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**CITY OF UNION CITY**

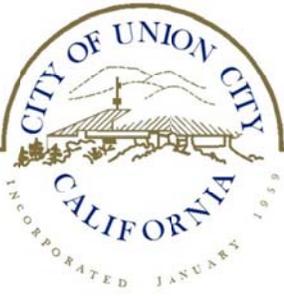
**FISCAL YEAR**

**2015-2016**

**ANNUAL REPORT OF  
STORMWATER PROGRAM  
IMPLEMENTATION**

Submitted to:  
California Regional Water Quality  
Control Board, San Francisco Bay  
Region

September 30, 2016



34009 ALVARADO-NILES ROAD  
UNION CITY, CALIFORNIA 94587  
T 510.675.5305 F 510.489.9468

September 30, 2016

Mr. Bruce Wolfe  
Executive Officer  
California Regional Water Quality Control Board  
1515 Clay Street, Suite 1400,  
Oakland, California 94612

Subject: Clean Water Program – Annual Report Fiscal Year 2015-2016  
NPDES Permit No. CAS612008

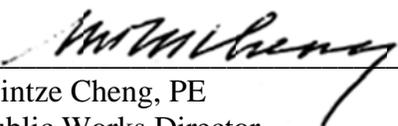
Dear Mr. Wolfe,

Attached for your review, please find a copy of the subject Annual Report for the City of Union City Clean Water Program.

I certify under penalty of law that this document and all attachments are 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 managed 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 fine and imprisonment for knowing violations.

If you have any questions or need further information regarding this submittal, please contact me at (510) 675-5306 or Thomas Ruark, City Engineer at (510) 675-5301.

Sincerely,

  
\_\_\_\_\_  
Mintze Cheng, PE  
Public Works Director

**FY 2015-2016 Annual Report**  
**Permittee Name: City of Union City**

**ATTACHMENT B**

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- C.4.b.iii – Potential Facilities List (FY 2016-2017)
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Section 1 – Permittee Information

Background Information			
<b>Permittee Name:</b>	City of Union City		
<b>Population:</b>	72528*		
<b>NPDES Permit No.:</b>	CAS612008		
<b>Order Number:</b>	R2-2015-0049		
<b>Reporting Time Period (month/year):</b>	July 2015 through June 2016		
<b>Name of the Responsible Authority:</b>	Mintze Cheng	<b>Title:</b>	Public Works Director
<b>Mailing Address:</b>	34009 Alvarado-Niles Road		
<b>City:</b>	Union City	<b>Zip Code:</b>	94587
		<b>County:</b>	Alameda
<b>Telephone Number:</b>	510-675-5305	<b>Fax Number:</b>	510-489-9468
<b>E-mail Address:</b>	<a href="mailto:mintzec@ci.union-city.ca.us">mintzec@ci.union-city.ca.us</a>		
<b>Name of the Designated Stormwater Management Program Contact (if different from above):</b>	Thomas Ruark	<b>Title:</b>	City Engineer
<b>Department:</b>	Public Works – Engineering		
<b>Mailing Address:</b>	34009 Alvarado-Niles Road		
<b>City:</b>	Union City	<b>Zip Code:</b>	94587
		<b>County:</b>	Alameda
<b>Telephone Number:</b>	510-579-5301	<b>Fax Number:</b>	510-489-9468
<b>E-mail Address:</b>	<a href="mailto:thomasr@ci.union-city.ca.us">thomasr@ci.union-city.ca.us</a>		

\*Source – US Census Bureau – 2013 estimate

**Section 2 - Provision C.2 Reporting Municipal Operations**

**Program Highlights and Evaluation**

Highlight/summarize activities for reporting year:

Summary:

The City of Union City is a member of the Alameda Countywide Clean Water program. Please see the Municipal Operations section of the Alameda Countywide Clean Water program FY15-16 Annual Report Program highlights for specific information.

After installing over 350 full trash capture devices in order to comply with the trash reduction requirements, we turned our attention toward implementing Green Street projects. The City completed the construction of C Street from 6<sup>th</sup> to 9<sup>th</sup> Street in October 2015 and recently completed our South Decoto Green Street Project (an area measuring 4 city blocks by 3 city blocks). These two projects invested over \$5 million dollars into green infrastructure. We also completed the design of our third green street project, H Street from 12<sup>th</sup> Street to Decoto Road (a \$3.75 million dollar project). The City also successfully incorporated these green street standards into a 46 residential lot subdivision by Pulte Homes which was just recently completed. In addition to these green street projects, the City has been vigilant in having full trash capture devices installed on private properties as owners either redevelop or modify their properties. Within the next two years, we hope the City will have installed approximately 200 more capture devices such that all public rights of ways within the high and medium trash generating areas will be covered.

Union City Grounds Department and many volunteers also accomplished:

- Collectively removing 7 CY of trash & debris via creek clean-ups and other events
- Planted a total of 830 various species of trees
- Spread approximately 4000 lbs of grass seed in parks
- Converted thousands of square feet of dry landscaping into drought-tolerant landscaping at locations such as the Civic Center and San Andreas Park.
- Plant native trees and use wood chips as ground cover along Tidewater park's trail
- Beautification projects with drought-tolerant plants on Union City Blvd, Dyer St, Alvarado-Niles, Decoto Rd, and Jean Dr.
- Installed approximately 8,000 LF of drip line in street medians, including Dyer St, Alvarado-Niles Rd, & Decoto Rd medians, and around the Civic Center.

**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.

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

Comments:  
 All street repair companies contracted by the City are required to protect storm drains. City inspectors and staff verify that companies are using adequate storm drain protection and pollution control methods.

**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.

<b>Y</b>	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
<b>Y</b>	Implementation of the BASMAA Mobile Surface Cleaner Program BMPs

Comments:  
 Employees who clean bus shelters are given the pamphlet, "Pollution from Surface Cleaning" from BASMAA. City supervisors direct employees to use the proper methods to prevent localized washouts from reaching storm drains when washing is warranted.

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

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

Y	Control of discharges from bridge and structural maintenance activities directly over water or into storm drains
Y	Control of discharges from graffiti removal activities
Y	Proper disposal for wastes generated from bridge and structure maintenance and graffiti removal activities
Y	Implementation of the BASMAA Mobile Surface Cleaner Program BMPs for graffiti removal
Y	Employee training on proper capture and disposal methods for wastes generated from bridge and structural maintenance and graffiti removal activities.
Y	Contract specifications requiring proper capture and disposal methods for wastes generated from bridge and structural maintenance and graffiti removal activities.

Comments:  
 The city has not contracted with any contractors to maintain bridge or structural graffiti removal activities FY15-16. Graffiti is combated with the Street Department's "Graffiti Buster" 90% of the time by using paint to cover all graffiti found on City right-of-ways and therefore does not generate any discharges for those activities. When pressure washing is required, BMPs are in place and runoff is directed away from drains.

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

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

<b>C.2.f. ► Corporation Yard BMP Implementation</b>			
Place an <b>X</b> in the boxes below that apply to your corporations yard(s):			
<input type="checkbox"/>	We do not have a corporation yard		
<input 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 <b>Stormwater Pollution Prevention Plan (SWPPP)</b> for the Corporation Yard(s)		
Place an <b>X</b> in the boxes below next to implemented SWPPP BMPs to indicate that these BMPs were implemented in applicable instances. If not applicable, type <b>NA</b> 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: <b>None</b>			
If you have a corporation yard(s) that is not an NOI facility, complete the following table for inspection results for your corporation yard(s) or attach a summary including the following information:			
Corporation Yard Name	Inspection Date (1x/year required)	Inspection Findings/Results	Follow-up Actions
Union City Maintenance Facility	1/25/2016	All inspection items in compliance	None

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

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

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

A brief summary is provided for each of the following:

▪ **(1) Municipality's legal authority to implement C.3:**

As a permittee of NPDES Permit No. CAS612008, permittees are allowed to discharge stormwater runoff. The City has the legal authorization to require developers to implement C.3 regulations necessitated by their projects. Section 15.85.050, Municipal Regional Stormwater Permit of Union City Municipal Code states: All construction related activities throughout the City, including design of New Development and Redevelopment and Construction Site controls, shall conform to requirements of the most current edition of the Regional Water Quality Control Board's (RWQCB) Municipal Regional Stormwater Permit (MRP). (Ord.776-13).

▪ **(2) Municipality's development review and permitting procedures, including use of conditions of approval or other enforceable mechanisms:**

At the development review stage, applicants are required to submit a "Stormwater Requirements Checklist" for review. This makes evident the amount of area and other amenities that will be required for the development at an early stage. Any Condition of Approval, such as implementation of LIS, C.3, BMPs and HM features applicable to the project are required to be included in the approved construction plans. Any required O&M agreements are executed between the City and developer for maintenance of treatment measures, such as any bio-treatment areas installed on the project.

▪ **(3) How water quality effects and mitigation measures are addressed in environmental reviews (e.g., CEQA):**

Environment reviews are typically prepared by consultants who are very familiar with MRP requirements. Planning and Engineering staff review such reports and provide additional input, which is incorporated in the environmental document approved for the project.

▪ **(4) C.3 training for appropriate departments (Program will report on training at the countywide level):**

Planners, engineers, hazmat staff, and inspector(s) have attended C.3 and other Clean Water related workshops and seminars in the past and continue to do so on a periodic basis as the opportunities arise.

▪ **(5) Outreach/education efforts to staff, developers, contractors, construction site operators and owner/builders:**

Outreach/educations efforts to staff consists of attending any seminars or workshops being offered. In addition, engineering staff are encouraged to get QSD/QSP certifications, which two out of the four engineers have done so far. It appears that developers are well exposed to the C.3 requirements at the design stage as their engineers update them regarding such requirements since it impacts their development directly. The contractors and construction site operators are made aware of the requirements as shown in the approved plans and are enforced by inspectors during the construction phase.

▪ **(6) How your municipality encourages site design measures at unregulated projects subject to Planning/Building Department review:**

Planning/building staff understands the need for implementing site design and source control measures and works with engineering staff and applicants to encourage that maximum number of feasible site design measures are implemented as part of any project development. The proposal measures also become evident and are commented upon at the initial stages from the "Stormwater Requirements Checklist" submitted by the applicants.

