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Operations Division
2201 Elkins Way
Phone: 925-516-6000
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Engineering Division
150 City Park Way
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November 8, 2022

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

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

Dear Ms. White and Mr. Pulupa:

Enclosed is the Fiscal Year 2021-2022 Annual Report for the City of Brentwood, which is required by and in accordance with Provision C.17 in National Pollutant Discharge Elimination System (NPDES) Permit Number CAS612008 issued by the San Francisco Bay Regional Water Quality Control Board.

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

Sincerely,



Meghan Oliveira
Associate Engineer

Enclosure

cc: Keith Lichten, Chief
Tim Y. Ogden, City Manager
Miki Tsubota, Director of Public Works/City Engineer
Jack Dhaliwal, Assistant Director of Public Works/Engineering

FY 2021-2022 Annual Report
Permittee Name: City of Brentwood

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Section 1 – Permittee Information

Background Information				
Permittee Name:	City of Brentwood			
Population:	64,342			
NPDES Permit No.:	CAS612008			
Order Number:	R2-2015-0049			
Reporting Time Period (month/year):	July 2021 through June 2022			
Name of the Responsible Authority:	Meghan Oliveira	Title:	Associate Engineer	
Mailing Address:	150 City Park Way			
City:	Brentwood	Zip Code:	94513	County: Contra Costa
Telephone Number:	925-516-5171	Fax Number:		
E-mail Address:	moliveira@brentwoodca.gov			
Name of the Designated Stormwater Management Program Contact (if different from above):		Title:		
Department:				
Mailing Address:				
City:		Zip Code:		County:
Telephone Number:		Fax Number:		
E-mail Address:				

Section 2 - Provision C.2 Reporting Municipal Operations

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

Summary:
Participation in the CCCWP Municipal Operations Committee. Refer to the C.2 Municipal Operations section of the CCCWP FY 21-22 Annual Report for a description of activities implemented at the countywide and/or regional level.

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

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

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:

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

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

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

Comments:

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

Comments: **There are not any contracts for these services.**

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

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

C.2.f. ► Corporation Yard BMP Implementation				
Place an X in the boxes below that apply to your corporations yard(s):				
<input type="checkbox"/>	We do not have a corporation yard			
<input checked="" type="checkbox"/>	Our corporation yard is a filed NOI facility and regulated by the California State Industrial Stormwater NPDES General Permit			
<input type="checkbox"/>	We have a Stormwater Pollution Prevention Plan (SWPPP) for the Corporation Yard(s)			
Place an X in the boxes below next to implemented SWPPP BMPs to indicate that these BMPs were implemented in applicable instances. If not applicable, type NA in the box. If one or more of the BMPs were not adequately implemented during the reporting fiscal year then indicate so and explain in the comments section below:				
<input checked="" type="checkbox"/>	Control of pollutant discharges to storm drains such as wash waters from cleaning vehicles and equipment			
N/A	Routine inspection prior to the rainy seasons of corporation yard(s) to ensure non-stormwater discharges have not entered the storm drain system			
<input checked="" type="checkbox"/>	Containment of all vehicle and equipment wash areas through plumbing to sanitary or another collection method			
<input checked="" type="checkbox"/>	Use of dry cleanup methods when cleaning debris and spills from corporation yard(s) or collection of all wash water and disposing of wash water to sanitary or other location where it does not impact surface or groundwater when wet cleanup methods are used			
<input checked="" type="checkbox"/>	Cover and/or berm outdoor storage areas containing waste pollutants			
Comments: The City's Corporation Yard is self-contained and no run-off is discharged to Marsh Creek. Surface drainage is discharged to on-site percolation ponds.				
If you have a corporation yard(s) that is not an NOI facility, complete the following table for inspection results for your corporation yard(s) or attach a summary including the following information:				
Corporation Yard Name	Corp Yard Activities w/ site-specific SWPPP BMPs	Inspection Date ²	Inspection Findings/Results	Date and Description of Follow-up and/or Corrective Actions

² Minimum inspection frequency is once a year during September.

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

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

See attached table C.3.b.iv.(2)

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

Is your agency choosing to require 100% LID treatment onsite for all Regulated Projects and not allow alternative compliance under Provision C.3.e.?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
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Comments (optional):

C.3.e.v ► Special Projects Reporting

1. In FY 2021-22, has your agency received, but not yet granted final discretionary approval of, a development permit application for a project that has been identified as a potential Special Project based on criteria listed in MRP Provision C.3.e.ii(2) for any of the three categories of Special Projects (Categories A, B or C)?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
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2. In FY 2021-22, has your agency granted final discretionary approval to a Special Project? If yes, include the project in both the C.3.b.iv.(2) Table, and the C.3.e.v. Table.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
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If you answered "Yes" to either question,

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

C.3.h.v.(2) ► Reporting Newly Installed Stormwater Treatment Systems and HM Controls (Optional)

On an annual basis, before the wet season, provide a list of newly installed (installed within the reporting year) stormwater treatment systems and HM controls to the local mosquito and vector control agency and the Water Board. The list shall include the facility locations and a description of the stormwater treatment measures and HM controls installed.

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

Site Inspections Data	Number/Percentage
Total number of Regulated Projects (including offsite projects, and Regional Projects) in your agency's database or tabular format at the end of the previous fiscal year (FY 20-21)	131
Total number of Regulated Projects (including offsite projects, and Regional Projects) in your agency's database or tabular format at the end of the reporting period (FY 21-22)	142
Total number of Regulated Projects (including offsite projects, and Regional Projects) for which O&M verification inspections were conducted during the reporting period (FY 21-22)	11
Percentage of the total number of Regulated Projects (including offsite projects, and Regional Projects) inspected during the reporting period (FY 21-22)	8% ³

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:
The treatment systems within the City of Brentwood include Hydrodynamic Separators (Primarily CDS Units), Inlet Cartridge Filters, and/or Bio-Retention Facilities. City owned and maintained separators and filters are pumped out annually regardless of the condition. Debris accumulation has not been excessive. Private facilities are inspected annually or less frequently depending on debris accumulation or maintenance indicators. Bio-retention facilities are typically inspected during relatively heavy storm events. Momentary ponding can be observed but eventually infiltrate once the heaviest storm surges have ceased. Maintenance and trash pickup is conducted by landscape maintenance crews. Common problems include determining and enforcing maintenance responsibility when ownership or management changes, or when multiple businesses discharge to the same system.

