

ANTIOCH CALIFORNIA

September 30, 2021

Michael Montgomery, 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 Mr. Montgomery and Mr. Pulupa:

Enclosed please find the the City of Antioch Annual Report for Fiscal Year 2020-21 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.

Attached to this letter, please find a table showing impacts this past reporting year from the COVID pandemic that effected compliance with certain provisions. Also shown in that table are the actions the City has already taken/will take to come into compliance.

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,



Ron Bernal
City Manager

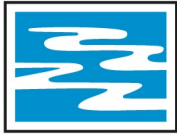
Enclosure

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OFFICE OF THE CITY MANAGER



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*	MRP 2.0 Provision	Impacted Compliance Activity	Why Compliance Was Delayed	In-lieu/ Proposed Actions
X	C.3.h.	Inspection by the Permittee of an average of 20%, but no less than 15%, of the total number of Regulated Projects, offsite projects, or Regional Projects.	Staffing	Add staff or contractors – budget dependent
X	C.4.d.	Industrial & Commercial business inspections and enforcement.	Contractor shutdown	Already resumed for FY21/22
	C.5.d.	Illicit discharge tracking and case follow-up, Illicit discharge field investigations.		
	C.6.e	Conduct inspections to determine compliance and effectiveness of BMPs.		
X	C.7.b-g.	In-person outreach events, citizen involvement events, school age children outreach, paid media campaign bus ads. Individually or collectively implement outreach events.	In-person events suspended	Restart in FY21/22 if possible
	C.7/ C.11.e. / C.12.h.	Fish Risk Reduction sign, brochure and poster distribution. Conduct ongoing risk reduction program to address public health impacts of mercury and PCBs in SFB/Delta fish.		
	C.9.b	Ensure all municipal employees who apply or use pesticides are trained in IPM.		
	C.9.e	Conduct outreach to consumers at the point of purchase.		
X	C.10.a	Trash controls. The Permittees shall demonstrate compliance with Discharge Prohibition through the timely implementation of control measures and other actions to reduce trash loads from MS4.	Contractor shutdowns	Already resumed for FY21/22
	C.10.b	Maintenance of full capture devices. All full trash capture devices shall be inspected and maintained at least once per year. Devices in high or very high trash areas shall be inspected at least 2x/year.		
X	C.10.b	OVTAs. Conduct on-land visual assessment of each trash generation area where implementing trash management actions other than full trash capture.	Staffing	Add staff or contractors – budget dependent
	C.10.b.v.	Creek/shoreline cleanups. Permittee may offset trash load percent reduction by conducting additional cleanup of creeks and shorelines if performed at least 2x/year.		
	C.10.c.	Hotspot cleanups. Trash hot spots in receiving waters shall be cleaned annually.		
	C.15.b	Testing/ inspection of exempted discharges. Twice per year samples shall be taken from each aquifer that will/ may discharge into a storm drain; test the receiving water up and downstream of discharge point.		
	OTHER	<i>List any other challenges not listed above:</i>		

*Put an “x” in this column if this provision was impacted by COVID-19 Orders

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Section 1 – Permittee Information

Background Information			
Permittee Name:	City of Antioch		
Population:	112,520 (CA Dept of Finance estimate as of Jan 2020)		
NPDES Permit No.:	CAS612008		
Order Number:	R2-2015-0049 (as amended by R2-2019-0004)		
Reporting Time Period (month/year):	July 2020 through June 2021		
Name of the Responsible Authority:	Ron Bernal	Title:	City Manager
Mailing Address:	200 H Street		
City:	Antioch	Zip Code:	94531
City:			Antioch
Telephone Number:	(925) 779-7011	Fax Number:	(925) 779-7003
E-mail Address:	rbernal@antiochca.gov		
Name of the Designated Stormwater Management Program Contact (if different from above):	Phil Hoffmeister	Title:	Administrative Analyst
Department:	Public Works Development Engineering		
Mailing Address:	200 H Street		
City:	Antioch	Zip Code:	94509
City:			Antioch
Telephone Number:	(925) 779-6169	Fax Number:	(925) 779-7034
E-mail Address:	phoffmeister@antiochca.gov		

Section 2 - Provision C.2 Reporting Municipal Operations

Program Highlights and Evaluation

Highlight/summarize activities for reporting year:

Summary:

In addition to the performing the required activities under Provision C.2, the City of Antioch continues to be an active participant in the Contra Costa Clean Water Program (CCCWP) Municipal Operations Committee (MOC). The MOC is responsible for reviewing and developing countywide guidance and training on stormwater pollution prevention activities for municipal maintenance activities, commercial/industrial inspection programs, illicit discharge control activities, and trash load reduction activities. Information, training, and work products produced by MOC are disseminated to City Public Works employees.

Although no longer a requirement under C.2, the City of Antioch continues to perform street sweeping. Copies of the sweeping schedule can be viewed at <https://deltadiablo.specialdistrict.org/files/500098351/Alpha+Listing+Official+Antioch+Street+List+Revised++7-25-2019.pdf>, and the street sweeping map can be viewed at <https://deltadiablo.specialdistrict.org/files/b38105bf4/street-sweep-map.pdf>. Street sweeping continues to be an effective method in removing trash and sediment prior to reaching storm drains as well as providing an aesthetic benefit citywide. The City is currently assessing if additional street sweeping efforts can be utilized to enhance trash removal.

The City of Antioch is also committed to reduce overflows of fats, oils, and grease (FOG) from restaurants and shops by its continued participation in the region-wide FOG committee. The FOG committee is comprised of East Contra Costa County municipalities served by the Delta Diablo Sanitation District and provides education and outreach materials to restaurant and shop owners, municipal inspectors and public works employees, and the general public. The FOG webpage can be viewed at <https://www.deltadiablo.org/fog-fats-oil-grease-d4a60ff>.

For a description of activities implemented on a countywide/regional level, please see Section C.2 of the CCCWP's FY 20-21 Annual Report.

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

Comments:

The City has no formal contract specifications for proper capture and disposal methods for bridge, structural maintenance, and graffiti removal because that work is not contracted out. City employees perform the work and are trained on BMPs. Rather than blast or wash graffiti, every attempt is made to paint over it; however, in some cases, sand blasting is required. Proper painting BMPs are followed during that work, including, but not limited to, the use of drop cloths and monitoring wind.

C.2.e. ► Rural Public Works Construction and Maintenance			
Does your municipality own/maintain rural ¹ roads:		<input checked="" type="checkbox"/> X	Yes
		<input 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 checked="" type="checkbox"/> Y	Control of road-related erosion and sediment transport from road design, construction, maintenance, and repairs in rural areas		
<input checked="" type="checkbox"/> Y	Identification and prioritization of rural road maintenance based on soil erosion potential, slope steepness, and stream habitat resources		
<input checked="" type="checkbox"/> Y	No impact to creek functions including migratory fish passage during construction of roads and culverts		
<input checked="" type="checkbox"/> Y	Inspection of rural roads for structural integrity and prevention of impact on water quality		
<input checked="" type="checkbox"/> Y	Maintenance of rural roads adjacent to streams and riparian habitat to reduce erosion, replace damaging shotgun culverts and excessive erosion		
<input checked="" type="checkbox"/> Y	Re-grading of unpaved rural roads to slope outward where consistent with road engineering safety standards, and installation of water bars as appropriate		
<input checked="" type="checkbox"/> Y	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:			
The City of Antioch has only a few rural roads within its jurisdiction (Deer Valley Road and Empire Mine Road); however, they are rarely maintained. For many years, Empire Mine Road has been closed to all vehicle traffic by locked gates and only this reporting year, Deer Valley Road was cape sealed.			

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 checked="" type="checkbox"/>	We have a Stormwater Pollution Prevention Plan (SWPPP) for the Corporation Yard(s)

Place an **X** in the boxes below next to implemented SWPPP BMPs to indicate that these BMPs were implemented in applicable instances. If not applicable, type **NA** in the box. If one or more of the BMPs were not adequately implemented during the reporting fiscal year then indicate so and explain in the comments section below:

<input checked="" type="checkbox"/>	Control of pollutant discharges to storm drains such as wash waters from cleaning vehicles and equipment
<input checked="" type="checkbox"/>	Routine inspection prior to the rainy seasons of corporation yard(s) to ensure non-stormwater discharges have not entered the storm drain system
<input checked="" type="checkbox"/>	Containment of all vehicle and equipment wash areas through plumbing to sanitary or another collection method
<input checked="" type="checkbox"/>	Use of dry cleanup methods when cleaning debris and spills from corporation yard(s) or collection of all wash water and disposing of wash water to sanitary or other location where it does not impact surface or groundwater when wet cleanup methods are used
<input checked="" type="checkbox"/>	Cover and/or berm outdoor storage areas containing waste pollutants

Comments:

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

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

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

Is your agency choosing to require 100% LID treatment onsite for all Regulated Projects and not allow alternative compliance under Provision C.3.e.?

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

C.3.e.v ► Special Projects Reporting

1. In FY 2020-21, 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 2020-21, 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.

As indicated in Table C.3.h.v.(2) below, no new facilities were constructed during the reporting year. Many of the facilities were built the previous year. With the ongoing COVID pandemic, construction has been sporadic at best, with most of the work during the reporting year being finishing/vertical construction from projects that stopped earlier in the reporting year.

