Votes**	**Correct**
a.	Absorbing with kitty litter, cornmeal, or sawdust, sweeping with a broom, and disposing in trash	18	53%
b.	Washing it down the drain with a garden hose	1	3%
c.	Letting the spill air dry (evaporate)	3	9%
d.	All of the above depending on the spill	12	35%
		34	

5.)	**Branches, grass cuttings, and garden trimmings in gutters:**	**Votes**	**Correct**
a.	Block storm drains and deplete oxygen in the water	18	53%
b.	Bio-degrade and restore oxygen to the water	3	9%
c.	Are swept up by street sweepers and taken to landfills free of charge	1	3%
d.	Need to be swept up but put in the blue recycling bins	12	35%
		34	

6.)	**After changing your car's motor oil, you can dispose of it by:**	**Votes**	**Correct**
a.	Putting it in the trash	2	6%
b.	Taking it to the household hazardous waste facility	31	91%
c.	Dumping it down the toilet	0	0%
d.	Pouring it in the storm drain inlet so it does not stain the street	1	3%
		34	

7.)	**Garbage in our storm drains are pollutants. Would you support measures banning polyethylene (plastic) bag and/or polystyrene (Styrofoam) containers?**	**Votes**	**Opinions**
a.	Yes, ban both	24	71%
b.	Yes, ban plastic bags	0	0%
c.	Yes, ban styrofoam containers	5	15%
d.	No, I do not support banning either	1	3%
e.	Need more information	4	12%
		34	

8.)	**Are you a Moraga Resident?**	Votes	Answers
a.	Yes	18	53%
b.	No	16	47%
		34	

9.)	**Select your age group**	Votes	Answers
a.	Under 13	6	18%
b.	14-18	1	3%
c.	19-29	0	0%
d.	30-39	3	9%
e.	40-49	9	26%
f.	50 and over	15	44%
		34	

1.)	Of those polled, 97% were correct.	7.)	Of those polled, 71% would support a ban on both.
2.)	Of those polled, 68% were correct	7.)	Of those polled, 0% wold support a ban on plastic bags.
3.)	Of those polled, 94% were correct.	7.)	Of those polled, 15% would support a ban on styrofoam.
4.)	Of those polled, 53% were correct.	7.)	Of those polled, 3% do not support any sort of ban.
5.)	Of those polled, 53% were correct.	7.)	Of those polled, 12% need more information to decide.
6.)	Of those polled, 91% were correct.	8.)	Of those polled, 53% were a Moraga Resident

Attachment C.7.d

Town of Moraga
Clean Water Survey

Community Faire (May 14, 2016)

1.)	Storm drains discharge to:	Votes	Correct
a.	Rivers, creeks, lakes, and bays	71	92%
b.	Wastewater treatment plant	3	4%
c.	Chemical waste sites for decontamination	2	3%
d.	Barren ground in effort to recharge groundwater	1	1%

2.)	Most pollutants and fertilizers that pollute our creeks originate from:	Votes	Correct
a.	Upstream agricultural lands	23	29%
b.	Wholesale nurseries	1	1%
c.	Parks, ball fields, and golf courses	9	12%
d.	Residential gardens in homes	45	58%

3.)	The best method for disposing of kitchen grease is to:	Votes	Correct
a.	Put it in the trash	58	75%
b.	Pour it down the drain with lots of hot water	5	6%
c.	Mix with ice and put it down the garbage disposal while it is running	11	14%
d.	Pour it down the drain followed by a drain cleaner	3	4%

4.)	You need to clean up spills on your driveway, sidewalk, or gutter by:	Votes	Correct
a.	Absorbing with kitty litter, cornmeal, or sawdust, sweeping with a broom, and disposing in trash	48	62%
b.	Washing it down the drain with a garden hose	2	3%
c.	Letting the spill air dry (evaporate)	3	4%
d.	All of the above depending on the spill	24	31%

5.)	Branches, grass cuttings, and garden trimmings in gutters:	Votes	Correct
a.	Block storm drains and deplete oxygen in the water	44	58%
b.	Bio-degrade and restore oxygen to the water	4	5%
c.	Are swept up by street sweepers and taken to landfills free of charge	3	4%
d.	Need to be swept up but put in the blue recycling bins	25	33%

6.)	After changing your car's motor oil, you can dispose of it by:	Votes	Correct
a.	Putting it in the trash	7	9%
b.	Taking it to the household hazardous waste facility	66	88%
c.	Dumping it down the toilet	0	0%
d.	Pouring it in the storm drain inlet so it does not stain the street	2	3%

7.)	Garbage in our storm drains are pollutants. Would you support measures banning polyethylene (plastic) bag and/or polystyrene (Styrofoam) containers?	Votes	Opinions
a.	Yes, ban both	50	68%
b.	Yes, ban plastic bags	5	7%
c.	Yes, ban styrofoam containers	6	8%
d.	No, I do not support banning either	3	4%
e.	Need more information	10	14%