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

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:

The City of Brentwood maintains a good relationship with the key servicing outfits maintaining the majority of these systems at private facilities throughout the City and we are notified of all the clients receiving their services annually. Owners of facilities that are in need of servicing are typically directed to one of these companies during or subsequent to City staff inspections. Communications with these companies for business development ensures a positive level of follow-up and compliance. No changes are anticipated.

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:

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

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

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

Summary:

Please refer to the Countywide Program's FY 21-22 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.

Refer to the May 6, 2016 BASMAA document, "Guidance for Identifying Green Infrastructure Potential in Municipal Capital Improvement Projects."

Summary of Planning or Implementation Status of Identified Projects:

See attached Tables C.3.j.ii.(2)-A and C.3.j.ii.(2)-B for the required information, and any additional notes provided here (optional).

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

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

Please refer to Countywide Program's FY 21-22 Annual Report for a summary of efforts conducted to help regional, State, and federal agencies plan, design, and fund incorporation of green infrastructure measures into local infrastructure projects, including transportation projects.

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

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

Please refer to the Countywide Program's FY 21-22 Annual Report 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 ⁴ , Street Address	Name of Developer	Project Phase No. ⁵	Project Type & Description ⁶	Project Watershed ⁷	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft ²) ⁸	Total Replaced Impervious Surface Area (ft ²) ⁹	Total Pre- Project Impervious Surface Area ¹⁰ (ft ²)	Total Post- Project Impervious Surface Area ¹¹ (ft ²)
Private Projects											
DR20-011 Sciortino Ranch Commercial Ph 2 (Denny, Starbucks, Chipotle)	SE Corner of Brentwood Blvd & Sand Creek Rd	Thomas Brentwood LLC	2	New Development; Commercial	Marsh Creek						
8982 Parkside Villas	1925 Apricot Way	Richmond American Homes	NA	New Development; Single-Family Detached Residential	Lower Marsh Creek	10.72	9.95	207,854	0	0	207,854
DR20-014 Panda Express	SE Corner of Brentwood Blvd & Sand Creek Rd	Thomas Brentwood LLC	NA	New Development; Commercial	Marsh Creek						
9519 Bennett Estates	O'Hara Ave & Dylan Drive	DeNova Homes	NA	New Development; Single-family Residential	Lower Marsh Creek	5.0	5.0	114,981	0	3,646	114,981
Public Projects											

⁴Include cross streets

⁵If a project is being constructed in phases, indicate the phase number and use a separate row entry for each phase. If not, enter "NA".

⁶Project 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.

⁷State the watershed(s) in which the Regulated Project is located. Downstream watershed(s) may be included, but this is optional.

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

⁹All impervious surfaces added to any area of the site that was previously existing impervious surface.

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

¹¹For redevelopment projects, state the post-project impervious surface area.

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

Project Name Project No.	Project Location ⁴ , Street Address	Name of Developer	Project Phase No. ⁵	Project Type & Description ⁶	Project Watershed ⁷	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft ²) ⁸	Total Replaced Impervious Surface Area (ft ²) ⁹	Total Pre-Project Impervious Surface Area ¹⁰ (ft ²)	Total Post-Project Impervious Surface Area ¹¹ (ft ²)
Comments:											

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

Project Name Project No.	Application Deemed Complete Date ¹²	Application Final Approval Date ¹³	Source Control Measures ¹⁴	Site Design Measures ¹⁵	Treatment Systems Approved ¹⁶	Type of Operation & Maintenance Responsibility Mechanism ¹⁷	Hydraulic Sizing Criteria ¹⁸	Alternative Compliance Measures ^{19/20}	Alternative Certification ²¹	HM Controls ^{22/23}
Private Projects										
DR20-011 Sciortino Ranch Commercial	9/30/21	3/22/22	Storm Drain Stenciling	Minimize Impervious	Bio-retention Facilities	O&M Agreement	C.3.d			Not required due

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

¹³For private projects, state project application final discretionary approval date. If the project did not go through discretionary review, report the building permit issuance date.

¹⁴List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.

¹⁵List 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.

¹⁶List 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.).

¹⁷List 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.

¹⁸See 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).

¹⁹For Alternative Compliance at an offsite location in accordance with Provision C.3.e.i.(1), on a separate page, give a discussion of the alternative compliance site including the information specified in Provision C.3.b.iv.(2)(m)(i) for the offsite project.

²⁰For Alternative Compliance by paying in-lieu fees in accordance with Provision C.3.e.i.(2), on a separate page, provide the information specified in Provision C.3.b.iv.(2)(m)(ii) for the Regional Project.

²¹Note whether a third party was used to certify the project design complies with Provision C.3.d.

²²If HM control is not required, state why not.

²³If HM control is required, state control method used (e.g., method to design and size device(s) or method(s) used to meet the HM Standard, and description of device(s) or method(s) used, such as detention basin(s), bioretention unit(s), regional detention basin, or in-stream control).

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

Project Name Project No.	Application Deemed Complete Date ¹²	Application Final Approval Date ¹³	Source Control Measures ¹⁴	Site Design Measures ¹⁵	Treatment Systems Approved ¹⁶	Type of Operation & Maintenance Responsibility Mechanism ¹⁷	Hydraulic Sizing Criteria ¹⁸	Alternative Compliance Measures ^{19/20}	Alternative Certification ²¹	HM Controls ^{22/23}
Ph 2 (Denny, Starbucks, Chipotle)				Surfaces						to hardened channels
8982 Parkside Villas	9/10/10	4/13/22	Storm Drain Stenciling	Minimize Impervious Surfaces	Bio-retention Facilities	O&M Agreement	C.3.d			Not required due to hardened channels
DR20-014 Panda Express	10/18/21	3/8/22	Storm Drain Stenciling	Minimize Impervious Surfaces	Bio-retention Facilities	O&M Agreement	C.3.d			Not required due to hardened channels
9519 Bennett Estates	7/16/20	9/14/21	Storm Drain Stenciling	Minimize Impervious Surfaces	Bio-retention Facilities	O&M Agreement	C.3.d			Not required due to hardened channels

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

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

²⁴For public projects, enter the plans and specifications approval date.