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 (FY19-20)	41
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 20-21)	41
Total number of Regulated Projects (including offsite projects, and Regional Projects) for which O&M verification inspections were conducted during the reporting period (FY 20-21)	0
Percentage of the total number of Regulated Projects (including offsite projects, and Regional Projects) inspected during the reporting period (FY 20-21)	0% 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.
<p>Summary:</p> <p>All development projects that were constructed subject to C.3 within the City have bioretention facilities. Private facilities are to be inspected annually; however, none were performed this past year due to continued lack of staffing and funding. This was further hindered by the COVID-19 pandemic where staffing was frozen and coverage of existing staff was needed elsewhere. Maintenance and trash pickup is typically conducted by private owner's landscape maintenance contractors.</p> <p>Common problems are accumulated trash, usually after larger storm events, and reminding new owners and/or management of maintenance responsibilities.</p>

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:

N/A

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.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:

Preliminary outreach and education at the local level has been conducted by holding interdepartmental meetings and informing those who will be involved in the process of compliance timelines and requirements. Please see the CCCWP's FY 20-21 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.

As presented in Section 3.2 our GI Plan, the City of Antioch's approach in identifying potential GI projects include utilizing the CCW SWRP ranked-project list for Antioch and finding opportunities in the public right-of-way (ROW) and City-owned parcels. Because of their larger scale, the SWRP projects will be addressed when funding options are available. For ROW projects, priority is given to roadways classified as arterial and major collectors that have existing landscape features. City-owned parcels will be evaluated on a case-by-case basis; however, priority will be given to those with existing parking areas.

Also please see the May 6, 2016 BASMAA document, "Guidance for Identifying Green Infrastructure Potential in Municipal Capital Improvement Projects" that all Contra Costa municipalities followed.

Summary of Planning or Implementation Status of Identified Projects:

No CIP projects this reporting year had any opportunities for GI. Most were linear projects for replacement or upgrades to water and sewer mains and road sealing. Projects listed in C.3.j.ii.(2)-B below are also presented in Section 4.2 of Antioch's GI Plan. It should be noted that, in addition to its own required treatment volume in the development, the bioretention facilities at the Aviano project will treat 86 acres of upgradient/offsite runoff.

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 see the CCCWP's FY 20-21 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 see the CCCWP's FY 20-21 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											
Deer Valley Estates	6100 Deer Valley Rd	Blue Mountain Communities	N/A	121 new SF homes	Sand Creek (Marsh Creek Watershed)	37.6	37.6	786,621	0	0	786,621
United Pacific Fuel Station	5200 Lone Tree Way	Jeff Ferrell	N/A	New gas station with convenience store	East Antioch Creek	2.15	2.15	31,594	20,654	23,927	53,342
Mt. Diablo Resource Recovery Maintenance Building	2600 Wilbur Avenue	Mr. Diablo Resource Recovery	N/A	Redevelopment of existing site for truck maintenance	East Antioch Creek	10.3	8.5	9,773	192,404	202,177	211,950
Public Projects											
None											
Comments: Note that during the time of writing this report, no information for application deemed complete or final approval dates was available due to network outage. Those entries have been marked with "N/A". No public projects approved during FY20-21 were subject to Provision C.3.											

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 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										
Deer Valley Estates	N/A	N/A	Storm drain stencils; proper trash enclosure; IPM; street sweeping	Minimize impervious surfaces; preserve setback; drainage as design element	Cistern/Vault + Bioretention	O&M by property owner(s)/HOA	2.b	N/A	N/A	Onsite – cistern/vault + bioretention
United Pacific Fuel Station	N/A	N/A	Storm drain stencils; proper trash enclosure; IPM; sweep plazas	Minimize impervious surfaces; preserve setback; drainage as design element	Bioretention	O&M by property owner(s)	2.b	N/A	N/A	Onsite – bioretention
Mt. Diablo Resource Recovery Maintenance Building	N/A	N/A	Storm drain stencils; proper trash enclosure; IPM; sweep plazas	Minimize impervious surfaces; preserve setback; drainage as design element	Bioretention	O&M by property owner(s)	2.b	N/A	N/A	Onsite – bioretention

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
 (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										
None										
Comments: No public projects approved during FY20-21 were subject to Provision C.3.										

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)
No facilities were constructed this reporting year			

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

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

C.3.e.v. Special Projects Reporting Table												
Reporting Period – July 1 2020 - June 30, 2021												
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
None												

Special Projects Narrative

There were no Special Projects in the City of Antioch for FY20-21. It should be noted that there is a special project planned for around the BART station. This was presented in the Hillcrest Station Area Specific Plan which was approved in 2009 and available here: <https://www.antiochca.gov/fc/community/transportation/Hillcrest-Station-Area-Specific-Plan.pdf>.

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.

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
None				

C.3.j.ii.(2) ► Table B - Planned and/or Completed Green Infrastructure Projects			
Project Name and Location ⁴⁸	Project Description	Planning or Implementation Status	Green Infrastructure Measures Included
City Park A St & 10 th St	Revitalization of park – new playground, bathroom, driveways and landscaping	Completed	Drain impervious to landscaping
Antioch Community Center 4703 Lone Tree Way	New construction of Community Center	Completed	Bioretention and pavers
Aviano Hillcrest Ave & San Martino Dr	New residential subdivision treating offsite/upgradient runoff	In progress	Bioretention

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.

Laurel Road	Extension of Laurel Rd from Country Hills Dr to Highway 4 Interchange	In progress	Bioretention
Empire Road Widening	Road widening at 2700 and 2800 Empire Avenue	In progress	Bioretention

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

Program Highlights and Evaluation

Highlight/summarize activities for reporting year:

Summary:

Antioch continues its successful partnership with Delta Diablo (DD), formerly Delta Diablo Sanitation District, in performing industrial and commercial site inspections. The program targets priority businesses on a proactive/routine and callout basis, and DD is authorized to issue NOVs/WPNs. A total of 17 inspections were performed this past year, from a goal of 48 inspections. That total is 35% of the target. The significant drop-off is attributed to continuing shelter-in-place orders during the reporting year due to the COVID pandemic and restrictions enacted by DD. In summary, four (4) IU facilities were inspected in September and October 2020. DD inspection activities were not allowed to resume until the 4th quarter of the reporting year, where 13 inspections were performed. During inspections, no actual or potential discharges to the storm system were observed and NOVs or WNs were issued.

The City of Antioch updates its facilities list and inspection schedule as needed and will continue to participate in the CCCWP's Municipal Operations Committee (MOC). That committee, in conjunction with the BASMAA MOC, addresses all aspects and compliance with C.4. Please see the C.4. Industrial and Commercial Site Controls section of the CCCWP's FY 20-21 Annual Report for a description of activities of the countywide program.

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.

Attached.

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))	17
Violations, enforcement actions, or discreet number of potential and actual discharges resolved within 10 working days or otherwise deemed resolved in a longer but still timely manner (C.4.d.iii.(2)(c))	0
Comments: Reduced number of inspections this reporting year due to COVID.	

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/Warning Notice/Education	0
Level 2	Notice of Violation	0
Level 3	Formal Enforcement (Administrative Penalties, Cost Recovery)	0
Level 4	Legal Action and/or Referral to State and Federal Agencies	0
Total		0

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

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

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

Business Category ⁵⁰	Number of Actual Discharges	Number of Potential Discharges
Auto Service/Repair	0	0
Food Service	0	0
Permitted IU	0	0
Healthcare	0	0

C.4.d.iii.(2)(e) ► Non-Filers

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

There were no non-filers identified during this reporting year.

C.4.e.iii ► Staff Training Summary

Training Name	Training Dates	Topics Covered	No. of Industrial/ Commercial Site Inspectors in Attendance	Percent of Industrial/ Commercial Site Inspectors in Attendance	No. of IDDE Inspectors in Attendance	Percent of IDDE Inspectors in Attendance
C.4 & C.5 Stormwater Inspection Training Workshop (Contra Costa County)	5/25/21	<ul style="list-style-type: none"> Basics of Routine Inspection Stormwater Regulatory Overview Anatomy of Enforcement Inspection Photo Review Jurisdictional Clarity 	3	100	0	0
CWEA Annual	3/8/21 – 3/11/21	<ul style="list-style-type: none"> Stormwater program 	2	67	0	0

⁵⁰List your Program's standard business categories.

Pretreatment, Pollution Prevention and Stormwater Conference (Virtual)		<ul style="list-style-type: none"> General inspector skills 				
Comments: No IDDE inspectors from the City could attend any trainings this year due to lack of staffing and coverage issues.						

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:

Although no longer required, the City of Antioch continues to implement a storm water conveyance screening program where storm water structures/conveyances are televised and/or visually inspected once every 5 years. Due to lack of staffing and limited access to the TV truck, no pro-active televised screenings were performed this year. However, there were 5 televised screenings for callouts for flooding due to blockages. Those blockages were identified to be caused by organic debris (leaves, branches, etc.). Under the visual inspection program, a total of 2,024 catch basins were inspected, 10 cleaned, and 581 “No Dumping Drains to River” buttons were (re)installed. No illegal connections were observed or detected this past year.

A total of 7 callouts were logged; 4 from Code Enforcement; 2 from Public Works; and 1 referral from CalOES (#21-2354). Discharges from 5 of those 7 callouts were directly observed or had evidence of reaching the storm drain. All discharges were cleaned by public works crews and/or contractor.

- Code Enforcement logged a total of 4 responses potentially related to NPDES. Of those 4, only 2 were verified complaints. Those 2 included pool water discharge and concrete saw-cutting. NOVs were issued for each, for a total of 2. All NOVs were resolved in a timely manner. No discharges or evidence of discharges were observed for the remaining 2 cases.
- Public Works logged 2 callouts through the online complaint system and direct call into Public Works. One (1) was for fire suppressant foam reaching the storm drain and nearby creek from a residential fire. The foam was used by the County FD; however, no BMPs were placed by the FD prior to using the foam. Public Works crews placed booms in the nearby creek and vacuumed the catch basin and storm line to the outfall. The remaining callout was for paver and concrete saw cutting at a residence. Public works crews removed the discharge from the nearest catch basin and cleaned 428 feet of downgradient storm line.
- The remaining case was a referral from CalOES (#21-2354). A resident had seen his neighbor discharge milky-white water from their floor cleaning business equipment. Apparently the resident contacted the EPA, Water Board, and County HAZMAT. An OES number was issued and the City was contacted. Both a Code Enforcement Officer and the Storm Water Manager responded for the City and spoke with the property owner. Staining and evidence of discharge was seen in the gutter and nearby catch basin. Code Enforcement issued a NOV which was resolved by the property owner. No further incidents have occurred at the location.