- **(7) How your municipality encourages source control measures at unregulated projects subject to Planning/Building Department review:**  
(Refer to #6)
- **(8) General Plan revisions (if needed) to integrate water quality/watershed protection with water supply, flood protection, habitat protection, groundwater recharge, and other sustainable development principles and policies:**  
No update to the City's General Plan is needed as it already integrates the factors above with any future development. For instance, integration of water quality/watershed protection are accomplished by requiring conformance with the various provisions of the MRP; flood protection is accomplished by not allowing any development in flood zones unless the development is raised high enough to be outside the flood zone; habitat protection is accomplished by requiring studies to ensure that there is no inmitigatable impact to wildlife, such as the burrowing owl study; ground water recharge is accomplished by ensuring that all projects allow maximum opportunities for stormwater infiltration by maximizing pervious areas, directing roof runoffs to vegetated areas, running stormwater in swales and directing the flows to dry wells where feasible, instead of connecting directly with the storm drain system in the public right of way. In addition, all other sustainable development principles and policies are covered in the City's General Plan by reference to Section 15.85.050 – Municipal Regional Stormwater Permit, of Union City Municipal Code noted above, which calls for complying with the requirements of the MRP.

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

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

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

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

Summary:

The City of Union City is utilizing specifications for concrete permeable pavers developed for pervious paving used at Decoto and South Decoto Green Street projects. Please see **Attachment C.3.c.ii – Spec for Concrete Permeable Pavers** for an excerpt of the design specifications.

**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 type="checkbox"/>	<b>Yes</b>	<input checked="" type="checkbox"/>	<b>No</b>
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**C.3.e.v ► Special Projects Reporting**

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

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

On an annual basis, before the wet season, provide a list of newly installed (installed within the reporting year) stormwater treatment systems and HM controls to the local mosquito and vector control agency and the Water Board. The list shall include the facility locations and a description of the stormwater treatment measures and HM controls installed.
See Table <b>C.3.h.v.(2)</b> for list of newly installed Stormwater Treatment Systems/HM Controls. To summarize, there are two (2) new locations with newly installed stormwater treatment systems/HM controls: 1) The new Autozone building, and 2) the Pulte Homes development. There is also the Windflower development, still under construction, which will become a new location in the near future.

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

Option 1 – Reporting Site Inspections (DELETED)	Number/Percentage
<b>Option 2 – Reporting Stormwater Treatment System Inspections</b>	
Total number of stormwater treatment and HM systems in your agency's database or tabular format at the end of the previous fiscal year (FY 14-15)	15
Total number of stormwater treatment systems in your agency's database or tabular format at the end of the reporting period (FY 15-16)	21
Total number of stormwater treatment and HM systems inspected in the reporting period (FY 15-16)	21
Percentage of stormwater treatment and HM systems inspected in the reporting period (FY 15-16)	100% <sup>2</sup>

<sup>2</sup>Based on the number of stormwater treatment and HM systems database or tabular format at the end of the previous fiscal year (FY 14-15), per MRP Provision C.3.h.ii.(6)(b).

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

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

Summary:

Union City continues to ensure stormwater treatment systems are inspected by city staff and cleaned when necessary. There are no recorded issues encountered with the treatment systems. Only one system was found that needed attention to be cleaned.

Notification letters are sent to all private owners to remind that annual "clean water reports" are to be sent to the city per their O&M Agreements. The new Westcore and Windflower projects are vault-based systems which are being inspected by a private third party. These inspection logs can be provided upon request.

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

Summary:

The O&M Program is working effectively for Union City. City staff is capable of performing the inspections when scheduled. In the notification letters, property owners are now being encouraged to contact city staff if they have any questions as it seems some contacts do not have a copy of their O&M Agreement. This allowed for more reports to be received in a timelier manner.

**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:

All projects, big or small, are required to submit a completed Stormwater Requirements Checklist (C.3 and C.6 Stormwater Requirements). The checklist gives the city an idea of the size of the project, the types of impervious surfaces are involved, and whether a project is a regulated project. It also identifies helps the applicant be aware of what the appropriate design measures are for their project .

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

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

Summary:

Prior to construction of Union City's Green Streets projects, the public was invited to attend outreach meetings to learn about the changes and benefits of the green infrastructure. There have been six public outreach meetings in which we introduce the project and its benefits to impacted residents. Comments are received and considered for the design. At the award stage, a presentation is made in regard to the funding sources and the benefits of the green infrastructure projects.

Union City invited Alameda County Clean Water Program staff and member agencies to attend and visit the city to view the Green Street projects under construction. Approximately 20 representatives representing various cities attended the field meeting on May 10, 2016. The meeting was successful and information regarding project details was shared with the attendees.

During the rainy season, Public Works shared a photo of the bioswales in action on Instagram. The purpose was to inform people about the newly completed Green Streets project. See **Attachment C.3.j.i.v.(d) - Instagram Post** to see the post.

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

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

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

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

Background Information:

The City evaluates the feasibility for Green Infrastructure regardless if the project is public or private. Applicants for private projects fill out the Stormwater Requirements Checklist to determine the total new impervious surface being added. The checklist guides the applicant through the stormwater requirements that need to be met and the stormwater treatment measures that need to be implemented. For public projects, the city evaluates the right-of-way available to install green infrastructure that could treat additional stormwater runoff from the newly created impervious areas.

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

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

Please refer to the Countywide Program's FY 15-16 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) ▶ Tracking and Reporting Progress**

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

Please refer to the Countywide Program's FY 15-16 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 <sup>9</sup> , Street Address	Name of Developer	Project Phase No. <sup>10</sup>	Project Type & Description <sup>11</sup>	Project Watershed <sup>12</sup>	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft <sup>2</sup> ) <sup>13</sup>	Total Replaced Impervious Surface Area (ft <sup>2</sup> ) <sup>14</sup>	Total Pre- Project Impervious Surface Area <sup>15</sup> (ft <sup>2</sup> )	Total Post- Project Impervious Surface Area <sup>16</sup> (ft <sup>2</sup> )
<b>Private Projects</b>											
The Sugarmill	30900 Union City Blvd./Bettencourt Way	City Ventures	NA	36 3-story residential condos & 6 commercial units	Alameda Creek	1.936	1.936	66071	0	0	66,071
McDonald's	27 Union Square/Decoto Road	AMS Associates	NA	Rebuild ex. McDonald's Rest.	Alameda Creek	0.878	0.878	0	28,434	30,698	28,434
Shell Station	2001 Decoto Road/Alvarado-Niles Road	A.U. Energy, LLC	NA	Rebuild ex. station & convenience store	Alameda Creek	0.71	0.71	2,764	25,103	27,222	27,867
SyWest Union Landing	Union Landing Blvd./Alvarado-Niles Road	SyWest Development	NA	Rebuild ex. public areas & landscaping	Alameda Creek	0.93	0.55	288	23,450	23,450	23,738
<b>Public Projects</b>											
South Decoto Green Street Proj	Eight (8) contiguous blocks – F to I St. and 12 <sup>th</sup> to 15 <sup>th</sup> St.	City of Union City	NA	New. Install rain gardens and pavers after removing pavement.	Old Alameda Creek	2.23	2.23	0	1.73	2.23	1.73

<sup>9</sup>Include cross streets

<sup>10</sup>If a project is being constructed in phases, indicate the phase number and use a separate row entry for each phase. If not, enter "NA".

<sup>11</sup>Project Type is the type of development (i.e., new and/or redevelopment). Example descriptions of development are: 5-story office building, residential with 160 single-family homes with five 4-story buildings to contain 200 condominiums, 100 unit 2-story shopping mall, mixed use retail and residential development (apartments), industrial warehouse.

<sup>12</sup>State the watershed(s) in which the Regulated Project is located. Downstream watershed(s) may be included, but this is optional.

<sup>13</sup>All impervious surfaces added to any area of the site that was previously existing pervious surface.

<sup>14</sup>All impervious surfaces added to any area of the site that was previously existing impervious surface.

<sup>15</sup>For redevelopment projects, state the pre-project impervious surface area.

<sup>16</sup>For redevelopment projects, state the post-project impervious surface area.

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

Project Name Project No.	Application Deemed Complete Date <sup>17</sup>	Application Final Approval Date <sup>18</sup>	Source Control Measures <sup>19</sup>	Site Design Measures <sup>20</sup>	Treatment Systems Approved <sup>21</sup>	Type of Operation & Maintenance Responsibility Mechanism <sup>22</sup>	Hydraulic Sizing Criteria <sup>23</sup>	Alternative Compliance Measures <sup>24/25</sup>	Alternative Certification <sup>26</sup>	HM Controls <sup>27/28</sup>
<b>Private Projects</b>										
The Sugarmill	6/1/2015	1/26/2016	Stencils, landscaping	Runoff to veg. areas	Bio-retention area	O&M Agmt.	1.a.	NA	NO	Site loc. In ext. east county. HM NA.
McDonald's	6/15/2015	9/8/2016	Stencils, grease intercept	Micro- detention	Bio-retention area	O&M Agmt.	3	NA	NO	< 1 acre
Shell Station	4/27/2015	6/28/2016	Stencils, diverse species	Runoff to veg. areas	Bio-retention area	O&M Agmt.	2.c.	NA	NO	<1 acre
SyWest Union Landing	1/5/2016	2/4/2016	Stencils, diverse species	Runoff to veg. areas	Bio-retention area	O&M Agmt.	2.c.	NA	NO	< 1 acre

<sup>17</sup>For private projects, state project application deemed complete date. If the project did not go through discretionary review, report the building permit issuance date.

<sup>18</sup>For private projects, state project application final discretionary approval date. If the project did not go through discretionary review, report the building permit issuance date.

<sup>19</sup>List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.

<sup>20</sup>List site design measures approved for the project. Examples include: minimize impervious surfaces; conserve natural areas, including existing trees or other vegetation, and soils; construct sidewalks, walkways, and/or patios with permeable surfaces, etc.