8.)	Are you a Moraga Resident?		
a.	Yes	50	66%
b.	No	26	34%

1.)	Of those polled, 95% were correct.	7.)	Of those polled, 68% would support a ban on both.
2.)	Of those polled, 72% were correct	7.)	Of those polled, 7% would support a ban on plastic bags.
3.)	Of those polled, 90% were correct.	7.)	Of those polled, 8% would support a ban on styrofoam.
4.)	Of those polled, 85% were correct.	7.)	Of those polled, 4% do not support any sort of ban.
5.)	Of those polled, 64% were correct.	7.)	Of those polled, 14% need more information to decide.
6.)	Of those polled, 100% were correct.	8.)	Of those polled, 66% were a Moraga Resident

ATTACHMENT C.10.a.i

Town of Moraga

Plan and Schedule
to Attain Trash Load Reduction
Compliance by July 1, 2017

Submitted to the
California Regional Water Quality Control Board for the San Francisco Bay Region
September 30, 2016
in compliance with Provision C.10 of the Municipal Regional Stormwater Permit

A. Introduction

This plan is being submitted to satisfy Provisions C.10.a.i and C.10.f.v.a of the Municipal Regional Stormwater Permit.[1]

The Town of Moraga is in the process of passing an updated stormwater management and discharge control ordinance[2]. The updated ordinance will give the Town the necessary authority to require installation of full trash capture devices in the remaining acres of moderate trash generation in the Town, the majority of which are located on privately-owned property that do not necessarily drain directly to the Town's MS4. The updated ordinance will include language that the Town may require installation and maintenance of full trash capture devices, within a time frame specified by the Town to prevent the discharge of trash or other pollutants from private parking lots, streets, roads, and drainage facilities into the storm drain system. The ordinance will also include language that (1) failure or refusal to timely comply with such requirement is prohibited and shall constitute a violation of this Chapter, which may result in administrative citations being issued, and (2) requires the property owner to enter into a long-term covenant or agreement ensure the operation and maintenance of full trash capture devices.

Approximately 79 acres of moderate trash generation represent the Town's remaining 79% of acres needing to be treated in order to reach the 2017 trash reduction goal of 70% and the 2022 goal of 100%. In addition to the privately held acres needing to be treated, the Town is in the process of verifying if there are any public right-of way storm drain facilities where the Town can install full trash capture devices to capture privately held acres or publicly owned and operated acreage.

The Town can achieve the 70% goal through successful implementation of the Ordinance with approximately 50% percent of the 79 acres attaining full trash capture.

B. Implementation of Additional Full Trash Capture

The total number and type of devices to be is installed will be decided by private property owners. Devices include but are not limited to those in Table 1.

[1] Order R2-2015-0049, issued by the California Regional Water Quality Control Board for the San Francisco Bay Region became effective on January 1, 2016 and applies to 76 cities, towns, counties, and flood control districts.
[2] The first hearing by the Town Council of the updated stormwater management and discharge control ordinance is scheduled for September 14, 2016. Adoption/second hearing is scheduled for September 28, 2016.

Table 1: Additional Full Trash Capture Devices to Be Installed

Types of Devices	Total Number of Devices Per Type to Be Installed in FY 2016-2017
Connector Pipe Screens	TBD
Baskets (TopHats, Crescents, etc.)	TBD
Total	**TBD**

The installation of devices would treat approximately 69 acres. The acres that would be treated per trash generation rate per TMA are provided in Table 2.

Table 2: Additional Acres Proposed to be Treated by Full Trash Capture Devices Per Trash Generation Rate Per Trash Management Area in 2016-2017 and Projected Jurisdiction-Wide Percent Reduction

TMA	Additional Acres Proposed to Be Treated by Full Trash Capture Devices					Projected Jurisdiction-Wide Percent Reduction
	Low	Mod	High	Very High	Total Acres	
1		~27			~26	**~100%**
2		~ 43			~43	
3		~ 9			~ 9	
Total	**0**	~79	**0**	**0**	**~79**	

C. Summary of Control Measures and Offsets with Anticipated Percent Reduction

The percent reduction to be given to the Town's goal of 70% by June 30, 2017 will be calculated after the new ordinance has passed and private property owners in TMAs 1 & 2 submit their plans showing areas to be addressed by full trash capture devices and after the Town has reviewed any remaining opportunities to install full trash systems in the public right of way to capture moderate areas in TMAs 2 and 3 (north of Rheem Boulevard in TMA 2 and east of Moraga Road in TMAs 2 and 3).