The City continues to be an active participant on the CCCWP's MOC committee where C.5 issues are addressed. Please see Section C.5 in the CCCWP's FY 20-21 Annual Report for a description of activities and work products at the county or regional level.

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

Summary of any changes made during FY 20-21:

As in previous years, there are a number of ways the public can report illicit discharges. Residents can call regionally at 800NODUMPING. That number is fielded by the County and forwarded to the appropriate municipality. Residents can also call directly to Antioch Public Works at (925) 779-6950 and Code Enforcement at (925) 779-7042. Online complaints can be filed at <https://www.antiochca.gov/report-anissue/>. This webpage is accessible from the main City webpage. Once on the report an issue webpage, you can use an app or contact a City department directly. SeeClickFix is an app-based platform that can be downloaded onto a phone or tablet and residents can submit incidents as they see them. This app allows the user to send info about the incident including pictures and the specific location (logged by phone GPS).

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

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

	Number
Discharges reported (C.5.d.iii.(1))	7
Discharges reaching storm drains and/or receiving waters (C.5.d.iii.(2))	5
Discharges resolved in a timely manner (C.5.d.iii.(3))	5

Comments:

The City of Antioch has multiple ways that residents can report incidents; by phone, online, app, or email. All reported incidents are routed to both Code Enforcement and Public Works for response. Occasionally, reported discharges have already reached the storm drains; however, the City has the ability both internally and externally to respond and clean any incident.

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	6	34
<p>Comments:</p> <p>Sites >1 acre include: Laurel Ranch (Richland); Promenade (Century@Sand Creek); Park Ridge (Davidon); Riverview @Monterra (K. Hovanian); and Aviano (DeNova). There was also 1 linear project under Capital Improvement for water main replacements at various locations in the City.</p> <p>Active hillside projects or high priority sites <1 acre: None.</p> <p>It should be noted that due to the COVID pandemic, construction during the reporting year slowed significantly. As a result, there was a major reduction in inspections as compared to last year.</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 Warning/Warning Notice/Notice to Comply/Education	20
Level 2	Notice of Violation	0
Level 3	Formal Enforcement	0
Level 4	Legal Action and/or Referral to State or Federal Agencies	0
Total		20

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 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
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:	
Although not a higher level enforcement action, one (1) Notice to Comply (NC) was issued for installing erosion and sediment controls (straw wattle and silt fence). The contractor was delaying installing those items due to the lack of rain but the City felt it was the appropriate time. The NC was addressed within 10 days.	

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:

Most of the compliance issues this reporting year were just verbal warnings or attention to items at the end of the work day. Contractors seem aware of storm water requirements and address issues quickly when brought to their attention. This may be because there are only a small number of projects being constructed this year than in the past and inspectors and contractors have more time to address issues than previous years. No discharges were observed to have reached the storm drain. Because of the slower than normal construction activity, most likely caused by the ongoing impacts of the COVID pandemic, data trends cannot be recognized at this time. Typical BMP performance issues appear to be mostly human induced by misplacement or neglect.

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 inspection program appears to be effective; however, because of the reduced workforce, building inspectors have been forced to work half-days in the field and half in office which has resulted in a slight backlog. Also impacting the amount of inspections performed this year was the shutdown in construction due to COVID-19 quarantine. Getting to inspections in a timely manner can sometimes be challenging. The strength of our program is the quality of our inspectors. They attend training whenever possible and implement what they learn and hold contractors responsible for the condition of their sites and follow-up. Getting all inspectors to attend annual training is an area that needs improvement; however, due to the reduced work hours and staff, it has been problematic. One unaddressed issue is if the number of projects begins to increase, there may not be enough inspectors to visit them adequately.

The City continues to participate as an active member of the CCCWP's Development Committee where Provision C.6 is covered and also joined the BASMAA Development Committee this year.

Please see Section C.6 of the CCCWP's FY 20-21 Annual Report for a description of activities at the countywide or regional level.

C.6.f.iii ▶ Staff Training Summary

Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance
Not required this reporting year			

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:

See Section 7 in the CCCWP's FY 20-21 Annual Report for a complete review of advertising efforts conducted by the CCCWP on behalf of all Permittees. The City of Antioch has served on the Public Information and Participation (PIP) Committee for 20 years. In addition to the CCCWP efforts, the City also conducts litter education in conjunction with litter cleanup events held annually including Coastal Cleanup Day and neighborhood cleanup events. The city has a Facebook page and a NextDoor agency account for environmental outreach. On those platforms we post tips, events and workshops, ecofacts and resources throughout the year, including HHW disposal, less toxic gardening options and litter reduction. Antioch is a contributor to the regional Motor Oil and Filter Recycling transit ad placement and contributes the Mr Funnelhead Program for purchase of air time for PSAs on Comcast.

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

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

- 1) A description of the outreach campaign
- 2) A summary of how the effectiveness assessment/evaluation was implemented
- 3) An analysis of the effectiveness assessment/evaluation results
- 4) A discussion of the measurable changes in awareness and behavior achieved
- 5) A discussion of the planned or future outreach campaigns to influence awareness and behavior changes regarding stormwater runoff pollution prevention messages

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

<input type="checkbox"/>	See attached effectiveness assessment/evaluation report
<input checked="" type="checkbox"/>	See Countywide or regional submittal (reference document)
<input checked="" type="checkbox"/>	Effectiveness assessment/evaluation report was included in the FY 19-20 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
Cleaner Contra Costa Challenge	https://www.cleanercontracosta.org/ In partnership with Contra Costa County and the cities of Walnut Creek and San Pablo, a new online platform was launched during the last reporting period. It allows residents to pledge and track their sustainability actions, including pollution prevention and organics gardening.	Ongoing platform for sustainable acts. We need to run for one more year to get enough data to evaluate effectiveness.
Coastal Cleanup Day (MONTH) Saturdays in September, 2020	Due to Shelter in Place orders related to Covid-19, residents were encouraged throughout the month of September to go out and pick up litter in their own neighborhoods.	This was an excellent way to pivot this event and highlight the fact that storm drains in neighbors do discharge to the coast.

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 FY 20-21 Annual Report, Section 7 Public Information and Outreach for a full description of Watershed Stewardship Collaborative Efforts conducted countywide and/or regionally on behalf of all Permittees and an evaluation of their effectiveness. In addition to the regional efforts, the city coordinates with Antioch Charter Academy II on creek cleanups of West Antioch Clean through the Antioch Fairgrounds where the school is located. Students learn about the impacts of litter and other pollutants in local waterways and work to keep their creek clean for the benefit of the creek and to prevent flooding of their campus.

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
Kids for the Bay, Watershed Action Program Elementary	This is a classroom lessons program offered by Kids for the Bay. It focuses on overall watershed lessons, litter issues, biomagnification and other environmental education lessons.	61 students (4 th & 5 th grade), their families, and 2 teachers at Marsh Elementary School in Antioch.	This program was done via Zoom and was another example of a successful pivot to virtual learning.

<p>Mr Eco, Ecohero Performances</p>	<p>School music performances of environmental messaged rap and hip-hop songs. Messaging includes ant-littering, reusable options, recycling, climate and water conservation.</p>	<p>100% virtual for this school year, 2,395 students reached with 11 Classroom Presentations and 6 Whole School Assemblies.</p>	<p>This program has proven to be very effective at reaching students have them bring the messages home to their parents. The program staff have shifted to virtual performances with a fresh new approach and feedback from students and teachers has been excellent.</p>
<p>Waste Diversion Guide for grab and go school lunches</p>	<p>For all the reporting period our school district was at 100% distance learning due to the Covid-19 pandemic. For school lunches, there was a grab and go system for families to be able to take home food that their students would have normally been provided on campus. Packed in those food pickups was a flyer on how to discard materials that the food came in and resources for reducing food waste.</p>	<p>3000 grab and go meals over a few pickup days</p>	<p>One of the reasons the City distributed this flyer was to reduce litter and increase diversion of material in home recycling bins. This is part of ongoing outreach to residents to encourage planet friendly actions.</p>

Section 9 – Provision C.9 Pesticides Toxicity Controls

C.9.a. ► Implement IPM Policy or Ordinance						
Is your municipality implementing its IPM Policy/Ordinance and Standard Operating Procedures?				X	Yes	No
If no, explain:						
Report implementation of IPM BMPs by showing trends in quantities and types of pesticides used, and <u>suggest reasons for increases in use of pesticides that threaten water quality</u> , 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	
Organophosphates						
Active Ingredient: Chlorpyrifos	0	0	0	0	0	
Active Ingredient: Diazinon	0	0	0	0	0	
Active Ingredient: Malathion	0	0	0	0	0	
Pyrethroids (see footnote #2 for list of active ingredients)						
Active Ingredient: Bifenthrin	104 oz	88 oz	130 oz	37.52 oz	23.42 oz	
Active Ingredient: Lambda-Cyhalothrin	0	0	0.24 oz	2.10 oz	0	
Active Ingredient: Deltamethrin	0	0	0.4 oz	7.02 oz	0	
Carbamates						
Active Ingredient: Carbaryl	0	0	0	0	0	
Active Ingredient: Aldicarb	0	0	0	0	0	
Fipronil	0	0	2.4 oz	1.725 oz	0.8 oz	

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.