<sup>21</sup>List all approved stormwater treatment system(s) to be installed onsite or at a joint stormwater treatment facility (e.g., flow through planter, bioretention facility, infiltration basin, etc.).

<sup>22</sup>List the legal mechanism(s) (e.g., O&M agreement with private landowner; O&M agreement with homeowners' association; O&M by public entity, etc...) that have been or will be used to assign responsibility for the maintenance of the post-construction stormwater treatment systems.

<sup>23</sup>See Provision C.3.d.i. "Numeric Sizing Criteria for Stormwater Treatment Systems" for list of hydraulic sizing design criteria. Enter the corresponding provision number of the appropriate criterion (i.e., 1.a., 1.b., 2.a., 2.b., 2.c., or 3).

<sup>24</sup>For Alternative Compliance at an offsite location in accordance with Provision C.3.e.i.(1), on a separate page, give a discussion of the alternative compliance site including the information specified in Provision C.3.b.v.(1)(m)(i) for the offsite project.

<sup>25</sup>For Alternative Compliance by paying in-lieu fees in accordance with Provision C.3.e.i.(2), on a separate page, provide the information specified in Provision C.3.b.v.(1)(m)(ii) for the Regional Project.

<sup>26</sup>Note whether a third party was used to certify the project design complies with Provision C.3.d.

<sup>27</sup>If HM control is not required, state why not.

<sup>28</sup>If HM control is required, state control method used (e.g., method to design and size device(s) or method(s) used to meet the HM Standard, and description of device(s) or method(s) used, such as detention basin(s), 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 <sup>29</sup>	Date Construction Scheduled to Begin	Source Control Measures <sup>30</sup>	Site Design Measures <sup>31</sup>	Treatment Systems Approved <sup>32</sup>	Operation & Maintenance Responsibility Mechanism <sup>33</sup>	Hydraulic Sizing Criteria <sup>34</sup>	Alternative Compliance Measures <sup>35/36</sup>	Alternative Certification <sup>37</sup>	HM Controls <sup>38/39</sup>
<b>Public Projects</b>										
South Decoto Green Streets Project	6/22/2015	November 5, 2015	Stenciling, Efficient landscaping, Retaining existing vegetation, Drought-tolerant species	- Construct street paving areas with permeable surfaces. - Direct street flows to rain gardens and impervious areas	- Biotreatment areas (rain gardens) - Pervious pavers for street parking	O&M by city personnel	C.3.d.i.(3)	N/A	Bellecci & Associates	Bio-detention units (rain gardens)

<sup>29</sup>For public projects, enter the plans and specifications approval date.

<sup>30</sup>List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.

<sup>31</sup>List site design measures approved for the project. Examples include: minimize impervious surfaces; conserve natural areas, including existing trees or other vegetation, and soils; construct sidewalks, walkways, and/or patios with permeable surfaces, etc.

<sup>32</sup>List all approved stormwater treatment system(s) to be installed onsite or at a joint stormwater treatment facility (e.g., flow through planter, bioretention facility, infiltration basin, etc.).

<sup>33</sup>List the legal mechanism(s) (e.g., maintenance plan for O&M by public entity, etc...) that have been or will be used to assign responsibility for the maintenance of the post-construction stormwater treatment systems.

<sup>34</sup>See Provision C.3.d.i. "Numeric Sizing Criteria for Stormwater Treatment Systems" for list of hydraulic sizing design criteria. Enter the corresponding provision number of the appropriate criterion (i.e., 1.a., 1.b., 2.a., 2.b., 2.c., or 3).

<sup>35</sup>For Alternative Compliance at an offsite location in accordance with Provision C.3.e.i.(1), on a separate page, give a discussion of the alternative compliance site including the information specified in Provision C.3.b.v.(1)(m)(i) for the offsite project.

<sup>36</sup>For Alternative Compliance by paying in-lieu fees in accordance with Provision C.3.e.i.(2), on a separate page, provide the information specified in Provision C.3.b.v.(1)(m)(ii) for the Regional Project.

<sup>37</sup>Note whether a third party was used to certify the project design complies with Provision C.3.d.

<sup>38</sup>If HM control is not required, state why not.

<sup>39</sup>If HM control is required, state control method used (e.g., method to design and size device(s) or method(s) used to meet the HM Standard, and description of device(s) or method(s) used, such as detention basin(s), bioretention unit(s), regional detention basin, or in-stream control).

**C.3.h.v.(2). ► Table of Newly Installed<sup>40</sup> Stormwater Treatment Systems and Hydromodification Management (HM) Controls (Optional)**

Name of Facility	Address of Facility	Party Responsible <sup>41</sup> For Maintenance	Type of Treatment/HM Control(s)
Pulte Homes	4500 Cabello Street	Private, Pulte Home Corporation	Biotreatment basins
Autozone Auto Parts Store	34529 Alvarado-Niles Road	Private, Property Owner	Biotreatment basins

<sup>40</sup> "Newly Installed" includes those facilities for which the final installation inspection was performed during this reporting year.

<sup>41</sup> State the responsible operator for installed stormwater treatment systems and HM controls.

C.3.e.v.Special Projects Reporting Table												
Reporting Period – July 1 2015 - June 30, 2016												
Project Name & No.	Permittee	Address	Application Submittal Date <sup>42</sup>	Status <sup>43</sup>	Description <sup>44</sup>	Site Total Acreage	Gross Density DU/Acre	Density FAR	Special Project Category <sup>45</sup>	LID Treatment Reduction Credit Available <sup>46</sup>	List of LID Stormwater Treatment Systems <sup>47</sup>	List of Non-LID Stormwater Treatment Systems <sup>48</sup>
No Special Projects to report this period.												

<sup>42</sup>Date that a planning application for the Special Project was submitted.

<sup>43</sup> 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.

<sup>44</sup>Type of project (commercial, mixed-use, residential), number of floors, number of units, type of parking, and other relevant information.

<sup>45</sup> For each applicable Special Project Category, list the specific criteria applied to determine applicability. For each non-applicable Special Project Category, indicate n/a.

<sup>46</sup>For each applicable Special Project Category, state the maximum total LID Treatment Reduction Credit available. For Category C Special Projects also list the individual Location, Density, and Minimized Surface Parking Credits available.

<sup>47</sup>: 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.

<sup>48</sup>List all non-LID stormwater treatment systems proposed. For each type of non-LID treatment system, indicate: (1) the percentage of the total amount of runoff identified in Provision C.3.d. for the Special Project's drainage area, and (2) whether the treatment system either meets minimum design criteria published by a government agency or received certification issued by a government agency, and reference the applicable criteria or certification.

**Special Projects Narrative** – No Special Projects to report this period.

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

Project Name and Location <sup>43</sup>	Project Description	Status <sup>44</sup>	GI Included? <sup>45</sup>	Description of GI Measures Considered and/or Proposed or Why GI is Impracticable to Implement <sup>46</sup>
Youth/Teen Center Project – Kennedy Center	Remodel of teen center at Kennedy Center	Design phase	Yes	Bioswale planter area will be incorporated to treat surrounding runoff areas.
Union City Boulevard Right Turn Lane	Construct new right-turn lane by Delaine Eastin Elementary School	TBD	Yes	Incorporate bioswale areas in the median along the proposed right-turn lane.
TOD Residential Development (Windflower)	New residential development	Ongoing Construction	Yes	Biotreatment areas installed along perimeter.
Install Bike Lane on Union City Blvd	Install a bike lane on Union City Blvd	TBD	Yes	Construct a dedicated bike lane utilizing bioswale planter areas to protect from vehicular traffic.
Widen Whipple Road across US Pipe Frontage	Widen Whipple Road across US Pipe (business) frontage	TBD	Yes	Bioswales will be incorporated in the design.
Construct Premium Parking Lot on "Block 5"	Construct parking lot by BART	TBD	Yes	At the design stage, treatment areas will be considered to treat parking lot runoff areas.
Integrate Passenger Rail into the Intermodal Station	Construct an at-grade pedestrian pathway	TBD	Yes	Treatment areas will be considered to be incorporated in the design. GI may be impractical due to the right-of-way being in the Railroad property. Current right-of-way is impervious.

<sup>43</sup> List each public project that is going through your agency’s process for identifying projects with green infrastructure potential.

<sup>44</sup> Indicate status of project, such as: beginning design, under design (or X% design), projected completion date, completed final design date, etc.

<sup>45</sup> 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.

<sup>46</sup> Provide a summary of how each public infrastructure project with green infrastructure potential will include green infrastructure measures to the maximum extent practicable during the permit term. If review of the project indicates that implementation of green infrastructure measures is not practicable, provide the reasons why green infrastructure measures are impracticable to implement.

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

Project Name and Location <sup>47</sup>	Project Description	Planning or Implementation Status	Green Infrastructure Measures Included
Expansion of Union City Sports Center	RV lot relocation and parking lot construction to include bioswale to treat areas.	Constructed completed 8/31/16. Project not yet accepted.	A bioswale is constructed to treat the new parking lot and relocated RV lot areas.
H Street Green Streets Improvements	Green Streets on H Street	Project has been awarded and is expected to begin construction in October 2016.	Construct pervious paver street parking areas and bioswales in bulb-outs.
Decoto Green Street Phase 1	Green Streets in "Decoto" area	Completed 11/2015.	Construct pervious paver street parking areas and rain gardens in bulb-outs.
South Decoto Green Streets	Green Streets in "Decoto" area	Substantially complete 8/31/16. Project not yet accepted.	Construct pervious paver street parking areas and rain gardens in bulb-outs.

<sup>47</sup> List each planned (and expected to be funded) public and private green infrastructure project that is not also a Regulated Project as defined in Provision C.3.b.ii. Note that funding for green infrastructure components may be anticipated but is not guaranteed to be available or sufficient.

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

**Program Highlights and Evaluation**

**Highlight/summarize activities for reporting year:**

Summary:

In the 2015/2016 reporting period, we maintained a fairly robust inspection frequency, despite our small inspection staff. We inspected all of our NOI facilities during the year, and performed more than 20 first inspections at food service facilities. Our inspection numbers dropped slightly from the previous reporting year, due to the loss of one key stormwater inspector, which limited our food facility inspections. In the coming year we plan to bring onboard a temporary clean water inspector to focus on routine restaurant inspections and follow-ups; we anticipate that this will get us back on track to conduct at least the initial inspection at all our food facilities before the end of the 2017/2018 period.