²⁵List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.

²⁶List 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.

²⁷List 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.).

²⁸List 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.

²⁹See 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).

³⁰For Alternative Compliance at an offsite location in accordance with Provision C.3.e.i.(1), on a separate page, give a discussion of the alternative compliance site including the information specified in Provision C.3.b.iv.(2)(m)(i) for the offsite project.

³¹For Alternative Compliance by paying in-lieu fees in accordance with Provision C.3.e.i.(2), on a separate page, provide the information specified in Provision C.3.b.iv.(2)(m)(ii) for the Regional Project.

³²Note whether a third party was used to certify the project design complies with Provision C.3.d.

³³If HM control is not required, state why not.

³⁴If HM control is required, state control method used (e.g., method to design and size device(s) or method(s) used to meet the HM Standard, and description of device(s) or method(s) used, such as detention basin(s), bioretention unit(s), regional detention basin, or in-stream control).

C.3.h.v.(2). ► Table of Newly Installed³⁵ 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 ³⁶ For Maintenance	Type of Treatment/HM Control(s)
8796 Vineyards- Concord Ave Realignment			
8909 Vineyards Phase 5A- Lark Hill			
8910/9186 Vineyards Phase 5B - Vista Dorado			
9173 Ferro Ronconi In-tract Public Improvements			
9411 Sellers Pointe			
9412 Alvernaz In-tract Improvements			
9421- Sellers Ave In-tract			
9424 Catchings Ranch In-tract Improvements			
9428 Orfanos Property Empire Landscaping			
9428 Orfanos Property Parcel B			
9433 Bella Verde			
9436 Sellers Pointe Ph 2			
9471 Terrene Phase 1- Public Improvements			
9496 Terrene Phase 2 Parcel A & B LS			

³⁵ "Newly Installed" includes those facilities for which the final installation inspection was performed during this reporting year.

³⁶ State the responsible operator for installed stormwater treatment systems and HM controls.

C.3.h.v.(2). ► Table of Newly Installed³⁵ 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 ³⁶ For Maintenance	Type of Treatment/HM Control(s)
DR18-001 Shops at Lone Tree Village - Median LS			
Dry Creek Trail Improvements			

C.3.e.v.Special Projects Reporting Table												
Reporting Period – July 1 2021 - June 30, 2022												
Project Name & No.	Permittee	Address	Application Submittal Date ³⁷	Status ³⁸	Description ³⁹	Site Total Acreage	Gross Density DU/Acre	Density FAR	Special Project Category ⁴⁰	LID Treatment Reduction Credit Available ⁴¹	List of LID Stormwater Treatment Systems ⁴²	List of Non-LID Stormwater Treatment Systems ⁴³

³⁷Date that a planning application for the Special Project was submitted.

³⁸ Indicate whether final discretionary approval is still pending or has been granted, and provide the date or version of the project plans upon which reporting is based.

³⁹Type of project (commercial, mixed-use, residential), number of floors, number of units, type of parking, and other relevant information.

⁴⁰ For each applicable Special Project Category, list the specific criteria applied to determine applicability. For each non-applicable Special Project Category, indicate n/a.

⁴¹For each applicable Special Project Category, state the maximum total LID Treatment Reduction Credit available. For Category C Special Projects also list the individual Location, Density, and Minimized Surface Parking Credits available.

⁴²: List all LID stormwater treatment systems proposed. For each type, indicate the percentage of the total amount of runoff identified in Provision C.3.d. for the Special Project's drainage area.

⁴³List all non-LID stormwater treatment systems proposed. For each type of non-LID treatment system, indicate: (1) the percentage of the total amount of runoff identified in Provision C.3.d. for the Special Project's drainage area, and (2) whether the treatment system either meets minimum design criteria published by a government agency or received certification issued by a government agency, and reference the applicable criteria or certification.

Special Projects Narrative

C.3.j.ii.(2) ► Table A - Public Projects Reviewed for Green Infrastructure				
Project Name and Location⁴⁴	Project Description	Status⁴⁵	GI Included?⁴⁶	Description of GI Measures Considered and/or Proposed or Why GI is Impracticable to Implement⁴⁷
2022 Pavement Management Program	Road maintenance (grind & overlay and slurry seal)	In construction	No	Maintenance work. No street modification involved.
Vineyards at Marsh Creek – Event Center/Amphitheater	Construction of an outdoor amphitheater and event center.	Design	Yes	Bio-retention
Brentwood Various Streets & Road Repairs	Road maintenance (grind & overlay and slurry seal)	Design	No	Maintenance work. No street modification involved.

C.3.j.ii.(2) ► Table B - Planned and/or Completed Green Infrastructure Projects			
Project Name and Location⁴⁸	Project Description	Planning or Implementation Status	Green Infrastructure Measures Included
Vineyards at Marsh Creek – Event Center/Amphitheater	Construction of an outdoor amphitheater and event center.	Beginning Design	Bio-retention

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

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

⁴⁶ Enter “Yes” if project will include GI measures, “No” if GI measures are impracticable to implement, or “TBD” if this has not yet been determined.

⁴⁷ Provide a summary of how each public infrastructure project with green infrastructure potential will include green infrastructure measures to the maximum extent practicable during the permit term. If review of the project indicates that implementation of green infrastructure measures is not practicable, provide the reasons why green infrastructure measures are impracticable to implement.

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

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

Program Highlights and Evaluation

Highlight/summarize activities for reporting year:

Summary:

- 1) Updated facilities list
- 2) Participated in CCCWP Municipal Operations Committee
- 3) Participated in annual C.4 training through CCCWP

Refer to the C.4. Industrial and Commercial Site Controls section of the countywide Program's FY 20-21 Annual Report for a description of activities of the countywide program and/or the BASMAA Municipal Operations Committee.

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

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

See Attachment C.4.b.iii ► Potential Facilities List

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

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

<input checked="" type="checkbox"/>	Permittee reports multiple discrete potential and actual discharges at a site as one enforcement action.
<input type="checkbox"/>	Permittee reports the total number of discrete potential and actual discharges on each site.