Pesticide Category and Specific Pesticide Active Ingredient Used	Amount				
	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21
Indoxacarb	0	0	0	0	0
Diuron	0	0	0	0	0
Diamides					
Active Ingredient: Chlorantraniliprole	0	0	0	0	0
Active Ingredient: Cyantraniliprole	0	0	0	0	0
Reasons for increases in use of pesticides that threaten water quality:					
<p>Overall, there continues to be a decrease in usage compared to last year's amounts. Bifenthrin usage varies, which may be due to fluctuations in insect populations between years; however, the overall trend is down. This could be attributed to seasonal variability and the amount of precipitation during winter months. Also, per our PAPA contractor, the initial application for active ingredient of fipronil usually requires a higher amount to get control of pest populations. Subsequent years usually yield less usage as it's a matter of routine maintenance, which appears to be occurring.</p>					
IPM Tactics and Strategies Used:					
<p>Two of the IPM strategies we implemented this year were Mechanical/Physical by way of mowing, disking, and hand abating pests as well as Chemical Controls spraying by down weeds after mechanical removal. The combination of these 2 tactics increase the amount of time pests are controlled without a large increase in cost and labor. Mechanical weed management and mowing is considered and used first, when practicable, in lieu of herbicide use. If found, City staff attempts to seal all holes and gaps in structures prior to spraying and alerting employees to the issues of pest control and the importance of keeping areas clean by ensuring proper sanitation practices.</p>					

C.9.b ► Train Municipal Employees

Enter the number of employees that applied or used pesticides (including herbicides) within the scope of their duties this reporting year.	11
Enter the number of these employees who received training on your IPM policy and IPM standard operating procedures within this reporting year.	11
Enter the percentage of municipal employees who apply pesticides who have received training in the IPM policy and IPM standard	100%

operating procedures within this reporting year.	
Type of Training: Online correspondence courses: Technical Learning College Agricultural Pest Control, PAPA online seminars, and DPR N-series tailgate training.	

C.9.c ▶ Require Contractors to Implement IPM

Did your municipality contract with any pesticide service provider in the reporting year, for either landscaping or structural pest control?	X	Yes		No
If yes, did your municipality evaluate the contractor's list of pesticides and amounts of active ingredients used?	X	Yes		No,
<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>City public works staff responsible for managing contracted pesticide applicators reviews the list of pesticides and active ingredients used, meets with contractors, and requires contractors to obtain City staff approval before applying pesticides. The City also utilizes BMPs during applications. Some include, not applying during windy days, applying only as directed or as needed, and following all safety and application procedures.</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
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<p>If yes, summarize the communication. If no, explain.</p> <p>Annual pesticide storage area inspections are performed by Contra Costa County Ag inspectors. Ag inspectors inspected all the storage facilities and pesticide spraying equipment before issuing a new pesticide use permit for 2021.</p>				
<p>Did your municipality report any observed or citizen-reported violations of pesticide regulations (e.g., illegal handling and applications of pesticides) associated with stormwater management, particularly the California Department of Pesticide Regulation (DPR) surface water protection regulations for outdoor, nonagricultural use of pyrethroid pesticides by any person performing pest control for hire.</p>	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
<p>If yes, provide a summary of improper pesticide usage reported to the County Agricultural Commissioner and follow-up actions taken to correct any violations. A separate report can be attached as your summary.</p>				

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

<p>Provide a summary of public outreach at point of purchase, and any measurable awareness and behavior changes resulting from outreach (here or in a separate report); OR reference a report of a regional effort for public outreach in which your agency participates.</p>
<p>Summary:</p> <p>Please see Section C.9 Pesticides Toxicity Control section of the CCCWP's FY 20-21 Annual Report for information on point of purchase public outreach conducted countywide and regionally.</p>

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

<p>Provide a summary of outreach to residents who use or contract for structural pest control and landscape professionals); AND/OR reference a report of a regional effort for outreach to residents who hire pest control and landscape professionals in which your agency participates.</p>
<p>Summary:</p> <p>Please see Section C.9 Pesticides Toxicity Control section of the CCCWP's FY 20-21 Annual Report for information on point of purchase public outreach conducted countywide and regionally.</p>

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

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

Summary:

Please see Section C.9 Pesticides Toxicity Control section of the CCCWP's FY 20-21 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 20-21, 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)	37.1%
Percent Trash Reduction in all TMAs due to Control Measures Other than Trash Full Capture Systems (as reported in C.10.b.ii) ⁵⁵	0
Percent Trash Reduction due to Jurisdiction-wide Source Control Actions (as reported in C.10.b.iv)	0
SubTotal for Above Actions	37.1%
Trash Offsets (Optional)	
Offset Associated with Additional Creek and Shoreline Cleanups (as reported in C.10.e.i)	15%
Offset Associated with Direct Trash Discharges (as reported in C.10.e.ii)	10%
Total (Jurisdiction-wide) % Trash Load Reduction through FY 2020-21	62.1%
Discussion of Trash Load Reduction Calculation:	
<p>As amended by R2-2019-0004, per Section C.16.5.c. of Order No. R2-2015-0049, East Contra Costa County Permittees had until December 31, 2019 to meet the 70% mandatory trash reduction. At 62.1%, the City of Antioch is just short of the 70% goal; however, the City has made great progress even with the challenges faced this past year. The City now has 145 full-trash capture devices (FTCDs). Of that total, there are 130 baskets, 14 connector pipe screens, and 1 gross solids removal device. Those FTCDs treat approximately 994 acres and account for approximately 37% of the trash load reduction. Because of coverage issues, likely caused by the ongoing pandemic, there was no budget or staff available to perform any on-land visual assessments within TMAs.</p> <p>In addition to FTCDs, other trash management actions include 5 on-land trash reduction programs. Those are:</p> <ul style="list-style-type: none"> • Monthly Neighborhood Cleanup Program, sponsored by the Antioch Police Department (suspended for the reporting year due to COVID); 	

⁵⁵ See Appendix 10-1 for changes between 2009 and FY 20-21 in trash generation by TMA as a result of Full Capture Systems and Other Measures.

- Citywide Litter Routes Pickups and Illegal Dumping Referrals, performed by Republic Services per franchise hauler contract;
- City of Antioch Abatement Team;
- Keep Antioch Beautiful Day (suspended for the reporting year due to COVID), and
- Code Enforcement Neighborhood Cleanups.

As noted above, of the 5 programs, only 3 remained active during the reporting year. From those 3 active programs, a combined total of approximately 9,460 cubic yards (1,910,674 gallons) of trash was removed and prevented from entering the storm drain system. That is an increase over last year of 2,486 cy (509,232 gallons). The amount of trash removed compared to last year is up which may be attributed to the COVID pandemic. However, that amount is >400X the required trash removal amount from all 3 trash generation rate areas (VH, H, & M) combined. Credit for these programs are under direct trash discharge offset with a 15% reduction credit.

The City also conducted a 4-day creek and shoreline cleanup and collected over 6 cy (1,211 gallons) of trash. That has been credited as a 10% reduction. Cleanups at illegal dumping annual hot spots removed 2.4 cy (485 gallons) of trash.

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 20-21, and prior to FY 20-21, 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 20-21		
Connector Pipe Screens	4	21
Baskets	96	513
Netting Devices	0	0
HDS Units	0	0
GSRDs	0	0
LID Facilities	0	0
Other	0	15
Installed Prior to FY 20-21		
Connector Pipe Screens	10	54
Baskets	34	214
Netting Devices	0	0
HDS Units	0	0
GSRDs	1	177
LID Facilities	0	0
Other	0	0
Total for all Systems Installed To-date	145	994
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 20-21 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 20-21 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 20-21	Summary of Maintenance Issues and Corrective Actions
1	0.6	1	0	Basket is being properly maintained at recommended intervals.
2	3.5	12	0	Baskets are being properly maintained at recommended intervals.
3	5.0	20	0	Baskets are being properly maintained at recommended intervals. CPSs are being maintained properly at recommended manufacturer intervals. Organics and trash dominate.
4	0.0	0		
5	2.1	10	0	Baskets are being properly maintained at recommended intervals.
6	0.6	3	0	Baskets are being properly maintained at recommended intervals. GSRD is being maintained properly at recommended manufacturer intervals. Predominantly organics, including leaves and branches along with some silt
7	0.1	1	0	Basket is being properly maintained at recommended intervals.
8	9.5	21	0	Baskets are being properly maintained at recommended intervals.

9	8.4	24	0	Baskets are being properly maintained at recommended intervals. CPSs are being maintained properly at recommended manufacturer intervals. Organics and trash dominate.
10	0.1	0		
11	0.0	0		
12	NA	NA		Entire TMA is low trash. No FTCDs required.
13	0.0	0		
14	0.0	0		
15	0.0	0		
16	0.6	4	0	Baskets are being properly maintained at recommended intervals.
17	0.6	6	0	Baskets are being properly maintained at recommended intervals.
18	1.1	9	0	Baskets are being properly maintained at recommended intervals. CPSs are being maintained properly at recommended manufacturer intervals. Organics and trash dominate.
19	3.5	28	0	Baskets are being properly maintained at recommended intervals.
20	1.3	5	0	Baskets are being properly maintained at recommended intervals.
21	0.0	0		
22	0.0	0		
23	0.0	0		
24	0.0	0		

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C.10 – Trash Load Reduction

25	0.0	0		
26	0.0	0		
27	0.0	0		
28	0.0	0		
29	NA	NA		Entire TMA is low trash. No FTCDs required.
30	0.0	0		
31	0.0	0		
32	0.0	0		
33	0.0	0		
34	0.0	0		
35	0.0	0		
36	0.0	0		
37	0.0	0		
38	0.0	0		
39	0.0	0		
40	0.0	0		
41	0.0	0		
42	0.0	0		
43	0.0	0		
44	0.0	0		
45	0.0	0		
47	0.0	0		
48	0.0	0		
49	NA	NA		Entire TMA is low trash. No FTCDs required.