Both our commercial/industrial clean water inspectors attended the annual industrial and illicit discharge inspector training sponsored by the Alameda Countywide Clean Water Program this year, at Hayward City Hall on June 9, 2016; three of our four trained Illicit discharge control inspectors participated. Our staff attended and actively participated in the contributed to all four meetings of the ACCWP Industrial and Illicit Discharge Control Subcommittee meetings held during the reporting period. An in-house training meeting with all Union City industrial/commercial and illicit discharge detection and control inspectors occurred in late June and revealed some areas of improvement that we plan to implement in the coming year, such as improved tracking of minor illicit discharges that are cleaned up by Public Works field crews and not recorded, perhaps by modifying daily work record reports to capture these incidents.

We continued to work closely with the City's Recycling Programs Coordinator and this led to identifying sites with discharges and BMP implementation problems. Having an additional set of eyes in the field has been helpful because we have a small inspection staff. The coordinator's focus on working directly with property owner's to clean-up trash enclosure areas represents good potential for improvement over time in these common areas of pollution exposure. We have been able to assist each other's programs by sharing information about field conditions, and using the threat of enforcement to encourage compliance. Our ongoing coordination with the Union Sanitary District, Alameda County Water District and the Health Department continues to improve our Clean Water inspection and enforcement capabilities, by identifying facilities with issues and in confirming follow-up actions are implemented and maintained.

This year we updated our facility lists, including the list of facilities reasonably expected to cause stormwater pollution and our list of facilities scheduled for inspection in the coming year. We added a few new businesses to the clean water program and the Potential Facilities List, primarily restaurants, and closed a few others. This year we continued the process of updating our 5-year Business Inspection Plan. Revision will be completed on schedule by December 2016. One priority goal this year will be to complete initial inspections of all food facilities. Our Enforcement Response Plan was modified to reflect the new requirements of the MRP, with ongoing revision in 2016/2017, done in coordination with EOA, Inc., the Alameda Countywide Clean Water Program, and the Industrial and Illicit Discharge Control subcommittee.

We made minor changes to our Enforcement Response Plan with more extensive revisions planned for the 2016/17 period, to ensure full compliance with changes to the MRP. The Industrial and Commercial Business Inspection Plan was modified to remove the business type categories of golf courses and plant nurseries, which we do not have in our jurisdiction, and added 'warehouse/distribution' as a discrete business type for inspection and violation tracking. We also changed the inspection frequency for food service facilities to 5 years from 1-2 years to ensure we can meet this mandate and to prioritize by pollutant threat. And we increased the inspection frequency for retail gas outlets from

2-3 years to 1-2 years as we feel these pose a higher potential for discharges and due to very high employee turnover rate at these sites and the loss of BMP knowledge that seems to result.

We made good progress in addressing issues at some of our commercial business plazas, such as the El Mercado Center located at Alvarado-Niles Road and Decoto Road, primarily due to extensive outreach by the recycling team, supported by periodic site visits by the clean water inspection staff to assess progress and provide guidance. We conducted first inspections at 29 food facility businesses.

This year, for the first time, Union City conducted clean water discharge inspections at a commercial farm and at a horse boarding facility in our jurisdiction. We plan to inspect our one or two other horse boarding businesses and farms during the 2016/2017 reporting period. No active discharge issues were identified, though Best Management Practices handouts were provided and both facilities made some changes to their practices to reduce the chance of an offsite impact. We provided and reviewed the County of San Diego Watershed Protection Program's Equine Best Management Practices Implementation Manual and non-technical program guidance materials for these inspections and the information was utilized and appreciated by the operators, for instance on proper construction of horse washing facilities.

Our City website and social media programs have undergone significant changes this past year, and clean water issues are receiving more attention. We have been working with the City's Public Information Officer to craft a library of outreach messages and we have provided clean water-related suggestions, related to water conservation and groundwater protection. The website was revised to provide a single point of contact for spill and discharge reporting. Our MS4 map was made available to the public via our Union City website, for the first time. We expect much more improvement to our discharge prevention and control outreach to get started in the coming year, as the City rolls out a totally new website and social media communications system. Clean Water commercial/industrial and illicit discharge reporting will be given higher profile and promoted through these systems, which are expected to be implemented in January 2017.

Please refer to the C.4 Industrial and Commercial Site Controls section of the Countywide Program's FY 15-16 Annual Report for a further, detailed description of activities of the countywide program of which we are contributing participants. We attended all four IIDC meetings and the inspector training session this year.

**C.4.b.iii ► Potential Facilities List**

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

Please refer to **Attachment C.4.b.iii - FY 2016/2017 Potential Facilities List**.

<b>C.4.d.iii.(1)(a) ► Facility Inspections</b>		
Fill out the following table or attach a summary of the following information. Indicate your violation reporting methodology below.		
<input checked="" type="checkbox"/>	Permittee reports multiple discrete violations on a site as one violation.	
<input type="checkbox"/>	Permittee reports the total number of discrete violations on each site.	
	<b>Number</b>	<b>Percent</b>
Number of businesses inspected	119	
Total number of inspections conducted	120	
Number of violations (excluding verbal warnings)	10	
Sites inspected in violation	10	8
Violations resolved within 10 working days or otherwise deemed resolved in a longer but still timely manner	7	70
<p>Comments:</p> <p>"Sites inspected in violation" represent the total number of facilities that were found during routine inspections to have conditions requiring abatement within 10 days/before the next rain event.</p> <p>One facility, Kadok's Restaurant at 31834 Alvarado Blvd., was inspected very soon after opening and the new business remodeling process resulted in a longer-than-expected time for clean-up. Subsequent periodic site visits showed continuous improvement, but outside storage of equipment and temporary storage of equipment in the trash enclosure delayed full compliance. The violation was confirmed to have been resolved after 31 days.</p> <p>Another restaurant, Yokohama Iekei Ramen, at 32136 Alvarado Blvd., was found to have numerous cigarette butts on the ground just outside the rear door, from staff smoking breaks. The violation was not resolved prior in a timely manner and we are working with the facility operator and plaza management to provide BMP materials in appropriate language to assist with changing employee behavior.</p> <p>A roofing supply company, Best Contracting Services at 4301 Bettencourt Way, had degraded straw wattles and filter fabric around onsite storm drain inlets representing a potential discharge. These materials were documented to have been replaced and the potential discharge eliminated; satisfactory correction was documented within 30 days of the date of the inspection and may have occurred earlier.</p>		

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

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

Type/Category of Violations Observed	Number of Violations
Actual discharge (e.g. active non-stormwater discharge or clear evidence of a recent discharge)	5
Potential discharge and other	5
Comments: Discharge streams are counted as one discharge per inspection per site. These counts of violations do not include verbal warnings.	

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

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

	Enforcement Action (as listed in ERP) <sup>48</sup>	Number of Enforcement Actions Taken	% of Enforcement Actions Taken <sup>49</sup>
Level 1	Verbal Warning/Warning Notice/Education	6	55
Level 2	Notice of Violation	3	27
Level 3	Administrative Penalty/Cost Recovery	2	18
Level 4	Legal Action/Referral to State, Federal Agency	0	0
<b>Total</b>		11	100

<sup>48</sup>Agencies to list specific enforcement actions as defined in their ERPs.

<sup>49</sup>Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.

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

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

Business Category <sup>50</sup>	Number of Actual Discharge Violations	Number of Potential/Other Discharge Violations
Auto Dismantlers	0	0
Cement and Asphalt Batch Plants	0	0
Community/Commercial Pools	0	0
Corporation Yards	0	0
Food Service Facilities	2	2
Golf Courses	0	0
Horse Boarding Facilities	0	0
Manufacturing Facilities	3	2
Plant Nurseries	0	0
Pre-Treatment Permitted Facilities	0	0
Retail Gas Outlets	0	0
Vehicle Service Facilities	0	0
Warehouse and Storage Facilities	0	1

**C.4.d.iii.(1)(d) ► Non-Fileers**

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

The following businesses were identified this year as possible non-filers:

Ajax Custom Manufacturing, 34585 7<sup>th</sup> Street, Union City  
 Best Contracting Services, 4301 Bettencourt Road, Union City  
 Cal-West Concrete Cutting, Inc., 3000 Tara Court, Union City  
 Hartung Glass, 700 Bradford Street, Union City  
 HECO Pacific Manufacturing, 1510 Pacific Street, Union City  
 JATCO, Inc., 725 Zwissig Way, Union City  
 PTR Manufacturing, Inc., 33390 Transit Avenue, Union City  
 Southland Industries, 33225 Western Avenue, Union City

Summit Plastering, Inc., 33363 Lewis Avenue, Union City  
 UMO Steel, Inc., 4700 Horner Street, Union City  
 USK Manufacturing, Inc., 720 Zwissig Way, Union City

<sup>50</sup>List your Program's standard business categories.