	Number
Total number of inspections conducted (C.4.d.iii.(2)(a))	90
Violations, enforcement actions, or discrete number of potential and actual discharges resolved within 10 working days or otherwise deemed resolved in a longer but still timely manner (C.4.d.iii.(2)(c))	2

Comments:

Routine facility inspections have been put on hold since March 2020 due to COVID-19 pandemic. Grease interceptor inspections were conducted by outside contracting companies.

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

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

	Enforcement Action (as listed in ERP) ⁴⁹	Number of Enforcement Actions Taken
Level 1	Verbal Warning/ Courtesy Notice/ Educational Materials	2
Level 2	Notice of Violation	1
Level 3	Formal Enforcement (Administrative Penalties, Cost Recovery)	
Level 4	Legal Action/ Referral to State and Federal Agencies	
Total		3

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

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

Business Category⁵⁰	Number of Actual Discharges	Number of Potential Discharges
Eating & Drinking Places	0	1

C.4.d.iii.(2)(e) ▶ Non-Fileers

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

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

⁵⁰List 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
C.4 & C.5 Stormwater Inspection Training Workshop (Virtual)	06/22/2022	-Stormwater Regulatory Review - Investigating Cross Connections in Stormwater - Addressing Encampments of Unsheltered Homeless - Enforcement & Coordination	1*	100%	2*	100%
Comments: *One inspector was absent during the live workshop stream but reviewed the recording after						

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

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

Provide background information, highlights, trends, etc.

Summary:
The City of Brentwood’s Illicit Discharge Detection and Elimination activity for the reporting year was consistent with previous years.
1. We annually clean out the trash capture devices, and inspect and clean storm drain inlets and creek outlets.
2. We clean grease prone sewer lines quarterly and began enforcing the City’s Fats, Oils, and Grease (FOG) Program, so grease buildup does not cause sanitary sewer overflows (SSO’s) into the stormwater system.
3. We participate in the CCCWP Municipal Operations Committee.
Refer to the C.5 Illicit Discharge Detection and Elimination section of countywide program’s FY 19-20 Annual Report for description of activities at the countywide or regional level.

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

Summary of any changes made during FY 21-22:
No change.

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

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

	Number
Discharges reported (C.5.d.iii.(1))	21
Discharges reaching storm drains and/or receiving waters (C.5.d.iii.(2))	2
Discharges resolved in a timely manner (C.5.d.iii.(3))	19

Comments:
We have maintained our SOPs (Standard Operating Procedures) for overflows/discharges and have a step-by-step plan that helps eliminate any sanitary sewer overflows (SSOs), chemical spills, etc. from reaching our storm water system. This plan could involve anything from sand bags around a catch basin to eliminate a small amount of discharge from entering the storm drain system to plugging a line that has a larger spill that reached the storm drain system and eliminating it from reaching the creek. Fortunately, the vast majority of Brentwood’s storm drain lines are discharged to detention basins. Due to evaporation, infiltration and the region’s relatively mild rainy seasons, discharges rarely leave the detention

basin. Additionally, Brentwood has over 100 various treatment systems upstream of the storm drain infrastructure, which prevents potential contaminants from entering the receiving waters. These include bio-retention facilities, hydrodynamic separators, full trash capture devices, and inlet filter inserts.

Section 6 – Provision C.6 Construction Site Controls

C.6.e.iii.(3)(a), (b), (c), (d) ▶ Site/Inspection Totals			
Number of active Hillside Sites (sites disturbing < 1 acre of soil requiring storm water runoff quality inspection) (C.6.e.iii.3.a)	Number of High Priority Sites (sites disturbing < 1 acre of soil requiring storm water runoff quality inspection) (C.6.e.iii. 3.c)	Number of sites disturbing ≥ 1 acre of soil (C.6.e.iii.3.b)	Total number of storm water runoff quality inspections conducted (include only Hillside Sites, High Priority Sites and sites disturbing 1 acre or more) (C.6.e.iii. 3.d)
0	0	9	95
<p>Comments: 95 inspection logs for monthly documentation, however inspections were conducted daily which means there were many more inspections.</p> <p>Provide the number of inspections that are conducted at sites not within the above categories as part of your agency's inspection program and a general description of those sites, if available or applicable.</p> <p>Does not apply.</p>			

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

	Enforcement Action (as listed in ERP) ⁵¹	Number Enforcement Actions Issued
Level 1 ⁵²	Verbal/Written Warning	0
Level 2	Notice of Violation	0
Level 3		
Level 4		
Total		0

C.6.e.iii.(3)(f) ► Illicit Discharges

	Number
Number of illicit discharges, actual and those inferred through evidence at hillside sites, high priority sites and sites that disturb 1 acre or more of land (C.6.e.iii. 3.f)	0

C.6.e.iii.(3)(g) ► Corrective Actions

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

⁵¹Agencies should list the specific enforcement actions as defined in their ERPs.

⁵²For example, Enforcement Level 1 may be Verbal Warning.

C.6.e.iii.(4) ► Evaluation of Inspection Data

Describe your evaluation of the tracking data and data summaries and provide information on the evaluation results (e.g., data trends, typical BMP performance issues, comparisons to previous years, etc.).

Description: **Our typical performance issues represent isolated incidents. They are dealt with quickly through relationships with owners as indicated above.**

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:
Environmental Compliance Inspector conducts construction site inspections for when BMP maintenance requests are ignored by the project owner. Participated in the CCCWP Development Committee and Municipal Operations. Refer to the C.6 Construction Site Control section of countywide program's FY 20-21 Annual Report for a description of activities implemented at the countywide and/or regional level.

C.6.f.iii ► Staff Training Summary

Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance
N/A			

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

C.7.b.i.1 ► Outreach Campaign

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

Summary:

Refer to the CCCWP FY 21-22 Annual Report

C.7.c. Stormwater Pollution Prevention Education

No change.