Non-Jurisdictional	NA	1	0	Basket is being properly maintained at recommended intervals.
Unincorporated	NA	0		
Total	37.1	145	0	

Certification Statement:

The City of Antioch 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
Citywide/All TMAs	<u>On-land Cleanup: Monthly Neighborhood Cleanup Program</u> - a collaborative community effort which involves active participation from The Antioch Police Department Crime Prevention Commission; Neighborhood Watch Program; Volunteers in Police Service; community volunteers and the Public Works Department. The first Saturday of every month, volunteers walk targeted areas and pick up trash. Areas are selected based on screening done by residents, complaint calls, and/or observations by city staff. This program has been in place since 2011. Suspended this reporting year due to the COVID-19 pandemic.
Citywide/All TMAs	<u>On-land Cleanup: City-wide Litter Routes Pickups and Illegal Dumping Referrals</u> – as part of a franchise agreement with our solid waste hauler, Republic Services, bi-monthly litter pickups are conducted throughout the City and within City parking lots located in the Downtown District. They also respond to illegal dumping referrals within City right of way and public property. A total of 942 cy of trash was removed during regular litter route patrols and 1,452 cy of trash was removed from illegal dumping referrals. That is a combined total of 2,394 cy of trash removed under this program for the reporting year. That total is up 1,426 cy over last year.
Citywide/All TMAs	<u>On-land Cleanup: City of Antioch Abatement Team</u> – this team is now assigned to Public Works and addresses illegal dumping and graffiti City-wide. It is both pro-active, with pre-determined daily routes, and reactive by responding to callouts and requests. This program began in April 2015 and was made possible through securing dedicated funding from the passage of local Measure W. This program removed a total of 6,202 cy of trash from public property and right of way this reporting year. That is an increase of 664 cy compared to last year.
Citywide/All TMAs	<u>On-land Cleanup: Code Enforcement Neighborhood Cleanups</u> - In a partnership with Republic Services, this program, which started in March 2018, enables residents, within targeted areas of the City, to dispose their trash for free at designated City drop off locations. The goal of this program is to allow all residents of the City to dispose trash for free at least 1 time per year. A total of 864 cy of trash was removed this year from this program. That amount is nearly double last year.
Citywide/All TMAs	<u>On-land Cleanup: Keep Antioch Beautiful Day</u> – as part of Earth Day celebration, this annual local event was not held this year due to the ongoing COVID-19 pandemic.

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 20-21 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: No budget or staff to perform.

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	4.28	0.00	0.00	0	0.0
2	17.56	0.00	0.00	0	0.0
3	8.78	0.00	0.00	0	0.0
4	4.14	0.00	0.00	0	0.0
5	6.96	0.00	0.00	0	0.0
6	0.52	0.00	0.00	0	0.0
7	1.68	0.00	0.00	0	0.0
8	5.97	0.00	0.00	0	0.0
9	4.23	0.00	0.00	0	0.0
10	6.75	0.00	0.00	0	0.0
11	2.84	0.00	0.00	0	0.0
12*	0.00	NA	NA	NA	0.0
13	0.08	0.00	0.00	0	0.0
14	4.23	0.00	0.00	0	0.0

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

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15	3.30	0.00	0.00	0	0.0
16	2.55	0.00	0.00	0	0.0
17	3.41	0.00	0.00	0	0.0
18	3.64	0.00	0.00	0	0.0
19	5.08	0.00	0.00	0	0.0
20	4.42	0.00	0.00	0	0.0
21	3.40	0.00	0.00	0	0.0
22	3.63	0.00	0.00	0	0.0
23	2.62	0.00	0.00	0	0.0
24	3.07	0.00	0.00	0	0.0
25	0.21	0.00	0.00	0	0.0
26	1.12	0.00	0.00	0	0.0
27	0.05	0.00	0.00	0	0.0
28	0.27	0.00	0.00	0	0.0
29*	0.00	NA	NA	NA	0.0
30	0.46	0.00	0.00	0	0.0
31	0.20	0.00	0.00	0	0.0
32	0.15	0.00	0.00	0	0.0
33	0.74	0.00	0.00	0	0.0
34	2.65	0.00	0.00	0	0.0
35	0.23	0.00	0.00	0	0.0
36	0.23	0.00	0.00	0	0.0
37	0.04	0.00	0.00	0	0.0
38	0.30	0.00	0.00	0	0.0
39	0.61	0.00	0.00	0	0.0
40	0.18	0.00	0.00	0	0.0
41	0.30	0.00	0.00	0	0.0
42	0.28	0.00	0.00	0	0.0

43	0.15	0.00	0.00	0	0.0
44	0.04	0.00	0.00	0	0.0
45	1.37	0.00	0.00	0	0.0
47	0.05	0.00	0.00	0	0.0
48	0.47	0.00	0.00	0	0.0
49*	0.00	NA	NA	NA	0.0
Non-Jurisdictional*	0.00	NA	NA	NA	0.0
Unincorporated*	0.00	NA	NA	NA	0.0
Total		0.0	0.0	0	0.0

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

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
N/A				

C.10.c ► Trash Hot Spot Cleanups

Provide the FY 20-21 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 20-21.

Trash Hot Spot	New Site in FY 20-21 (Y/N)	FY 20-21 Cleanup Date(s)	Volume of Trash Removed (cubic yards)				
			FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21
ANT0001	N	6/15/21	1	1	2	1	0.8
ANT0002	N	5/25/21	1	1	0.5	1.5	0.5
ANT0003	N	5/4/21	1.6	1.3	1.3	1.6	0.8
ANT0004	N	6/7/21	0.8	0.7	0.5	0.7	0.3

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
None	

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 20-21. 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 20-21	Offset (% Jurisdiction-wide Reduction)
Additional Creek and Shoreline Cleanups (Max 10% Offset)	<i>Coastal Cleanup Day</i> – due to the COVID pandemic, volunteers were asked to go out on their own each Saturday during September and pickup along creek and shoreline (river) areas. Public works crews removed the bags left by the residents. For more information, see Section C.7.	6	10%
Direct Trash Discharge Controls (Max 15% Offset)	<p><i>Monthly Neighborhood Cleanup Program</i> - a collaborative community effort which involves active participation from The Antioch Police Department Crime Prevention Commission; Neighborhood Watch Program; Volunteers in Police Service; community volunteers and the Public Works Department. The first Saturday of every month, volunteers walk targeted areas and pick up trash. This program has been implemented for 5 years. This program was suspended this reporting year due to COVID pandemic.</p> <p><i>City-wide Litter Routes</i> – as part of a franchise agreement, our solid waste hauler, Republic Services, conducts bi-monthly litter pickups throughout the City and in City parking lots located in the Downtown District. This program has been in place since 2010.</p> <p><i>City of Antioch Abatement Team</i> – this team is assigned to Code Enforcement and addresses illegal dumping and graffiti City-wide. It is both pro-active, with predetermined daily routes, and reactive by responding to callouts and requests. This program started in 2015/16 and was made possible by dedicated funds from the passage of local Measure C and has been enabled to continue with funding from the 2018 passage of local Measure W.</p>	<p>N/A</p> <p>2,394</p> <p>6,202</p>	15%

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 20-21. 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.

	<p><i>Code Enforcement Neighborhood Cleanups</i> - this program, which started in March 2018, enables residents within targeted areas of the City, to dispose their trash for free at designated City drop off locations. The goal of this program is to allow all residents of the City to dispose trash for free at least 1 time per year.</p> <p><i>Keep Antioch Beautiful Day</i> – Not done this year due to COVID-19 pandemic.</p>	<p>864</p> <p>N/A</p>	
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Appendix 10-1. Baseline trash generation and areas addressed by full capture systems and other control measures in Fiscal Year 20-21.

TMA	2009 Baseline Trash Generation (Acres)					Trash Generation (Acres) in FY 20-21 After Accounting for Full Capture Systems					Jurisdiction-wide Reduction via Full Capture Systems (%)	Trash Generation (Acres) in FY 20-21 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	226	249	2	33	511	232	249	2	28	511	0.6	232	249	2	28	511	0.0	0.6
2	51	268	134	31	485	173	214	77	21	485	3.5	173	214	77	21	485	0.0	3.5
3	135	122	120	40	417	255	74	77	10	417	5.0	255	74	77	10	417	0.0	5.0
4	23	206	46	0	276	23	206	46	0	276	0.0	23	206	46	0	276	0.0	0.0
5	270	121	107	14	511	321	114	69	7	511	2.1	321	114	69	7	511	0.0	2.1
6	181	76	14	0	270	207	63	0	0	270	0.6	207	63	0	0	270	0.0	0.6
7	404	69	1	0	474	419	54	1	0	474	0.1	419	54	1	0	474	0.0	0.1
8	85	154	43	81	364	204	139	20	1	364	9.5	204	139	20	1	364	0.0	9.5
9	14	29	67	57	167	151	16	0	0	167	8.4	151	16	0	0	167	0.0	8.4
10	89	119	103	0	312	91	119	101	0	312	0.1	91	119	101	0	312	0.0	0.1
11	35	87	0	0	123	35	87	0	0	123	0.0	35	87	0	0	123	0.0	0.0
12	179	0	0	0	179	179	0	0	0	179	NA	179	0	0	0	179	NA	NA
13	328	10	0	0	338	328	10	0	0	338	0.0	328	10	0	0	338	0.0	0.0
14	493	121	63	0	677	493	121	63	0	677	0.0	493	121	63	0	677	0.0	0.0
15	194	108	11	0	313	194	108	11	0	313	0.0	194	108	11	0	313	0.0	0.0
16	24	71	11	2	108	37	71	0	0	108	0.6	37	71	0	0	108	0.0	0.6
17	18	61	41	6	126	32	52	41	1	126	0.6	32	52	41	1	126	0.0	0.6
18	13	108	29	2	151	75	62	15	0	151	1.1	75	62	15	0	151	0.0	1.1
19	2	46	84	4	137	99	37	1	0	137	3.5	99	37	1	0	137	0.0	3.5
20	16	137	17	12	181	35	129	17	0	181	1.3	35	129	17	0	181	0.0	1.3
21	65	107	22	0	194	67	105	22	0	194	0.0	67	105	22	0	194	0.0	0.0