<b>C.4.e.iii ► Staff Training Summary</b>						
<b>Training Name</b>	<b>Training Dates</b>	<b>Topics Covered</b>	<b>No. of Industrial/ Commercial Site Inspectors in Attendance</b>	<b>Percent of Industrial/ Commercial Site Inspectors in Attendance</b>	<b>No. of IDDE Inspectors in Attendance</b>	<b>Percent of IDDE Inspectors in Attendance</b>
Alameda Co. Clean Water Program, I&IDC Subcommittee meeting	8/13/15	Discussion of pros/cons of ACCWP Access-based database; Green Business partnership planning; update on BMPS, outreach materials; planning for annual inspector training; C4, C5 annual report; MRP 2.0 tentative order; new IIDC chairperson.	1	50	1	25
Alameda Co. Clean Water Program, I&IDC Subcommittee meeting	10/8/15	ACCWP database discussion; mobile fueling; review, discussion of revised handouts – How Your Business Can Prevent Stormwater Pollution and Heavy Equipment Yard Tip Sheet; database survey; discussion of Ideas, Problems, Solutions.	1	50	1	25
Alameda Co. Clean Water Program, I&IDC Subcommittee meeting	1/21/16	Update of Program Outreach and Facility Inspection Forms; CASQA Annual Conference; MRP 2.0; Groundwater Discharges; Discussion of issues around ACCWP facility inspection database; discussion of Ideas, Problems, Solutions.	1	50	1	25
Alameda Co. Clean Water Program, I&IDC Subcommittee meeting	3/17/16	Field Scenarios and Prioritized Enforcement in ERP 2.0; Review, Discuss Field Scenario list; Discussion and Decision of Heavy Equipment Yard Poster; discussion of BMPs related to trash enclosures/dumpsters, erosion control, dry cleanup; Updating spill reporting contacts.	1	50	1	25
Annual CWP Business Inspection Workshop	6/9/16	MRP 2.0 What has changed in C.4, C.5, C.15; Assessing BMPs; Illicit Discharge Case Study – Cart Washing; Utility Vault Discharges; Drinking Water System Discharges; Panel Discussion – Communications About Discharges; Desk Top Exercises on Enforcement Scenarios	2	100	3	75
Annual Review of Clean Water Enforcement Response Plan	6/30/16	Review of Union City Clean Water Enforcement Response Plan – what's working and what's not?; handout on stucco, plaster work; materials stockpiles in ROW; pre-visits for grading, encroachment permits; discussion on documenting minor illicit discharges; mobile business outreach; ordinance changes.	2	100	4	100

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

**Program Highlights and Evaluation**

**Highlight/summarize activities for reporting year:**

Summary:

In Union City, the Public Works Department is the central point for reporting of and remediating illicit discharges, and the Environmental Programs Division of the Economic and Community Development Department supports. Most referrals from the public or city staff are called-in to the Public Works main telephone line and addressed by Public Works staff. Some referrals from outside agencies, notably from the Union Sanitary District, are received by the Environmental Programs staff. If the suspected responsible party is a commercial or industrial business, then Environmental Programs takes the lead on investigation, abatement and enforcement. If the issue involves a public right-of-way, then Public Works staff takes the lead role. After-hours calls to the Police Department that appear to involve stormwater violations are dispatched to the On-Call Public Works Duty Officer, a position rotated between several senior Public Works supervisors and staffed 24/7. Environmental Programs staff is also available 24/7 for stormwater complaints and emergency response. We receive some complaints and referrals through our main City website, Clean Water complaint reporting page, directly from state agencies such as the California Environmental Protection Agency or the Department of Toxic Substances Control (DTSC), and through our Environmental Programs general mailbox, environmental@unioncity.org.

We continue believe that a significant number of discharges found on the streets, but not entering storm drains (such as paint spills and fluids from leaking vehicles) were identified and abated by City crews without formal reporting. With increased training of field staff, we anticipate that the number of reported and abated discharges will rise in future reporting periods. We began a process late in the reporting year to potentially collect abated spill information through Public Works staff Daily Work Reports, but this process needs additional planning before implementation. We anticipate rolling out changes designed to increase effectiveness of spill reporting by the second half of the 2016/17 period.

Union City Public Works and Economic and Community Development Departments' management teams place a high priority on the Clean Water Program. The City's vacuum trucks are deployed for even very small releases, such as a case of household food dumped into storm drains. We actively utilize the door hanger we developed as members of the Industrial and Illicit Discharge Control (IIDC) subcommittee of the countywide program, for use where a responsible party cannot be identified.

We also work closely with the countywide program on outreach to mobile businesses. Most of our efforts in this area have been done through the IIDC subcommittee of the countywide program. The subcommittee continues work in this area including development of outreach materials and inspector coordination on specific businesses, effective outreach education on BMPs for these activities, and enforcement to control discharges from mobile sources. We did not inspect any mobile business or do any enforcement during this reporting period. In the 2016/17 period we will update our inventory list of mobile business through business licenses and economic development data, and implement our inspection program to address mobile source discharges. Please refer to the C.5 section of the 2016/17 Countywide report for detailed information on BMP materials, outreach, education, lists and enforcement strategies.

As we revise and update our Union City General Plan over the fiscal year 15/16 and 16/17 periods, we will be focusing more than ever on water quality program improvements that we believe will reduce and ultimately eliminate some sources of pollution. Public Works, Environmental Programs and the Planning Division have standard conditions of approval for new development projects that requires certain actions to minimize runoff of metals and salts, including prohibition of untreated copper and lead materials in gutters, downspouts and roofing.

Our City website and social media programs have undergone significant changes this past year, and clean water issues are receiving more attention. We have been working with the City's Public Information Officer to craft a library of outreach messages and we have provided clean water-related suggestions, related to water conservation and groundwater protection. The website was revised to provide a single point of contact for spill and discharge reporting. Our MS4 map was made available to the public via our Union City website, for the first time. We expect much more improvement to our discharge prevention and control outreach to get started in the coming year, as the City rolls out a totally new website and social media communications system. Clean Water commercial/industrial and illicit discharge reporting will be given higher profile and promoted through these systems, which are expected to be implemented in January 2017.

A screen shot of the spill/discharge/dumping reporting page on our main city website is attached as Appendix C.5.c.iii.

As part of the 2016/17 website revision, the Clean Water Program web page will be amended to again provide best management practices information to residents and businesses on Clean Water issues, with the links to BASMAA, CASQA, the Alameda Countywide Clean Water Program (ACCWP), Union Sanitary District and the Alameda County Water District restored. We anticipate this will occur in January 2017.

The Public Works main telephone line is the primary route for reporting by the public and outside agencies. Environmental@unioncity.org is advertised as the preferred method of reporting hazardous materials discharge and dumping issues by email, because emails to this address are received on mobile devices by multiple clean water inspectors on a 24/7 basis. Our new City website, to be released in early 2017 will highlight clean water reporting in a number of prominent areas. The current website has a single point of contact for reporting these issues (see C.4 section of this report for additional information and a screenshot of the reporting page).

Please refer to the C.5 Illicit Discharge Detection and Elimination section of the Countywide Program's FY 15/16 Annual Report for a detailed description of activities of the countywide program of which we are contributing participants. We attended and actively participated in all four IIDC meetings and the IDDE inspector training session this year.

During this reporting period we took formal enforcement action against two Union City businesses for illicit discharge violations. We issued two \$150 citations to Tri-CED Community Recycling, at 33377 Western Avenue, for causing an illicit discharge and for failure to report an illicit discharge, caused by interior cleaning of oily equipment that resulted in a discharge to the storm drain system. The condition was fully abated through extensive cleaning of the storm drain system, and improved employee training. The discharge occurred during 2014/15 reporting period and was addressed in our annual report for that year, and the enforcement occurred during the 2015/16 reporting period and is recorded in this year's report.

We also issued citations of \$150 each to Sterling Foods, a food manufacturing facility at 33300 Western Avenue, for allowing a discharge to occur. Sterling was very responsive once notified of the discharge, which they were unaware of, and which resulted from an improper plumbing connection that led to food waste being discharged to the storm drain instead of to the sanitary sewer. The company immediately ceased production upon being notified and contracted to correctly plumb the discharge pipes to the sanitary sewer. They also hired a remediation contractor, Environmental Logistics, at an ultimate cost of over \$500,000, to clean about 1.5 miles of the Union City storm drain system, from the facility to a discharge collection point just upstream of the outfall to Alameda Creek. Over 50 tons of sand and gravel contaminated with food waste was removed from a low-point in the storm drain system by the contractor. The entire line was then videotaped and confirmed to be clean

of illicit discharge residues. Both facilities paid the citations and the cases satisfactorily resolved.

One outcome of the Tri-CED and Sterling Foods incidents is that we determined that our ordinance does not allow penalties greater than the \$150 (escalating to \$600) for these illegal activities and that per our City Attorney we are prohibited from issuing even these low dollar penalties when the facility is responsive to the initial notification. It is our intention to work with the City Attorney and seek approval from the City Council to amend our ordinance to provide greater flexibility for issuing citations at increased penalty amounts. Also, our ordinance does not currently allow us to seek cost-recovery for staff time and equipment when the responsible party is fully compliant with abatement efforts; we intend to seek amendment of the municipal code to allow incidents with significant impacts to our system to be subjected to cost-recovery even when the facility or contractor is engaged in cleanup.

Please refer to the C.5 Illicit Discharge Detection and Elimination section of countywide program's FY 15-16 Annual Report for description of activities at the countywide level.

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

List below or attach your complaint and spill response phone number

(510) 675-5301

Provide your complaint and spill response web address, if used

<http://www.ci.union-city.ca.us/residents/clean-water-program/report-clean-water-issues>

Is a screen shot of your website showing the central contact point attached?

**Yes**     **No**

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

The central contact point for reporting spills, discharges, dumping and hazardous materials releases in Union City is publicized on the City's home webpage and promoted through the countywide program website and published materials. A copy of the website reporting form is included in this report as **Attachment C.5.c.iii – Online Reporting Form Screenshot**.

The code enforcement, environmental programs, public works and website/communications teams in Union City work very well together and share information and resources on complaint and discharge response. The centralized website and reporting phone number allows us to respond promptly to all emergencies and imminent Clean Water issues. We have staff that are on a 24/7 standby basis to address these issues.

Our social media outreach was significantly increased over the past year, and will continue to expand in the coming years. Our primary outreach tools are Facebook, Nextdoor and Twitter and all of these are used for clean water outreach. Our followings on these sites are growing and expected to continue to increase as we put more resources into this area. We observe that the Nextdoor site is particularly popular among our residents and so we are particularly focused on this platform.

In late 2016 we will release a completely redesigned website and a big social media push to drive traffic to the site; clean water discharge and spill reporting will be highlighted in this publicity and outreach.