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

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

Event Details	Description (messages, audience)	Evaluation of Effectiveness
Provide event name, date, and location. Indicate if event is local, countywide or regional. Indicate if event is public outreach or citizen involvement. Refer to the CCCWP's Public Information and Outreach section for a description of events for which they may take credit. All other events conducted locally or done on behalf of only local agencies should be reported by those agencies.	Identify type of event (e.g., school fair, creek clean-up, storm drain stenciling, farmers market etc.), type of audience (school children, gardeners, homeowners etc.) and outreach messages (e.g., Enviroscope presentation, pesticides, stormwater awareness)	Provide general staff feedback on the event (e.g., success at reaching a broad spectrum of the community, well attended, good opportunity to talk to gardeners etc.). Provide other details such as: <ul style="list-style-type: none"> • Success at reaching a broad spectrum of the community • Number of participants compared to previous years. • Post-event effectiveness assessment/evaluation results • Quantity/volume of materials cleaned up, and comparisons to previous efforts

Annual City of Brentwood Public Works Open House held in May has not resumed since COVID-19.		
Annual Marsh Creek Clean-Up Day held in September has not resumed since COVID-19.		
Trash Hot Spot Clean Ups	A local high school assisted City staff to pick up, characterize and assess trash at two Hot Spots along Marsh Creek. The City secured the County Flood Control permit and indemnification/Insurance details, valid for 2 years.	2 City engineers and 8 student/teacher volunteers from Independence High School participated. Assessment of the City's Hot Spots helps to monitor the effectiveness of trash reduction control measures.

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:

CCCWP staff will provide a summary of efforts conducted at the countywide or regional level.

C.7.f. ► School-Age Children Outreach

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

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

Program Details	Focus & Short Description	Number of Students/Teachers reached	Evaluation of Effectiveness
Provide the following information: Name Grade or level (elementary/ middle/ high) Refer to the C.7 Section of the CCCWP FY 21-22 Annual Report for a description of School-age Children Outreach efforts conducted at the countywide level. In addition, add information on any local School-age Children Outreach efforts to this table.	Brief description, messages, methods of outreach used	Provide number or participants	Provide agency staff feedback. Report any other evaluation methods used (quiz, teacher feedback etc.). Attach evaluation summary if applicable.

Section 9 – Provision C.9 Pesticides Toxicity Controls

C.9.a. ► Implement IPM Policy or Ordinance						
Is your municipality implementing its IPM Policy/Ordinance and Standard Operating Procedures?				X	Yes	No
If no, explain:						
Report implementation of IPM BMPs by showing trends in quantities and types of pesticides used, and suggest reasons for increases in use of pesticides that threaten water quality , specifically organophosphates, pyrethroids, carbamates fipronil, indoxacarb, diuron, and diamides. A separate report can be attached as evidence of your implementation.						
Trends in Quantities and Types of Pesticide Active Ingredients Used⁵³						
Pesticide Category and Specific Pesticide Active Ingredient Used	Amount ⁵⁴					
	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21	FY 21-22
Organophosphates	0	0	0	0	0	0
Active Ingredient Chlorpyrifos						
Active Ingredient Diazinon						
Active Ingredient Malathion						
Pyrethroids (see footnote #54 for list of active ingredients)	0	0	0	0	0	0
Active Ingredient Type X						
Active Ingredient Type Y						
Carbamates	0	0	0	0	0	0
Active Ingredient Carbaryl						
Active Ingredient Aldicarb						
Fipronil	0	0	0	0	0	0
Pesticide Category and Specific Pesticide Active Ingredient Used	Amount					

⁵³Includes all municipal structural and landscape pesticide usage by employees and contractors.

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

	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21	FY 21-22
Indoxacarb	0	0	0	0	0	0
Diuron	0	0	0	0	0	0
Diamides	0	0	0	0	0	0
Active Ingredient Chlorantraniliprole						
Active Ingredient Cyantraniliprole						
Reasons for increases in use of pesticides that threaten water quality: N/A						
IPM Tactics and Strategies Used: Educated staff and building occupants on their roles in pest management (maintaining good sanitation by not eating at their desks, putting food stored at work in ant- and rodent-proof containers, putting food waste into central garbage can, wiping up spills). City of Brentwood Standards call for preventative actions such as sealing holes and gaps in structures, improving sanitation, cutting back tree branches and bushes that are touching buildings and providing pathways for rodent and ants to access the structure.						

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.	19
Enter the number of these employees who received training on your IPM policy and IPM standard operating procedures within this reporting year.	19
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: In house trainer conducts the annual training. Training meets County requirements and City IPM.	

C.9.c ▶ Require Contractors to Implement IPM			
Did your municipality contract with any pesticide service provider in the reporting year, for either landscaping or structural pest control?	X	Yes	No
If yes, did your municipality evaluate the contractor's list of pesticides and amounts of active ingredients used?	X	Yes	No,
<p>If your municipality contracted with any pesticide service provider, briefly describe how contractor compliance with IPM Policy/Ordinance and SOPs was monitored</p> <p>The Landscape Maintenance RFP requires all of our contractors to provide us with their respective company's IPM Program. These typically mirror our own IPM program since the contractors use much of the information that is in our IPM. For instance:</p> <ul style="list-style-type: none"> -Submit Monthly Use Reports to Contra Costa County of all pesticides and amounts used. -Provide annual training for all applicators. On-going training throughout the year is also provided. -Maintain proper licensing, permits and all requirements of State and local agencies -Use "Best Management Practices" (BMP's) to keep chemical and herbicide use to the minimum required to do the job. -Follow all safety and application procedures provided by the Department of Pesticide Regulations (DPR). Reducing the risk of harm to applicators, citizens and the environment. <p>The City keeps copies of the IPM Programs at all times and will review them with the respective contractors as needed. Parks Supervisors meet with the contractors on a weekly basis to review work orders and the scheduling of operational tasks. If the schedule calls out any herbicide or pesticide applications, then both parties will review what is the target and what is the application. In addition, the Landscape Maintenance contracts are Outcome Based Contracts and the Parks Supervisors have the ability to write Out of Compliance Notices to any contractor that is found not following City Standards, and with multiple offenses, can eventually lead to monetary penalties. Also, the Parks and Recreation Department is responsible for publishing an Annual Report that includes a section on herbicide/pesticide annual use by all Parks contractors.</p>			

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,	X	Yes	No

If yes, summarize the communication. If no, explain. Refer to the CCCWP Annual Report.				
Did your municipality report any observed or citizen-reported violations of pesticide regulations (e.g., illegal handling and applications of pesticides) associated with stormwater management, particularly the California Department of Pesticide Regulation (DPR) surface water protection regulations for outdoor, nonagricultural use of pyrethroid pesticides by any person performing pest control for hire.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
If yes, provide a summary of improper pesticide usage reported to the County Agricultural Commissioner and follow-up actions taken to correct any violations. A separate report can be attached as your summary.				