22	272	30	90	0	392	272	30	90	0	392	0.0	272	30	90	0	392	0.0	0.0
23	83	117	0	0	200	83	117	0	0	200	0.0	83	117	0	0	200	0.0	0.0
24	94	101	0	0	195	94	101	0	0	195	0.0	94	101	0	0	195	0.0	0.0
25	233	3	8	0	243	233	3	8	0	243	0.0	233	3	8	0	243	0.0	0.0
26	343	36	31	0	410	343	36	31	0	410	0.0	343	36	31	0	410	0.0	0.0
27	226	20	0	0	247	226	20	0	0	247	0.0	226	20	0	0	247	0.0	0.0
28	327	4	3	0	334	327	4	3	0	334	0.0	327	4	3	0	334	0.0	0.0
29	219	0	0	0	219	219	0	0	0	219	NA	219	0	0	0	219	NA	NA
30	117	16	11	0	145	117	16	11	0	145	0.0	117	16	11	0	145	0.0	0.0
31	197	7	0	0	204	197	7	0	0	204	0.0	197	7	0	0	204	0.0	0.0
32	257	1	0	0	258	257	1	0	0	258	0.0	257	1	0	0	258	0.0	0.0
33	115	47	0	0	162	115	47	0	0	162	0.0	115	47	0	0	162	0.0	0.0
34	22	70	0	0	92	22	70	0	0	92	0.0	22	70	0	0	92	0.0	0.0
35	164	1	9	0	173	164	1	9	0	173	0.0	164	1	9	0	173	0.0	0.0
36	298	13	0	0	311	298	13	0	0	311	0.0	298	13	0	0	311	0.0	0.0
37	160	5	0	0	165	160	5	0	0	165	0.0	160	5	0	0	165	0.0	0.0
38	128	3	0	0	131	128	3	0	0	131	0.0	128	3	0	0	131	0.0	0.0
39	349	20	37	0	406	349	20	37	0	406	0.0	349	20	37	0	406	0.0	0.0
40	359	27	0	0	386	359	27	0	0	386	0.0	359	27	0	0	386	0.0	0.0
41	131	6	0	0	137	131	6	0	0	137	0.0	131	6	0	0	137	0.0	0.0
42	90	10	33	0	133	90	10	33	0	133	0.0	90	10	33	0	133	0.0	0.0
43	59	6	1	0	66	59	6	1	0	66	0.0	59	6	1	0	66	0.0	0.0
44	82	1	0	0	83	82	1	0	0	83	0.0	82	1	0	0	83	0.0	0.0
45	205	1	103	0	309	205	1	103	0	309	0.0	205	1	103	0	309	0.0	0.0
47	153	4	0	0	157	153	4	0	0	157	0.0	153	4	0	0	157	0.0	0.0
48	5592	74	0	0	5666	5592	74	0	0	5666	0.0	5592	74	0	0	5666	0.0	0.0

49	191	109	3	0	302	191	109	3	0	302	0.0	191	109	3	0	302	0.0	0.0
Non-jurisdictional	0	0	0	0	0	0	0	0	0	0	NA	0	0	0	0	0	NA	NA
Unincorporated	0	0	0	0	0	0	0	0	0	0	NA	0	0	0	0	0	NA	NA
Totals	13310	3002	1244	283	17840	14114	2764	893	69	17840	37.1	14114	2764	893	69	17840	0.0	37.1

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

As amended by R2-2019-0004, Provision 16.5.d. of Order No. R2-2015-0049 exempts Antioch and other East Contra Costa County Permittees from Provision C.11 – Mercury Controls. However, Antioch will continue to be an advocate and supporter of Countywide and Regional efforts that address the reduction of Mercury in stormwater by serving on various committees and providing comments and feedback on work products and/or policies.

Section 12 - Provision C.12 PCBs Controls

As amended by R2-2019-0004, Provision 16.5.e. of Order No. R2-2015-0049 exempts Antioch and other East Contra Costa County Permittees from Provision C.12 – PCBs Controls. However, Antioch will continue to be an advocate and supporter of Countywide and Regional efforts that address the reduction of PBCs in stormwater by serving on various committees and providing comments and feedback on work products and/or policies.

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:

During plan check, if architectural copper is discovered, applicants are discouraged from using it. There were no permitting or enforcement activities related to architectural copper this reporting year.

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:

The City educates and enforces discharges of pools, spas, and fountains relating to chemicals in general but does not specifically focus on copper-based chemicals. No specific enforcement actions for pools were conducted this reporting 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 inspection activities revealed any facilities that were identified as users or sources of copper.

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

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

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

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

Summary:

The City of Antioch continues to partner with the Contra Costa Water District by performing home water surveys to our residents. During these surveys, water conservation information, practices, and/or devices are provided. Water conservation tips are also sent in the water billing statements. The City adopted the State Water Efficiency Landscape Ordinance (WELO) per AB1881. There are currently no plans of pursuing and adopting a local ordinance.

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

- 7th Edition Stormwater C.3 Guidebook, adopted by ordinance, 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 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 promotes to consumers and the point of purchase less toxic alternatives to combating lawn and garden pests.
- Bay Friendly Landscaping and Gardening Training and Certification Program promotes to landscapers a variety of measures designed to reduce waste and prevent stormwater pollution.

Please also see sections C.3 New Development and Redevelopment; C.7. Public Information and Outreach; and C.9. Pesticide Toxicity Control of the CCCWP's FY 2020-21 Annual Report.

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 20-21 Annual Report

C.16.5.a Green Infrastructure Planning and Implementation

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.a.ii.(3) ► Green Infrastructure Plan

Did your agency complete a Green Infrastructure Plan?

<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
-------------------------------------	-----	--------------------------	----

If No, provide a schedule for completion:

C.16.5.a.ii.(4) ► Legal Mechanisms

Does your agency have legal mechanisms in place to ensure the implementation of the Green Infrastructure Plan?

<input checked="" type="checkbox"/>	Yes, see attached documentation	<input type="checkbox"/>	No
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If Yes, describe the legal mechanisms in place and the documents attached.

Antioch's GI Plan was adopted by City Council and a copy of the resolution is attached.

If No, provide a schedule for completion:

C.16.5.b ▶ Inspections for Construction Site Control on Hillslope Projects			
Did your agency complete Permit Provision C.16.5.b.ii.(2)?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/> 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?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/> No
If No, provide an explanation and estimated completion date:			
Description of the process used to identify applicable areas and their trash control status:			
<p>A map of the private drainages was emailed directly to water board staff on January 21, 2021. First, all parcels, regardless of land use type, were screened for private ownership. Then those contiguous parcels that are 10,000 sq ft and above were considered as possible areas. Those areas included both improved and unimproved parcels. A total screening area of 3,000 acres was identified as potentially connecting to our MS4. Of that total screening area, there is approximately 2,967 acres of private drainages that require further evaluation if they qualify as private drainage to our storm system. Further analysis may include aerial review, ground-truthing, and televising storm lines.</p>			

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

Please see Section C.16 of the CCCWP's FY 20-21 Annual Report.

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

While in the field, City crews implement BMPs listed in the CA BMP handbooks based on the specific task. Those appear to be sufficient in preventing sediment discharges while working. As presented in Section 5 in this report, routine catch basin and storm line cleaning also contributes in removing and reducing sediment discharges. Continued street sweeping activities also contributes reduction to sediment and discharges to the storm drain system. Beyond those BMPS already being implemented, no additional or enhanced BMPs in reducing sediment discharges have been identified.

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

Please see Section C.16 of the CCCWP's FY 2020-21 Annual Report.