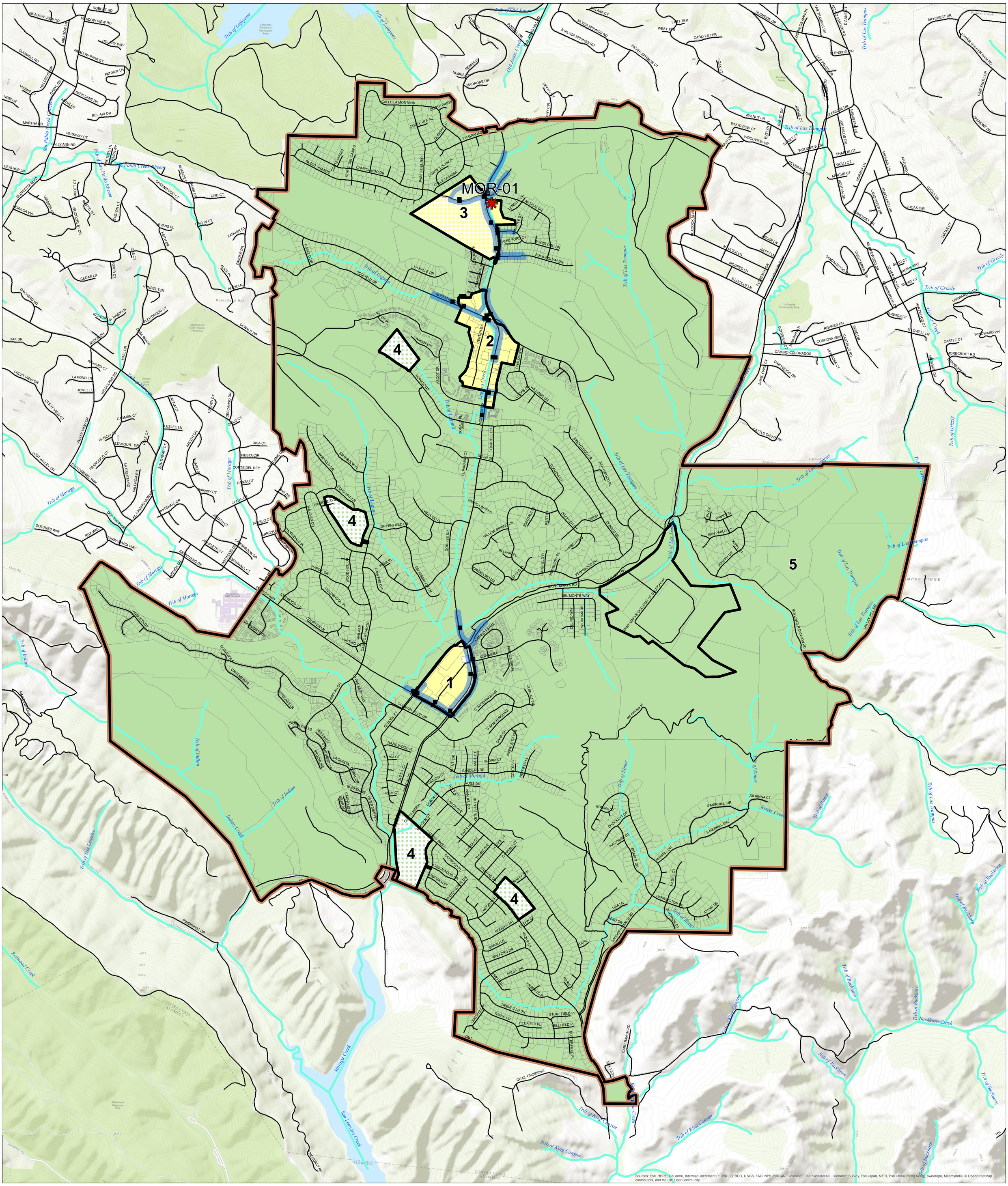
Table 3: Projected Percent Reduction in Trash Load Through FY 2016-2017

Totals	Current Percent Reduction as of July 1, 2016	Projected Percent Reduction Through July 1, 2017
Actions		
Full Trash Capture Devices	20.6%	TBD%
Other Measures	0.0%	0.0%
Source Controls	0.0%	0.0%
Subtotal	**20.6%**	**TBD%**
Offsets		
Additional Creek and Shoreline Cleanups	0.0%	0.0%
Direct Discharge Program	0.0%	0.0%
Subtotal	**0.0%**	**0.0%**
Total	**20.6%**	**TBD%**

D. Plan and Schedule for Implementation Summary

After adaption of the updated Stormwater Management and Discharge Control Ordinance in either September or October 2016, the Town will hold community outreach meetings with affected property owners in November 2016, with the goal of property owners submitting implementation plans in February 2017 to allow for device installation in Spring 2017 to meet the trash reduction goal by July 2017.

MORAGA Full Trash Capture and Trash Management Area Map



Trash Generation Category

- Low
- Medium
- High
- Very High

- Creek/Shoreline Hotspot
- 2 — Trash Management Area
- Full-Capture Location
- Full Trash Capture
- Non-Jurisdictional (Dot color = Generation Category)

- Streets
- Agency Boundary
- Creeks
- Parcel Boundary

N

0 0.175 0.35 0.7 Miles

CONTRA COSTA CLEAN WATER PROGRAM

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

Map Created By CCCWP GIS 9/9/2016