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

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

Summary:
See the C.9 Pesticides Toxicity Control section of the CCCWP FY 21-22 Annual Report for information on point of purchase public outreach conducted countywide and regionally.

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

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

Summary:
See the C.9 Pesticides Toxicity Control section of the CCCWP FY 21-22 Annual Report for information on point of purchase public outreach conducted countywide and regionally."

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

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

Summary:
See the C.9 Pesticides Toxicity Control section of the CCCWP FY 21-22 Annual Report for a summary of our participation in and contributions towards countywide and regional public outreach to pest control operators and landscapers to reduce pesticide use."

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

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

Summary:

During FY 21-22, we participated in regulatory processes related to pesticides through contributions to the countywide Program and CASQA. For additional information, see the Regional Report prepared by CASQA.

Section 10 - Provision C.10 Trash Load Reduction

C.10.a.i ► Trash Load Reduction Summary	
For population-based Permittees, provide the overall trash reduction percentage achieved to-date within the jurisdictional area of your municipality that generates problematic trash levels (i.e., Very High, High, or Moderate trash generation). Base the reduction percentage on the information presented in C.10.b i-iv and C.10.e.i-ii. Provide a discussion of the calculation used to produce the reduction percentage	
Trash Load Reductions	
Percent Trash Reduction in All Trash Management Areas (TMAs) due to Trash Full Capture Systems (as reported C.10.b.i)	0.1%
Percent Trash Reduction in all TMAs due to Control Measures Other than Trash Full Capture Systems (as reported in C.10.b.ii) ⁵⁵	98.9%
Percent Trash Reduction due to Jurisdiction-wide Source Control Actions (as reported in C.10.b.iv)	
SubTotal for Above Actions	
Trash Offsets (Optional)	
Offset Associated with Additional Creek and Shoreline Cleanups (as reported in C.10.e.i)	
Offset Associated with Direct Trash Discharges (as reported in C.10.e.ii)	
Total (Jurisdiction-wide) % Trash Load Reduction through FY 2021-22	
99.0%	
Discussion of Trash Load Reduction Calculation: The City has been using the Collector App tool for visual assessments in the TMAs.	

⁵⁵ See Appendix 10-1 for changes between 2009 and FY 21-22 in trash generation by TMA as a result of Full Capture Systems and Other Measures.

C.10.a.iii ► Mandatory Trash Full Capture Systems		
Provide the following:		
1) Total number and types of full capture systems (publicly and privately-owned) installed during FY 21-22, and prior to FY 21-22, including inlet-based and large flow-through or end-of-pipe systems, and qualifying low impact development (LID) required by permit provision C.3.		
2) Total land area (acres) treated by full capture systems for population-based Permittees and total number of systems for non-population based Permittees compared to the total required by the permit.		
Type of System	# of Systems	Areas Treated (Acres)
Installed in FY 21-22		
	0	0
Installed Prior to FY 21-22		
Connector Pipe Screens	2	0
Baskets	0	1
Netting Devices	0	0
HDS Units	83	950
GSRDs	1	250
LID Facilities	0	0
Other	0	0
Total for all Systems Installed To-date	86	1200
Treatment Acreage Required by Permit (Population-based Permittees)		
Total # of Systems Required by Permit (Non-population-based Permittees)		

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

Provide the following:

- 1) Jurisdiction-wide trash reduction in FY 21-22 attributable to trash full capture systems implemented in each TMA;
- 2) The total number of full capture systems installed to-date in your jurisdiction;
- 3) The percentage of systems in FY 21-22 that exhibited significant plugged/blinded screens or were >50% full when inspected or maintained;
- 4) A narrative summary of any maintenance issues and the corrective actions taken to avoid future full capture system performance issues; and
- 5) A certification that each full capture system is operated and maintained to meet the full capture system requirements in the permit.

TMA	Jurisdiction-wide Reduction (%)	Total # of Full Capture Systems	% of Systems Exhibiting Plugged/Blinded Screens or >50% full in FY 21-22	Summary of Maintenance Issues and Corrective Actions
1	0.0	86		
2	0.0			
3	0.1			
4	0.0			
5	0.0			
6	NA			
7	NA			
Not A Part	NA			
Uninc Brentwood	NA			
Total	0.1			

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

C.10.b.ii ► Trash Reduction – Other Trash Management Actions (PART A)	
Provide a summary of trash control actions other than full capture systems or jurisdictional source controls that were implemented within each TMA, including the types of actions, levels, and areal extent of implementation, and whether actions are new, including initiation date.	
TMA	Summary of Trash Control Actions Other than Full Capture Systems
1	<ul style="list-style-type: none"> • Enhanced street sweeping enabled by jurisdictional land transfer of Brentwood Blvd. from the State to the City of Brentwood. • Anti-littering and Illegal Dumping Enforcement. • Public Education and Outreach Programs Targeted at Trash Reduction and Implemented post-MRP Adoption • Construction North Brentwood Blvd Beautification project with a landscape median and lane widening. Maintenance of this landscaping will ensure frequent trash pick-up. • Completion of new City owner and operated solid waste transfer station. This fully enclosed facility allows trash to be dropped to waiting transfer trucks staged on the bottom level. The pre-existing outdoor facility was exposed to wind and water elements with a high susceptibility to carry trash off-site.
2	<ul style="list-style-type: none"> • Enhanced street sweeping enabled by jurisdictional land transfer of Brentwood Blvd. from the State to the City of Brentwood. <li style="padding-left: 20px;">• Anti-littering and Illegal Dumping Enforcement
3	<ul style="list-style-type: none"> • Enhanced street sweeping enabled by jurisdictional land transfer of Brentwood Blvd. from the State to the City of Brentwood. <li style="padding-left: 20px;">• Anti-littering and Illegal Dumping Enforcement
4	<ul style="list-style-type: none"> • Enhanced street sweeping enabled by jurisdictional land transfer of Brentwood Blvd. from the State to the City of Brentwood. • Anti-littering and Illegal Dumping Enforcement <ul style="list-style-type: none"> • Inspection and outreach with property owners in TMA
5	<ul style="list-style-type: none"> <li style="padding-left: 20px;">• Elimination of High School from TMA as non-jurisdictional
6	<ul style="list-style-type: none"> • Hot spots are under county jurisdiction and receive trash from medium, high and non-jurisdictional public school trash generating areas <ul style="list-style-type: none"> • Trash regularly picked up in creek and banks through Friends of Marsh Creek Watershed volunteer activities
7	<ul style="list-style-type: none"> • This is a 100% Low trash generation TMA. • Full LID mandated with all new construction • The City of Brentwood stopped permitting storm water and sanitary sewer drains in trash enclosures, trash compactor areas and loading docks to eliminate trash and contaminated liquid residue discharges from items such as fluorescent light tubes, batteries, medicine, transformers, etc. Drainage from these areas is now conducted to either a bio-retention area or a grease interceptor.