ATTACHMENTS

C4 INSPECTIONS

**Clean Water Inspections
Fiscal Year 2020-21**

**Annual Report
7/1/2020-6/30/2021**

Type	Facility Name	Address	STW City	Inspector	Date	Inspection Type	Billing Type	Enforcement?
Body Shop	Maaco Auto Body	1610 W Tenth Street	Antioch	A. Mora	5/20/2021	Closed	Add-on	None
Car Wash/Det.	Pinky's Car Wash	300 E 18th Street	Antioch	A. Mora	5/27/2021	Initial	Add-on	None
Car Wash/Det.	Sinclair Gas N Food Car Wash	3720 Lone Tree Way	Antioch	J.Yun	5/20/2021	Reinspected	Add-on	None
Food Service	Canton City	212 G Street	Antioch	A. Mora	5/13/2021	Initial	Add-on	None
Food Service	China City Restaurant	2757 Lone Tree Way	Antioch	J.Yun	5/20/2021	Reinspected	Add-on	None
Food Service	Freddy B's BBQ	1803 W 10th Street	Antioch	A. Mora	5/20/2021	Initial	Add-on	None
Food Service	Issarap	740 W 2nd Street	Antioch	A. Mora	5/4/2021	Initial	Add-on	None
Food Service	Las 3 Marias	2734 W Tregallas	Antioch	J.Yun	6/21/2021	Reinspected	Add-on	None
Food Service	Rice Bowl	3436 Deer Valley Road	Antioch	A. Mora	6/1/2021	Reinspected	Add-on	None
Food Service	Rick's On Second Street	619 W 2nd Street	Antioch	A. Mora	5/13/2021	Reinspected	Add-on	None
Food Service	Southern Express	3100 Contra Loma Blvd	Antioch	A. Mora	6/8/2021	Reinspected	Targeted	None
Food Service	Sylvia's Country Kitchen	2799 Lone Tree Way	Antioch	J.Yun	5/20/2021	Reinspected	Add-on	None
Food Service	Taqueria La Sierra	901 H Street	Antioch	A. Mora	6/15/2021	Reinspected	Add-on	None
Food Service	Yummy Restaurant Group LLC	4454 Lone Tree Way	Antioch	J.Yun	5/27/2021	Closed	Add-on	None
Food Service	Yummy Restaurant Group LLC	4454 Lone Tree Way	Antioch	J.Yun	5/27/2021	Initial	Add-on	None
Grocery Store	Lucky #223	111 E Eighteenth Street	Antioch	J.Yun	6/11/2021	Closed	Add-on	None
Permitted IU	GBF Holdings, LLC	James Donlon Blvd	Antioch	J.Yun	9/9/2020	Reinspected	Add-on	None
Permitted IU	Gilroy Energy Center, LLC	795 Minaker Drive	Antioch	J.Yun	10/20/2020	Reinspected	Add-on	None
Permitted IU	Marsh Landing LLC	3201 Wilbur Ave #C	Antioch	J.Yun	10/6/2020	Reinspected	Add-on	None
Permitted IU	PG&E Gateway Generating Station	3225 Wilbur Ave	Antioch	J.Yun	9/30/2020	Reinspected	Add-on	None

Total number of Initial Inspections and Reinspections: 17
 Total number of Follow-up, Enforcement Follow-up, Surveillance, Consultation and Partial inspections: 0
 Total number of closed or moved Inspections: 3

Total number of NOVs issued: 0
 Total number of WNs issued: 0

C4 INVENTORY

Antioch CWP Inventory - July 2021

Property Name	Address	City	Program Category
360 Auto Repair	2700 Somersville Road	Antioch	Vehicle Service
7-Eleven #39488	2700 Hillcrest Ave	Antioch	Car Wash/Det.
7-Eleven / Valero Car Wash	3629 E 18th Street	Antioch	Car Wash/Det.
A & S Transmission Automotive	3261 E 18th Street	Antioch	Vehicle Service
A-1 Auto Dismantlers	2707 Pittsburg-antioch Hwy	Antioch	Vehicle Service
A-1 Transmission	2504 Devpar Court	Antioch	Vehicle Service
A-1 Tune & Repair	3281 E 18th Street	Antioch	Vehicle Service
Alandino's Pizza	1324 Sunset Drive	Antioch	Food Service
Al's Donuts	3706 Lone Tree Way	Antioch	Food Service
Antioch Auto Center (chrysler, Dodge)	1810 Autocenter Drive	Antioch	Vehicle Service
Antioch Automotive Service Center	1103 Sunset Ave	Antioch	Vehicle Service
Antioch Buffet	4250 Lone Tree Way	Antioch	Food Service
Antioch Corp Yard	1201 W Fourth Street	Antioch	Vehicle Service
Antioch Nissan	1831 Somersville Road	Antioch	Vehicle Service
Antioch Tire Center	63 E Eighteenth Street	Antioch	Vehicle Service
Antioch Valero	2101 Somersville Road	Antioch	Car Wash/Det.
Antojitos Jalisco Restaurant	3040 Delta Fair Blvd	Antioch	Food Service
Applebee's	2737 Hillcrest Ave	Antioch	Food Service
Aracely's Restaurant & Market	1903 D Street	Antioch	Food Service
Arrowhead Towing	3245 E 18th Street	Antioch	Vehicle Service
Asia Kitchen	2730 Delta Fair Blvd	Antioch	Food Service
Auto Diagnostic & Repair	810 W Tenth Street	Antioch	Vehicle Service
Auto Tune-up	1105 Autocenter Drive B	Antioch	Vehicle Service
Bay Indoor Rv And Boat Storage	1400 W Fourth Street	Antioch	Vehicle Service
Burger King #11622	3605 E 18th Street	Antioch	Food Service
Burger King #1943	2440 Mahogany Way	Antioch	Food Service
Burger King #9646	4620 Lone Tree Way	Antioch	Food Service
Canton City	212 G Street	Antioch	Food Service
Carl's Jr	4194 Lone Tree Way	Antioch	Food Service
Celia's Mexican Restaurant	523 W Tenth Street	Antioch	Food Service
Charley's Grilled Subs	2550 Sommersville Road 62	Antioch	Food Service
Chevron Food Mart #1564	4600 Lone Tree Way	Antioch	Car Wash/Det.
Chevron Food Mart #1588	3400 Hillcrest Ave	Antioch	Car Wash/Det.
Chilli's	5809 Lone Tree Way	Antioch	Food Service
China City Restaurant	2757 Lone Tree Way	Antioch	Food Service
Chop Chop Chinese Restaurant	1115 E Eighteenth Street	Antioch	Food Service
Cocina Medina	5005 Lone Tree Way #A	Antioch	Food Service
Costco #137	2201 Verne Roberts Circle	Antioch	Food Service
Country Waffles	5865 Lone Tree Way #A	Antioch	Food Service
Da Nang	4393 Hillcrest Ave	Antioch	Food Service
Dairy Queen	607 E Eighteenth Street	Antioch	Food Service
Delta Bowl (snack Bar)	3300 Delta Fair Blvd	Antioch	Food Service
Delta Car Wash	811 W Tenth Street	Antioch	Car Wash/Det.
Delta Transmission	1105 Sunset Drive	Antioch	Vehicle Service
Denny's #1059	2006 Somersville Road	Antioch	Food Service
Denny's Restaurant	4823 Lone Tree Way	Antioch	Food Service
Domino's	2333 Buchanan Road B	Antioch	Food Service
Domino's #8557	2745 Hillcrest Ave	Antioch	Food Service
Double Dragon	2621 Sommersville	Antioch	Food Service
East Bay Machine Shop	1113 W 10th Street D	Antioch	Vehicle Service
El Caporal Taqueria	4470 Lone Tree Way	Antioch	Food Service
El Pueblo #2 Panaderia Pasteleria	1024 W Tenth Street	Antioch	Food Service
Empress Garden	2303 Buchanan Road	Antioch	Food Service

Falafel Town	3712 Lone Tree Way C	Antioch	Food Service
Firestone Tire & Service	3214 Delta Fair Road	Antioch	Vehicle Service
Foster Freeze	400 E Eighteenth Street	Antioch	Food Service
Freddy B's BBQ	1803 W 10th Street	Antioch	Food Service
Fresenius Medical Care	2386 Buchanan Road	Antioch	Commercial
Gas City Food Mart	4198 Lone Tree Way	Antioch	Car Wash/Det.
GBF Holdings, LLC	James Donlon Blvd	Antioch	Permitted IU
Georgia Pacific Gypsum LLC	801 Minaker Drive	Antioch	Manufacturing
Gilroy Energy Center, LLC	795 Minaker Drive	Antioch	Permitted IU
Go Vegan	2940 Delta Fair Blvd	Antioch	Food Service
Grease Monkey	1701 Autocenter Drive	Antioch	Vehicle Service
Grocery Outlet	3160 Buchanan Road	Antioch	Grocery Store
Gumaro's Auto Repair	1705 Somersville Road	Antioch	Vehicle Service
Hazel's Drive In	1820 W 10th Street	Antioch	Food Service
HD Burger & More	1001 Autocenter Drive	Antioch	Food Service
Hertz Express Rental	2201 W Tenth Street E	Antioch	Car Rental
Hidden Dragon Restaurant	4106 Lone Tree Way	Antioch	Food Service
Hillcrest Resturant & Taphouse	2709 Hillcrest Ave	Antioch	Food Service
India 4 U	5759 Lone Tree Way #G	Antioch	Food Service
Issarap	740 W 2nd Street	Antioch	Food Service
J&S Auto Repair	1113 W 10th Street A	Antioch	Vehicle Service
Jack In The Box	2705 Hillcrest Ave	Antioch	Food Service
Jack In The Box #3491	4801 Lone Tree Way	Antioch	Food Service
Jack In The Box #500	2505 A Street	Antioch	Food Service
Jack's Car Wash	924 Fitzuren Road	Antioch	Car Wash/Det.
Johnny's Market	622 W 9th Street	Antioch	Mini-Market
Juarez Mexican Restaurant	1806 A Street	Antioch	Food Service
Kabuki Sushi	2719 Hillcrest Ave	Antioch	Food Service
Kabul Restaurant & Market	2521 San Jose Drive	Antioch	Food Service
Kaiser Foundation Hospital	4501 Sand Creek Road	Antioch	Healthcare
Kan Pai Sushi	5865 Lone Tree Way D	Antioch	Food Service
KFC #138	2751 Hillcrest Ave	Antioch	Food Service
KFC # 184	2410 Mahogany Way	Antioch	Food Service
Kie-Con Inc.	3551 Wilbur Ave	Antioch	Manufacturing
Kobe (teppanyaki Fusion & Bar)	5007 Lone Tree Way	Antioch	Food Service
L & L Hawaiian Barbecue	5035 Lone Tree Way A	Antioch	Food Service
La Bonita Market	1068 Sycamore Drive	Antioch	Grocery Store
Las 3 Marias	2734 W Tregallas	Antioch	Food Service
Las Tarascas	992 Fitzuren Road	Antioch	Food Service
Lin's Chinese Buffet	2730 Delta Fair Blvd	Antioch	Food Service
Little Caesar's Pizza	2904 Delta Fair Blvd	Antioch	Food Service
Little Caesar's Pizza	417 E Eighteenth Street	Antioch	Food Service
Little Caesar's Pizza	5819 Lone Tree Way #A	Antioch	Food Service
Little Manuels	1509 A Street	Antioch	Food Service
Little Mexico Restaurant	1803 W Tenth Street	Antioch	Food Service
Lone Tree Golf & Event Center	4800 Golf Course Road	Antioch	Food Service
Los 3 Amigos	1123 E Eighteenth Street	Antioch	Food Service
Los Delfines	1139 E Eighteenth Street	Antioch	Food Service
Lowe's	1951 Autocenter Drive	Antioch	Commercial
Lucky #212	3190 Contra Loma Blvd	Antioch	Grocery Store
Lucky Chen Restaurant	1721 Alhambra Drive	Antioch	Food Service
Lumpy's Diner	5891 Lone Tree Way #A	Antioch	Food Service
Mabuhay Oriental Cuisine & Food Mart	2335 Buchanan Road	Antioch	Food Service
Marsh Landing LLC	3201 Wilbur Ave #C	Antioch	Permitted IU
McDonald's	2424 Mahogany Way	Antioch	Food Service
McDonald's	4440 Lone Tree Way	Antioch	Food Service