**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)		
	<b>Number</b>	<b>Percentage</b>
Discharges reported (C.5.d.iii.(1))	13	
Discharges reaching storm drains and/or receiving waters (C.5.d.iii.(2))	3	23
Discharges resolved in a timely manner (C.5.d.iii.(3))	10	77
<p>Comments:</p> <p>Complaints to the City's Clean Water Program are received by several units, including Environmental Programs, the Public Works main phone line, and the Code Enforcement message system. All calls are responded to promptly by trained Clean Water program inspectors. Our newly centralized reporting system for clean water spills, dumping, and discharges went live in June 2016.</p> <p>In practice, our Clean Water Program staff is aware that field crews identify many more discharge and potential discharge cases that are prevented from reaching the storm drain system than are reported or recorded. We continue our training of City staff in the importance of recording clean-up incidents, but the crews have a tendency to correct the problem and not properly record it. For instance, spilled paint, building materials, and auto fluids in the street are promptly cleaned up but not routinely reported. We hope to be able to improve the accuracy of these and potential discharge reports in the coming year, through ongoing training, which would significantly increase the number of reported spill and discharge incidents. We hope that our centralized reporting system for both staff and the public also will start to improve reporting of these conditions. <i>(Continued on next page)</i></p>		

The data represent confirmed discharge cases, with the following explanation/exception: All observed discharges to the street or gutter are recorded as entering the storm drain system/receiving waters; and, one reported discharge, received from an anonymous complaint sent to the state's environmental complaint system, was found to be not substantiated in that no impact to the street, gutter, or storm drain system was observed.

A spreadsheet detailing recorded illicit discharge and abatement activities is included as **Attachment C.5.d.iii – 2015/16 - Stormwater Complaint Discharge Tracking Form**.

#### C.5.f.iii ► MS4 Map Availability

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

Our MS4 map was added to the public website in June 2016. A copy of the MS4 map in the publically accessible portion of our Union City website is included as **Attachment C.5.f.iii – MS4 Map Screenshot**.

<http://maps.digitalmapcentral.com/production/vcommunityview/cities/unioncity/index.aspx>

Section 6 – Provision C.6 Construction Site Controls

C.6.e.iii.(1) ► Hillside Development Criteria		
What criteria is your agency using to determine hillside development areas?	<input type="checkbox"/>	Local criteria such as maps of hillside development areas or other written criteria
	<input checked="" type="checkbox"/>	The permit definition of projects on sites with ≥ 15% slope
Attach a copy of hillside development area maps or provide your written criteria below, if applicable.		
Description: See <b>Attachment C.6.e.iii.(1) – Union City Zoning Map</b> . There is one area in Union City that has potential for a hillside development. The area, which is zoned RS6000-H which would trigger hillside development criteria, is shown highlighted in the attachment.		

C.6.e.iii.2.a, b, c ► Site/Inspection Totals		
Number of High Priority Sites (sites disturbing < 1 acre of soil requiring storm water runoff quality inspection) (C.6.e.iii.1.a)	Number of sites disturbing ≥ 1 acre of soil (C.6.e.iii.1.b)	Total number of storm water runoff quality inspections conducted (include only High Priority Site and sites disturbing 1 acre or more) (C.6.e.iii.1.c)
0	2	51
Comments: The Windflower Lofts and the Pulte Homes developments both utilized third parties to perform stormwater quality inspections and stormwater management. The reported number above includes weekly inspections.		

<b>C.6.e.iii.2.d ▶ Construction Activities Storm Water Violations</b>		
<b>BMP Category</b>	<b>Number of Violations<sup>51</sup> excluding Verbal Warnings</b>	<b>% of Total Violations<sup>52</sup></b>
Erosion Control	0	0
Run-on and Run-off Control	0	0
Sediment Control	0	0
Active Treatment Systems	0	0
Good Site Management	0	0
Non Stormwater Management	0	0
<b>Total<sup>53</sup></b>	<b>0</b>	<b>100%</b>

<sup>51</sup>Count one violation in a category for each site and inspection regardless of how many violations/problems occurred in the BMP category. For example, if during one inspection at a site, there are 2 erosion control violations, only 1 violation would be counted for this table.

<sup>52</sup>Percentage calculated as number of violations in each category divided by total number of violations in all six categories.

<sup>53</sup>The total number of violations may count more than one violation per inspection, since some inspections may result in violations in more than one category. For example, during one inspection of a site, there may have been both an erosion control violation and a sediment control violation. For this reason, the total number of violations in this table may not match the total number of enforcement actions reported in Table C6.e.iii.1.e.

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

	<b>Enforcement Action</b> (as listed in ERP) <sup>54</sup>	<b>Number Enforcement Actions Issued</b>	<b>% Enforcement Actions Issued<sup>55</sup></b>
Level 1 <sup>56</sup>	Verbal Notice/Warning	0	0
Level 2	Notice of Violation (Written)	0	0
Level 3	Formal Enforcement (Penalties, Cost Recovery)	0	0
Level 4	Legal Action/or Referral to State and Federal Agencies	0	0
<b>Total</b>			<b>100%</b>

**C.6.e.iii.2.f, g ► Illicit Discharges**

	<b>Number</b>
Number of illicit discharges, actual and those inferred through evidence at high priority sites and sites that disturb 1 acre or more of land (C.6.e.iii.1.f)	0
Number of sites with discharges, actual and those inferred through evidence at high priority sites and sites that disturb 1 acre or more of land (C.6.e.iii.1.g)	0

<sup>54</sup>Agencies should list the specific enforcement actions as defined in their ERPs.

<sup>55</sup>Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.

<sup>56</sup>For example, Enforcement Level 1 may be Verbal Warning.

<b>C.6.e.iii.2.h, i ► Violation Correction Times</b>		
	<b>Number</b>	<b>Percent</b>
<b>Violations (excluding verbal warnings) fully corrected within 10 business days after violations are discovered or otherwise considered corrected in a timely period (C.6.e.iii.1.h)</b>	0	% <sup>57</sup>
<b>Violations (excluding verbal warnings) not fully corrected within 30 days after violations are discovered (C.6.e.iii.1.i)</b>	0	% <sup>58</sup>
<b>Total number of violations (excluding verbal warnings) for the reporting year<sup>59</sup></b>	0	100%
<b>Comments:</b> No enforcement actions were issued.		

<b>C.6.e.iii.(4) ► Evaluation of Inspection Data</b>
Describe your evaluation of the tracking data and data summaries and provide information on the evaluation results (e.g., data trends, typical BMP performance issues, comparisons to previous years, etc.).
Description: The inspection logs do not show that any enforcement actions were issued. This would be partly due to the fact that 3 <sup>rd</sup> party companies were hired by the developer(s) to conduct storm water inspections. Majority of inspections consist of

<b>C.6.e.iii.(4) ► Evaluation of Inspection Program Effectiveness</b>
Description: Public Works continues to update and provide its inspectors with new forms and inspection tracking tools. Such forms are also provided via the city website to allow developers and contractors to reference this information and become familiar with the forms city project inspectors are using to observe and inspect their projects. All construction projects disturbing at least one acre of soil are inspected once a month during the rainy season.
No enforcement actions were issued by the city in FY15-16. Our inspectors keep an eye on all projects to ensure BMPs are installed correctly and maintained throughout the construction phase of all projects that could potentially have a detrimental effect on water quality. Private construction projects are allowed to have 3 <sup>rd</sup> party companies conduct storm water inspections and enforce BMPs. The city inspector(s) will still visit the project site and be in contact with the 3 <sup>rd</sup> party performing inspections. One weakness related to allowing 3 <sup>rd</sup> party companies conduct storm water inspections is the delay in receiving these reports when they are requested as they require an extra step before that information can be publicly/internally released to the city.

<sup>57</sup> Calculated as number of violations fully corrected in a timely period after the violations are discovered divided by the total number of violations for the reporting year.  
<sup>58</sup> Calculated as number of violations not fully corrected within 30 days after the violations are discovered divided by the total number of violations for the reporting year.  
<sup>59</sup> The total number of violations reported in the table of Violation Correction Times equals the number of initial enforcement actions, i.e., this assumes one violation is issued for several problems during an inspection at a site. The total number of violations in the table of Violation Correction Times may not equal the total number of enforcement actions because one violation issued at a site may have a second enforcement action for the same violation at the next inspection if it is not corrected.

<b>C.6.f ▶ Staff Training Summary</b>				
<b>Training Name</b>	<b>Training Dates</b>	<b>Topics Covered</b>	<b>No. of Inspectors in Attendance</b>	
Stormwater Business Inspectors Training Opportunity – “MRP 2.0 What does it mean for inspectors?”	June 9, 2016	New information and reinforcing inspectors' knowledge of the MRP, non-stormwater discharges, BMPs, and enforcement.	2	

**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:

Public Works saved 30 million gallons of water in 2015. With the drought, saving water is a serious concern to Union City. Common inquiries that come to staff via social media are regarding the City's response to drought. A webpage was created to inform the public of what the City was doing in response to the drought and reducing stormwater pollution. A webpage was created to address this need.

<http://www.unioncity.org/departments/public-works/buildings-and-grounds-divisions/drought-measures-taken-by-union-city>

In addition, Union City continues to advertise in the Valley Yellow Pages, on Union City Transit Buses, and the Daily Journal to promote used oil recycling and clean water awareness.

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

Local stormwater phone number(s)	510-675-5301 (general public); 510-675-5368 (construction related)
Local/Regional stormwater website(s)	www.unioncity.org/departments/public-works/clean-water-program

Outreach:

The clean water stormwater point of contact is publicized on our city website, is on stormwater awareness placards which are hung on resident doorknobs when a violation is found, and is listed on Storm Water Requirements forms.