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

Provide the following:

- 1) A summary of the on-land visual assessments in each TMA (or control measure area), including the street miles or acres available for assessment (i.e., those associated with VH, H, or M trash generation areas not treated by full capture systems), the street miles or acres assessed, the % of available street miles or acres assessed, and the average number of assessments conducted per site within the TMA; and
- 2) Percent jurisdictional-wide trash reduction in FY 21-22 attributable to trash management actions other than full capture systems implemented in each TMA; OR
- 3) Indicate that no on-land visual assessments were performed.

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

Explanation:

TMA ID <i>or (as applicable)</i> Control Measure Area	Total Street Miles ⁵⁶ or Acres Available for Assessment	Summary of On-land Visual Assessments			Jurisdictional-wide Reduction (%)
		Street Miles or Acres Assessed	% of Available Street Miles or Acres Assessed	Avg. # of Assessments Conducted at Each Site	
1	0.22	0.05	21.62	3	30.9
2	1.54	0.33	21.53	3	16.4
3	3.07	0.57	18.52	3	51.3
4	0.01	0.00	0.00	0	0.0
5	0.12	0.05	38.64	4	0.3
6*	0.00	NA	NA	NA	0.0
7*	0.00	NA	NA	NA	0.0
Not A Part*	0.00	NA	NA	NA	0.0
Uninc Brentwood*	0.00	NA	NA	NA	0.0
Total		1.0	20.0	13	98.9

⁵⁶ Linear feet are defined as the street length and do not include street median curbs.

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

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

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

C.10.c ▶ Trash Hot Spot Cleanups

Provide the FY 21-22 cleanup date and volume of trash removed during each MRP-required Trash Hot Spot cleanup during each fiscal year listed. Indicate whether the site was a new site in FY 21-22.

Trash Hot Spot	New Site in FY 21-22 (Y/N)	FY 21-22 Cleanup Date(s)	Volume of Trash Removed (cubic yards)					
			FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
1	N	***	6.0	0.78	0.25	1.33	***	0.60
2*	N	*	1.0	1.0	*	*	*	*
3a**	N	**	6.4	4.6	NA**	NA**	***	NA**
3b**	N	***	NA	NA	0.30	0.95	***	0.50

*In FY 2018-2019, Hot Spot 2 was determined that it does not meet criteria to be considered for a hot spot.
 **No visible trash at 3a to cleanup, chose new site 3b starting in FY 2018-2019.
 ***No hot spot clean-ups were performed in FY 2020-2021 due to COVID-19. They resumed October 2021.

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

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

Description of Significant Revision	Associated TMA

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

Provide a summary description of each offset program implemented, the volume of trash removed, and the offset claimed in FY 21-22. Also, for additional creek and shoreline cleanups, describe the number and frequency of cleanups conducted, and the locations and cleanup dates. For direct discharge control programs approved by the Water Board Executive Officer, also describe the results of the assessments conducted in receiving waters to demonstrate the effectiveness of the control program. Include an Appendix that provides the calculations and data used to determine the trash reduction offset.

Offset Program	Summary Description of Actions and Assessment Results	Volume of Trash (CY) Removed/Controlled in FY 21-22	Offset (% Jurisdiction-wide Reduction)
Additional Creek and Shoreline Cleanups (Max 10% Offset)			
Direct Trash Discharge Controls (Max 15% Offset)			

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

TMA	2009 Baseline Trash Generation (Acres)					Trash Generation (Acres) in FY 21-22 After Accounting for Full Capture Systems					Jurisdiction - wide Reduction via Full Capture Systems (%)	Trash Generation Area (Acres) in FY 21-22 After Accounting for Full Capture Systems & Other Measures					Jurisdiction - wide Reduction via Other Control Measures (%)	Jurisdiction - wide Reduction via Other Control Measures (%)
	L	M	H	VH	Total	L	M	H	VH	Total		L	M	H	VH	Total		
1	96	36	9	0	142	96	36	9	0	142	0.0	142	0	0	0	142	30.9	
2	0	38	0	0	38	0	38	0	0	38	0.0	38	0	0	0	38	16.4	
3	12	85	9	0	106	12	85	9	0	106	0.1	106	0	0	0	106	51.3	
4	0	2	0	0	2	0	2	0	0	2	0.0	0	2	0	0	2	0.0	
5	0	1	0	0	1	0	1	0	0	1	0.0	1	0	0	0	1	0.3	
6	3	0	0	0	3	3	0	0	0	3	NA	3	0	0	0	3	NA	
7	8862	0	0	0	8862	8862	0	0	0	8862	NA	8862	0	0	0	8862	NA	
Not A Part	0	0	0	0	0	0	0	0	0	0	NA	0	0	0	0	0	NA	
Uninc Brentwood	0	0	0	0	0	0	0	0	0	0	NA	0	0	0	0	0	NA	
Totals	8974	163	18	0	9154	8974	163	18	0	9154	0.1	9152	2	0	0	9154	98.9	