McDonald's # 23782	3450 Deer Valley Road	Antioch	Food Service
Mcdonalds (in Walmart)	4893 Lone Tree Way	Antioch	Food Service
Mel's Diner	4827 Lone Tree Way	Antioch	Food Service
Mike's Auto Body	1001 Autocenter Drive	Antioch	Body Shop
Mike's Auto Body	1610 W Tenth Street	Antioch	Body Shop
Miller's Café	2733 Hillcrest Ave	Antioch	Food Service
Mimi's Café #88	5705 Lone Tree Way	Antioch	Food Service
Miraville (mexican Food)	3010 Delta Fair Blvd	Antioch	Food Service
Mountain Mike's Pizza	2509 Somersville Road	Antioch	Food Service
Mountain Mike's Pizza	3612 Lone Tree Way L	Antioch	Food Service
Mountain Mike's Pizza	5005 Lone Tree Way #L	Antioch	Food Service
Muscle Maker Grill	4621 Golf Course Road	Antioch	Food Service
New Oriental Buffet	2656 Somersville Road	Antioch	Food Service
Okawa Restaurant	2327 Buchanan Road	Antioch	Food Service
Oliver Fish House	1828 A Street	Antioch	Food Service
Pacific Oriental Market	3174 Contra Loma Blvd	Antioch	Grocery Store
Panda Express	1953 Autocenter Drive	Antioch	Food Service
Panda Express #844	5789 Lone Tree Way B	Antioch	Food Service
Peter Piper Donuts	2719 Contra Loma Blvd	Antioch	Food Service
Pete's Restaurant Brewhouse	2709 Hillcrest Ave	Antioch	Food Service
PG&E Gateway Generating Station	3225 Wilbur Ave	Antioch	Permitted IU
Pho Vietnam	3676 Delta Fair Blvd	Antioch	Food Service
Pinky's Car Wash	300 E 18th Street	Antioch	Car Wash/Det.
Pizza Amigos	2550 Somersville Road 56	Antioch	Food Service
Pizza Hut	2713 Contra Loma Blvd	Antioch	Food Service
Popeye's Chicken & Biscuits	5019 Lone Tree Way E	Antioch	Food Service
Quickly	212 E 18th Street	Antioch	Food Service
Raley's #333	3636 Lone Tree Way	Antioch	Grocery Store
Revy Rev's	2376 Buchanan Road	Antioch	Food Service
Rice Bowl	3436 Deer Valley Road	Antioch	Food Service
Rick's On Second Street	619 W 2nd Street	Antioch	Food Service
Rincon Café	3421 Deer Valley Road	Antioch	Food Service
Round Table Pizza	4504 Deer Valley Road	Antioch	Food Service
Safeway Stores #1259	3365 Deer Valley Road	Antioch	Grocery Store
Sawadee Thai Cuisine	1884 A Street	Antioch	Food Service
Shell Car Wash	2701 Hillcrest Ave	Antioch	Car Wash/Det.
Silgan Containers Corporation	2200 Wilbur Ave	Antioch	Food Service
Sinclair Gas N Food Car Wash	3720 Lone Tree Way	Antioch	Car Wash/Det.
Somersville Car Wash	3103 Delta Fair Blvd	Antioch	Car Wash/Det.
South North Dragon Restaurant	1611 A Street	Antioch	Food Service
Southern Café	400 G Street	Antioch	Food Service
Southern Express	3100 Contra Loma Blvd	Antioch	Food Service
Stella's Soul Kitchen	2715 Contra Loma Blvd	Antioch	Food Service
Sutter Bay Hospitals	3901 Lone Tree Way	Antioch	Permitted IU
Sylvia's Country Kitchen	2799 Lone Tree Way	Antioch	Food Service
Taco Bell #17224	3445 Deer Valley Road	Antioch	Food Service
Taco Bell #19954	4346 Lone Tree Way	Antioch	Food Service
Taco Bell #31531	1706 A Street	Antioch	Food Service
Tailgaters Sports Bar & Grill	4605 Golf Course Road	Antioch	Food Service
Tao San Jin	5867 Lone Tree Way #A	Antioch	Food Service
Taqueria La Sierra	901 H Street	Antioch	Food Service
Taqueria Salsa	3612 Delta Fair Blvd	Antioch	Food Service
The Habit Burger Grill	2430 Mahogany Way	Antioch	Food Service
The Habit Burger Grill	5829 Lone Tree Way	Antioch	Food Service
The Red Caboose	210 Fulton Shipyard Road	Antioch	Food Service

Tri Delta Transit	801 Wilbur Ave	Antioch	Fleet Operations
Twisty Donut	909 W 10th Street	Antioch	Food Service
USA Trucking	1900 Wilbur Ave	Antioch	Fleet Operations
Valvoline Auto Care	2749 Hillcrest Ave	Antioch	Vehicle Service
Valvoline Express Auto Care	3412 Hillcrest Ave	Antioch	Vehicle Service
Verco Decking, Inc.	607 Wilbur Ave	Antioch	Commercial
Walmart Supercenter #2697	4893 Lone Tree Way	Antioch	Grocery Store
Wendy's of Antioch	1809 A Street	Antioch	Food Service
Wong's Restaurant	3704 Lone Tree Way	Antioch	Food Service
Xtreme Burger	4045 Lone Tree Way #F	Antioch	Food Service
Yummy Restaurant Group LLC	4454 Lone Tree Way	Antioch	Food Service

C16 ADOPTED RESOLUTION FOR GI PLAN

RESOLUTION NO. 2021/73

**RESOLUTION OF THE CITY COUNCIL OF THE CITY OF ANTIOCH
APPROVING THE GREEN INFRASTRUCTURE PLAN AND AUTHORIZING THE
CITY MANAGER OR DESIGNEE TO MAKE ANY NECESSARY OR REQUIRED
MODIFICATIONS TO THE GREEN INFRASTRUCTURE PLAN**

WHEREAS, the Contra Costa Clean Water Program ("Program") is under the jurisdiction of the San Francisco Regional Water Quality Control Board ("RWQCB"), which issues permits on a five-year cycle;

WHEREAS, on October 14, 2009, a Municipal Regional Permit ("MRP") for the entire Bay Area was adopted that included many new provisions;

WHEREAS, the MRP was renewed in November 2015, and took effect on January 1, 2016;

WHEREAS, on February 13, 2019, the cities of Antioch, Brentwood, and Oakley were incorporated into the MRP after previously being under a permit and jurisdiction of the Central Valley Regional Water Quality Control Board;

WHEREAS, the MRP emphasizes Green Infrastructure ("GI") and requires Permittees to adopt a Green Infrastructure Plan ("GI Plan") as a means of improving water quality through retrofitting existing impervious surfaces with GI;

WHEREAS, on March 5, 2021, the City Manager approved the City of Antioch's Green Infrastructure Plan Framework ("Framework");

WHEREAS, per MRP requirements, the GI Plan must be adopted by each municipality's respective elected bodies;

WHEREAS, the GI Plan (attached as Exhibit "A" to the Resolution) will guide a shift from conventional "collect and convey" storm drain infrastructure to more resilient, sustainable stormwater management systems that reduce runoff volumes, disperse runoff to vegetated areas, harvest and use runoff where feasible, promote infiltration and evapotranspiration, and use natural processes to detain and treat runoff; and

WHEREAS, the GI Plan details how similar methods will be incorporated to retrofit existing storm drainage infrastructure using GI facilities constructed on public and private parcels and within the public right-of-way.

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Antioch hereby:

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approves the attached Green Infrastructure Plan and authorizes the City Manager or designee to make any non-substantive or required modifications to the Green Infrastructure Plan.

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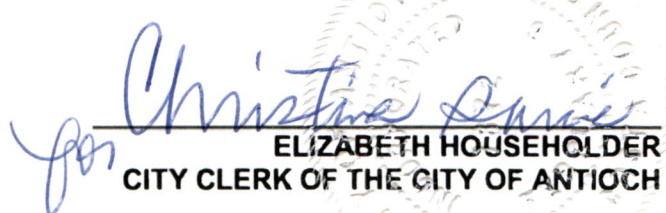
I HEREBY CERTIFY that the foregoing resolution was adopted by the City Council of the City of Antioch at a regular meeting thereof; held on the 27th day of April, 2021 by the following vote:

AYES: Council Members Torres-Walker, Barbanica, Ogorchock, Wilson and Mayor Thorpe

NOES: None

ABSTAIN: None

ABSENT: None


ELIZABETH HOUSEHOLDER
CITY CLERK OF THE CITY OF ANTIOCH