**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
Earth Day, April 23, 2016 Washington Hospital Fremont, CA	"No Dumping, Drains to the Bay" and "How to Prevent Water Pollution". Residents, children, business owners.	Earth Day is a nationally recognized event that is celebrated nationwide from local cities to counties. It is an event that local cities and counties come together in the effort of educating, reaching and providing their residents and business owners of ways of preventing water pollution. It also provides business owners of the Best Management Practices for their business. This is an event that has always been very successful in that nearly 1000 people have always attended the event. The event has always been successful and effective due to one-on-one contact.
<b>Stormwater Exhibit at the Alameda County Fair:</b> The Fair is running from June 15 to July 4, 2016. Setting up the exhibit and producing the outreach materials are Countywide Program efforts. Staffing the exhibit is an effort conducted by individual Permittees.	The County Fair is attended by a wide range of residents from throughout the County. The primary message of the exhibit and outreach materials is to encourage residents to reduce their use of pesticides or when necessary use less-toxic pesticides. The exhibit also illustrates the basic watershed awareness/stormwater pollution message.	Several hundred thousand residents attend the fair each year. A more detailed description of the exhibit is included in Section C.7 Public Information and Outreach of the ACCWP FY 15/16 Annual Report.
Coastal Clean-up 2015 September 20, 2015 William Cann Civic Center Park	Creek clean-up. The event was sponsored by Amy Evans, Resource Conservationist from the Alameda County Resource Conservation District. There were 38 volunteers from nearby schools including some folks from the Friends of Newark Skate Park.	Students were determined to remove trash from the creek. There are also photos of students having their picture taken with signs that basically pledge not to litter. (Made possible by the Alameda Countywide Clean Water Program via Luv the Bay.)
Eagle Scout Project September 26, 2015	17 Eagle Scouts members planted trees to help filter and clean storm water before it	Participating city staff provided the message that pretreating storm water removes heavy

<p>Sea Breeze Park Local event</p>	<p>enters our storm drain pretreatment ponds at the northwest section of Sea Breeze Park.</p>	<p>metals, breaks down oils and other pollutants before reaching the bay. Approximately 47 trees were planted. The newly planted trees provide awareness to locals of the benefits of trees.</p>
<p>Make a Difference Day, Union City October 24, 2015</p> <p>MADD was held at the following locations: William Cann Civic Center Park Appian Way – Medians Mark Green Sports Center Meyers Estate</p>	<p>At William Cann Civic Center Park, Appian Way, and Mark Green Sports Center, participants were exposed to and learned about the benefits of plants &amp; wildlife and to preserve natural habitats. Children and adults of all ages were present.</p>	<p>On October 24<sup>th</sup>, 2015, Union City held its annual Make a Difference Day Events (MADD) where many Union City residents, along with a special group of volunteers planted trees and shrubs at various locations in Union City. Make a Difference Day event was well recognized event and many volunteers participate each year. It is an event where many volunteers are given the opportunity to see what difference it makes to our environment when each individual person his or her part. It is also an event where volunteers are informed about ways of preventing water and air pollution through trash pickup, recycling, and the benefits of having a green environment.</p>

**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:

Public Works is utilizing more wood chips as ground cover and reducing the use of irrigation.

- Collectively removing 7 CY of trash & debris via creek clean-ups and other events
- Planted a total of 830 various species of trees. Trees give the Union City storm water systems a helping hand by capturing water in their leafy canopy, thus slowing storm water runoff. Brochures of "Union City Tree Program" are distributed and mailed to local residents to increase tree awareness and maintenance. See **Attachment C.7.e – Union City Tree Program**.
- Approximately 4000 lbs of grass seed were spread in parks which is helpful in pre-treating storm water and absorbs water back into the water table.
- Converted thousands of square feet of dry landscaping into drought-tolerant landscaping at locations such as the Civic Center and San Andreas Park.
- Plant native trees and use wood chips as ground cover along Tidewater park's trail
- Beautification projects with drought-tolerant plants on Union City Blvd, Dyer St, Alvarado-Niles, Decoto Rd, and Jean Dr.
- Installed approximately 8,000 LF of drip line in street medians, including Dyer St, Alvarado-Niles Rd, & Decoto Rd medians, and around the Civic Center.

**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
Make a Difference Day Cesar Chavez Middle and Alvarado Middle Schools	On Make a Difference Day, besides the team building activities, mulch and planter boxes projects were held. Students from Cesar Chavez and	70 volunteers consisting of children and adults and 4 staff.	Free Make a Difference Day T-shirts were made available to volunteers, which were well received. Clubs such as Lions Club, Union City Kids Zone, and more participated.

	Alvarado Middle schools were invited to participate. 52 California Native Trees and 60 Betula Utilis Jacquemonti were planted.		Volunteers learned that city beautification projects make a difference in clean water and in protecting wildlife.
Clean Water Bus Ads	Clean Water Bus ads are placed in Union City Transit buses to remind students that littering leads to creeks and bays.	High school students riding Union City Transit	We are unable to quantify the effectiveness of this outreach medium. However, ads appear to be respected and not vandalized.

Section 9 – Provision C.9 Pesticides Toxicity Controls

C.9.a. ► Implement IPM Policy or Ordinance							
Is your municipality implementing its IPM Policy/Ordinance and Standard Operating Procedures?				<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
Report implementation of IPM BMPs by showing trends in quantities and types of pesticides used, and suggest reasons for increases in use of pesticides that threaten water quality, specifically organophosphates, pyrethroids, carbaryl, and fipronil. A separate report can be attached as evidence of your implementation. <b>Union City does not utilize organophosphates, pyrethroids, carbaryl, or fipronil.</b> City staff utilized the following applicants FY 2015-16 and discontinued use of other pesticides.							
Trends in Quantities and Types of Pesticides Used <sup>60</sup>							
Pesticide Category and Specific Pesticide Used	Amount <sup>61</sup>						
	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21	
Evade 4 FL	1672 oz						
First Choice Sluggo	50 lb						
Roundup Pro Max	281.25 ga						
Safari 20 SG Insecticide	36 oz						
Indoxacarb	Reporting not required in FY 15-16						
Diuron	Reporting not required in FY 15-16						
Diamides	Reporting not required in FY 15-16						
IPM Tactics and Strategies used: City staff groundskeepers are using more wood chips instead of Roundup to control weeds and are planting and using wildflowers on previously blanket spray areas which also previously used Roundup. This strategy considerably cut down the use of Round Up weed control product.							

<sup>60</sup>Includes all municipal structural and landscape pesticide usage by employees and contractors.

<sup>61</sup>Weight or volume of the product or preferably its active ingredient, using same units for the product each year. Please specify units used. The active ingredients in any pesticide are listed on the label. The list of active ingredients that need to be reported in the pyrethroids class includes: metofluthrin, bifenthrin, cyfluthrin, beta-cyfluthrin, cypermethrin, deltamethrin, esfenvalerate, lambdacyhalothrin, and permethrin.

C.9.b ▶ Train Municipal Employees	
Enter the number of employees that applied or used pesticides (including herbicides) within the scope of their duties this reporting year.	10
Enter the number of these employees who received training on your IPM policy and IPM standard operating procedures within this reporting year.	10
Enter the percentage of municipal employees who apply pesticides who have received training in the IPM policy and IPM standard operating procedures within this reporting year.	100
Type of Training: <b>IPM training, Update on Department of Pesticide Regulations, Clean Water Practices, Trapping &amp; Pests, etc. Training events were held in San Jose, San Mateo, and Newark.</b>	

C.9.c ▶ Require Contractors to Implement IPM			
Did your municipality contract with any pesticide service provider in the reporting year?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/> No

C.9.d ▶ Interface with County Agricultural Commissioners			
Did your municipality communicate with the County Agricultural Commissioner to: (a) get input and assistance on urban pest management practices and use of pesticides or (b) inform them of water quality issues related to pesticides,	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/> No
Yes, Patricia Hunt, Agricultural & Standards Investigator for Alameda County and the city talked about releasing nursery stock to ensure there are no invasive pests on the destructive pest list. There were no instances of informing the County Agricultural Commissioner of water quality issues related to pesticides which is why "No" is selected.			
Did your municipality report any observed or citizen-reported violations of pesticide regulations (e.g., illegal handling and applications of pesticides) associated with stormwater management, particularly the California Department of Pesticide Regulation (DPR) surface water protection regulations for outdoor, nonagricultural use of pyrethroid pesticides by any person performing pest control for hire.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/> No

C.9.e.ii (1) ▶ Public Outreach: Point of Purchase	
Provide a summary of public outreach at point of purchase, and any measurable awareness and behavior changes resulting from outreach (here or in a separate report); <b>OR</b> reference a report of a regional effort for public outreach in which your agency participates.	
See the C.9 Pesticides Toxicity Control section of Countywide Program's FY 15-16 Annual Report for information on point of purchase public outreach conducted countywide and regionally. Union City does not make pesticide products available for purchase from the city.	

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

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

Summary:

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

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

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

Summary:

See the C.9 Pesticides Toxicity Control section of Program's FY 15-16 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. Union City continues to use Willow Park, our Bay-Friendly park, as a prime example of ways for landscapers to protect water quality and reduce water usage. This park is referenced in past reports.

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

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

Summary:

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

Section 10 - Provision C.10 Trash Load Reduction

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

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

<b>Trash Load Reductions</b>	
Percent Trash Reduction in All Trash Management Areas (TMAs) due to <b>Trash Full Capture Systems</b> (as reported C.10.b.i)	57%
Percent Trash Reduction in all TMAs due to <b>Control Measures Other than Trash Full Capture Systems</b> (as reported in C.10.b.ii)	13%
Percent Trash Reduction due to <b>Jurisdictional-wide Source Control Actions</b> (as reported in C.10.b.iv)	8%
<b>SubTotal for Above Actions</b>	<b>78%</b>
<b>Trash Offsets (Optional)</b>	
Offset Associated with Additional Creek and Shoreline Cleanups (as reported in C.10.e.i)	2.68 %
Offset Associated with Direct Trash Discharges (as reported in C.10.e.ii)	-
<b>Total Estimated % Trash Load Reduction in FY 15-16</b>	<b>80.68%</b>

**Discussion of Trash Load Reduction Estimate:**  
 57% of the trash load reduction was made possible by the areas covered by TCDs. 13% of trash load reduction is being accounted for via on-land assessments conducted in areas which were not covered by TCDs. In these areas, at least 10% of curb length were assessed per trash assessment ID. These assessments were made in June 2016. (Documentation of on-land assessments are available and can be provided upon request.)