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

Section 11 - Provision C.11 Mercury Controls - **EXEMPT**

- 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.e ► Implement a Risk Reduction Program

Section 12 - Provision C.12 PCBs Controls - **EXEMPT**

- 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.f ▶ Manage PCB-Containing Materials During Building Demolition

- C.12.h ▶ Implement a Risk Reduction Program

Section 13 - Provision C.13 Copper Controls

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

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

Summary:

To the knowledge of City of Brentwood staff, the only structure that contains copper architectural features is the City Hall gazebo roof. If a Building Permit applicant proposes copper architectural features, then the Community Development - Building Department would inform our Environmental Compliance Officer, who would make contact with the applicant to encourage them to use an alternative material to copper. The applicant would be referred to the BMPs for Architectural Copper Fact Sheet that was developed by the CCCWP and is posted on the City's NPDES Stormwater Management webpage (<https://www.brentwoodca.gov/gov/pw/development/npdes/>). The City's Stormwater ordinance provides staff with proper authority to enforce proper waste management.

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

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

Summary:

There have not been any reported copper-containing discharges from pools, spas, and fountains this fiscal year, and therefore, there have not been any related enforcement activities. If an illicit discharge of pool and spa occurs, City staff will investigate and follow the procedures outlined in the City's Enforcement Response Plan (ERP) protocols. The Environmental Compliance Officer distributes and refers pool, spa, and fountain owners to the Draining Pools & Spas Brochure developed by the CCCWP and posted on their webpage (<https://www.cccleanwater.org/userfiles/documents/files/281/Pools.pdf>).

C.13.c.iii ► Industrial Sources Copper Reduction Results

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

Summary:

No facilities have been identified as potential users or sources of copper.

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

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

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

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

Summary:

Refer to the C.3 New Development and Redevelopment, C.7. Public Information and Outreach and C.9. Pesticide Toxicity Control sections of the CCCWP FY 2021-22 Annual Report.

An Ordinance was adopted at the June 28, 2016, City Council meeting which repeals the 35 percent potable water use reduction and continues to prohibit the following activities in the promotion of water conservation:

- No watering between 8:00 a.m. and 7:00 p.m.
- No watering within 48 hours after measurable rainfall
- No excessive landscape runoff
- No washing a vehicle, trailer, boat without a shutoff nozzle.
- No washing paved or hardscape surfaces
- No water use for non-recirculating fountains
- No watering new home construction landscape except by drip or micro spray
- No watering ornamental turf on public street medians
- No serving drinking water except upon request in eating or drinking establishments
- No hotels/motels daily laundering of towels/linens unless requested by a guest

Promote Water Conservation Programs by offering:

- Distributed low flow shower heads, moisture meters, faucet aerators, and hose nozzles.
- Quarterly High Use Notification Letters or Emails – Since 2006
- Water Use Surveys – Since 2006
- New Home Owner Information – Since 2010
- Weather Based Irrigation Controller Study (includes controller given to approved resident) – completed 2006
- (4/2012). One is our Water Conservation Specialist and the other is our Park/Maintenance Supervisor. Both positions promote BMPs and IPM during their interaction with home owners, businesses and with the City’s Landscape Contractors.

Promote use of drought tolerant and native vegetation by:

- Offering Water Wise Gardening on the City’s website

- During Water Use Surveys
- Planting in our City owned/maintained landscape

Promote outreach messages to encourage appropriate watering/irrigation practices by:

- The City includes messages on billing statements promoting water conservation (12 messages per year)
- Newsletter to City Customers – Brentwood Connection – providing information on watering schedule and conservation tips (3 time per year)
- Website updated to include and target water conservation
- Auto Dialer Call Notifications - notifying customers of changes to water use restrictions
- Notification – Emailed news letter
- Water Conservation brochure – updated annually
- Maintaining a 30% reduction over 2013 use.

Implement Illicit Discharge Enforcement Response Plan for ongoing large volume landscape irrigation runoff by:

- The City adopted the Model Water Efficient Landscape Ordinance (MWELO) in 2010 provided by the Department of Water Resources
- The City meets MWELO by adopting the water efficient landscape ordinance
- The ordinance requires new construction and rehabilitation projects to:
 - Provide a Landscape Documentation Package (certification of installation; irrigation scheduling; schedule of landscape and irrigation maintenance; landscape irrigation audit report; and soil management report.
 - Require use of maximum applied water allowance, Water Use Classification of Plants (WUCOLS), and an audit performed by a certified irrigation auditor.
 - Require the use of recycled water for irrigation systems and decorative water features unless a written exemption is granted by the local water purveyor.
 - Recommend storm water management practices and increase rainwater capture and create opportunities for infiltration and/or onsite storage of rainwater.
 - Provide information to owners of new homes regarding design and installing of water efficient landscapes.
 - Address existing landscapes over 1 acre in size and evaluate water use and provide recommendations for reducing landscape water use.

The City adopted Municipal Code Chapters 14.20 and 17.630, that state residents and businesses are to minimize spray and run off.

Through the CCCWP, the City 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.

- **Municipal staff (Park Maintenance Manager, Parks Planning Technician, and Water Conservation Specialist) have received 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.**

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

Program Highlights and Evaluation

Highlight/summarize activities for reporting year

Summary:

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

C.16.5.b Inspection for Construction Site Control on Hillslope Projects

C.16.5.c Trash Load Reductions - Identification of Private Drainages >10,000 ft²

C.16.5.f Diazinon and Chlorpyrifos Controls

C.16.5.g Methylmercury Monitoring

C.16.5.h Delta Mercury Control Program

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

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

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

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

Yes

No

If No, provide an explanation and estimated completion date:

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

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

Yes

No

If No, provide an explanation and estimated completion date:

Description of the process used to identify applicable areas and their trash control status: These areas are private, meet the greater than 10,000 ft² area requirement, and are not currently located in a full trash capture area.

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

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

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

Frequent street sweeping - City streets are swept once every two weeks. Schedule for each street can be checked on City website:
<https://brentwoodca.gov/gov/pw/streets/sweeping.asp>

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

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