Effective January 1, 2017, Union City will no longer allow the use of polystyrene food wares, which accounts for 4% of the Jurisdictional-wide Source Control Actions. (The other 4% is accounted for from the plastic bag ban which was effective since 2013.) An additional offset of 2.68% is being credited for creek and shoreline cleanups. In reality, this number would exceed a 10% trash load reduction due to a one-time clean-up of a homeless shelter along the creek by Arroyo Park in October 24-26, 2015, however that trash load reduction is not being added to the estimated trash load reduction for FY15-16 as a clean-up of that scale would not be on-going to support trash load reductions quotas.

<b>C.10.a.iii ► Mandatory Trash Full Capture Systems</b>		
Provide the following:		
1) Total number and types of full capture systems (publicly and privately-owned) installed prior to FY 15-16, during FY 15-16, and to-date, including inlet-based and large flow-through or end-of-pipe systems, and qualifying low impact development (LID) required by permit provision C.3.		
2) Total land area (acres) treated by full capture systems for population-based Permittees and total number of systems for non-population based Permittees compared to the total required by the permit.		
<b>Type of System</b>	<b># of Systems</b>	<b>Areas Treated (Acres)</b>
<b>Installed Prior to FY 15-16</b>		
<b>Connector Pipe Screens</b>	347	1360
<b>HDS</b>	12	144
<b>LID Facilities</b>	7	14
<b>Installed in FY 15-16</b>		
<b>Connector Pipe Screens</b>	3	45
<b>HDS</b>	0	0
<b>LID Facilities</b>	0	0
<b>Total for all Systems Installed To-date</b>	<b>369</b>	<b>1563</b>
<b>Treatment Acreage Required by Permit (Population-based Permittees)</b>		

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

Provide the following:

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

TMA	Jurisdiction-wide Reduction (%)	Total # of Full Capture Systems	% of Systems Exhibiting Plugged/Blinded Screens or >50% full	Summary of Maintenance Issues and Corrective Actions
1	11%	350	60%	No maintenance issues regarding cleaning the catch basins.  While not a cleaning maintenance issue, there will occasionally be a TCD found where one side has come loose. Streets personnel will repair these by re-bolting the TCD.  As expected, majority of the TCDs that are found to be over 50% full at the time of servicing are in commercial areas and areas that have few catch basins that cover large drainage areas.
2	0%			
3	5%			
4	1%			
5	4%			
6	0%			
7	11%			
8	21%			
9	0%			
10	1%			
11	3%			
12	--			
13	0%			
14	0%			
15	1%			
<b>Total</b>	<b>58%</b>			

*Note:* TMA 12 (schools) has been categorized as a non-jurisdictional area.

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

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

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

TMA	Summary of Trash Control Actions Other than Full Capture Systems
1	No new actions. All city-owned catch basins in this TMA have TCDs installed. City is working with private property owners to install bioswales or TCDs on-site. Additional street sweeping on an as-needed basis is coordinated by the Streets Division.
2	No new actions. City is working with private property owners to install bioswales or TCDs on-site.
3	Visual assessment(s).
4	No new actions.
5	No new actions.
6	Visual assessment(s).
7	No new actions.
8	No new actions.
9	Visual assessment(s).
10	No new actions.
11	A streets furlough worker program was instated and these workers, led by a Streets Division employee, visit various areas including parks to perform tasks, which include additional trash pick-up throughout the city.
12	No new actions. (Schools.) While no longer a jurisdictional area, the city will continue to install TCDs around schools areas as deemed necessary.
13	Visual assessment(s). The city pays more attention than before to the inspection and enforcement of uncovered loads when projects or staging areas take place in the city.
14	Visual assessment(s).
15	Not applicable. (These are green TMA areas.)

\*\* See Attachment C.10.b.ii – Union City Full Trash Capture and Trash Management Area Map for TMA locations/areas.

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

Provide the following:

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

TMA ID <i>or (as applicable)</i> Control Measure Area	Total Street Miles or Acres Available for Assessment	Summary of On-land Visual Assessments			Jurisdictional-wide Reduction (%)
		Street Miles or Acres Assessed	% of Applicable Street Miles or Acres Assessed	Avg # of Assessments Conducted at Each Site	
1	0	0	0%	0	0%
2	0	0	0%	0	0%
3	1.15	0.15	13%	1	1%
4	0.68	0.08	12%	1	0.6%
5	0.28	0.03	15%	1	0.5%
6	4.77	0.48	10%	2	1.3%
7	3.41	0.68	20%	8	0%
8	0	0	0%	0	0%
9	7.35	1.09	15%	4	8.5%
10	7.58	0.89	12%	6	0.6%
11	1.50	0.25	17%	1	0%
12	--	--	--	--	--
13	0.44	0.07	16%	1	0.5%
14	0.19	0.19	100%	2	0.3%
15	0	0	0%	0	0%
<b>Total</b>		<b>3.91</b>		<b>27</b>	<b>13%</b>

<b>C.10.b.iv ► Trash Reduction – Source Controls</b>					
Provide a description of each jurisdictional-wide trash source control action implemented to-date. For each control action, identify the trash reduction evaluation method(s) used to demonstrate on-going reductions, summarize the results of the evaluation(s), and provide the associated reduction of trash within your jurisdictional area. Also include the total % reduction credit for all source controls up to the maximum 10% allowed by MRP 2.0.					
<b>Source Control Action</b>	<b>Summary Description &amp; Dominant Trash Sources and Types Targeted</b>	<b>Evaluation/Enforcement Method(s)</b>	<b>Summary of Evaluation/Enforcement Results To-date</b>	<b>% Reduction</b>	<b>Total Reduction Credit (%)</b>
Single-use Plastic Bag Ordinance or Policy	The Alameda County Waste Management Authority adopted the Single-Use Bag Ban. As of January 1, 2013, all grocery stores, supermarkets, mini-marts, convenience stores, liquor stores, pharmacies, drug stores or other entities that sell milk, bread, soda and snack foods (all four items) and/or alcohol (Type 20 or 21 license) in Alameda County must comply with the Single-Use Bag Ban Ordinance. Affected stores may no longer provide customers with single-use bags at check-out. A copy of the Ordinance is available on the Alameda County Waste Management Authority's website: <a href="http://reusablebagsac.org/ordinancetext.html">http://reusablebagsac.org/ordinancetext.html</a>	See Section C.10 of the ACCWP FY 15-16 Annual Report.	See Section C.10 of the ACCWP FY 15-16 Annual Report.	4	8
Expanded Polystyrene Food Service Ware Ordinance or Policy	On June 14, 2016, the City proposed to city council to adopt an ordinance in the Union City Municipal Code to restrict the use of expanded polystyrene food ware products. City council approved of the ban and the chapter will be operative on January 1, 2017.	See Section C.10 of the ACCWP FY 15-16 Annual Report	See Section C.10 of the ACCWP FY 15-16 Annual Report	4	

**C.10.c ► Trash Hot Spot Cleanups**

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

Trash Hot Spot	New Site in FY 15-16 (Y/N)	FY 15-16 Cleanup Date(s)	Volume of Trash Removed (cubic yards)				
			FY 2011-12	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16
Alvarado-Niles Rd / Dyer St	N	1x/week	~2 CY 2x/yr	~1 CY 2x/yr	~1 CY each time	~1 CY each time	~1 CY each time
Hall Ranch Park / Dyer St	N	1x/week	~2 CY each time	~1 CY each time	~1 CY each time	~1 CY each time	~1 CY each time
Union Landing Shopping CTR	N	1x/week	~2 CY each time	~1 CY each time	~1 CY each time	~1 CY each time	~1 CY each time
Union Square Ave	N	1x/week	~2 CY each time	~1 CY each time	~1 CY each time	~1 CY each time	~1 CY each time
Alvarado-Niles Rd / Decoto St	N	1x/week	~2 CY each time	~1 CY each time	~1 CY each time	~1 CY each time	~1 CY each time
Dyer St / Alvarado Blvd	N	1x/week	N/A	~1 CY each time			

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

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

Description of Significant Revision	Associated TMA
<u>No Changes to Long Term Trash Load Reduction Plan</u>	

<b>C.10.e. ► Trash Reduction Offsets (Optional)</b>			
Provide a summary description of each offset program implemented, the volume of trash removed, and the offset claimed in FY 15-16. Also, for additional creek and shoreline cleanups, describe the number and frequency of cleanups conducted, and the locations and cleanup dates. For direct discharge control programs approved by the Water Board Executive Officer, also describe the results of the assessments conducted in receiving waters to demonstrate the effectiveness of the control program. Include an Appendix that provides the calculations and data used to determine the trash reduction offset.			
<b>Offset Program</b>	<b>Summary Description of Actions and Assessment Results</b>	<b>Volume of Trash (CY) Removed/Controlled in FY 15-16</b>	<b>Offset (Jurisdiction-wide Reduction %)</b>
<b>Additional Creek and Shoreline Cleanups (Max 10% Offset)</b>	7 CY of total trash was removed from creek, volunteer, and shoreline cleanups in FY15-16. An offset of 2.68% was granted via the "Reduction Calculator for "Additional Receiving Water (creek/shoreline) Cleanups". **In addition, a homeless encampment at the creek by Arroyo Park, bordering Fremont, was cleaned in October 26 to 30, 2015. Approximately 80 CY of trash and debris was removed from the creek, however, this reduction is not being credited towards this annual report.	7	2.68%**
<b>Direct Trash Discharge Controls (Max 15% Offset)</b>			

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

TMA	2009 Baseline Trash Generation (Acres)					Trash Generation (Acres) in FY 15-16 After Accounting for Full Capture Systems					Jurisdiction-wide Reduction via Full Capture Systems (%)	Trash Generation (Acres) in FY 15-16 After Accounting for Full Capture Systems and Other Control Measures					Jurisdiction-wide Reduction via Other Control Measures (%)	Jurisdiction-wide Reduction via Full Capture AND Other Control Measures (%)
	L	M	H	VH	Total	L	M	H	VH	Total		L	M	H	VH	Total		
1	1	6	113	0	120	1	1	48	0	50	11%	1	1	48	0	50	0%	11%
2	0	3	17	0	20	0	3	16	0	19	0%	0	3	16	0	19	0%	0%
3	29	7	48	0	85	19	4	18	0	41	5%	19	12	10	0	42	1%	6%
4	0	10	28	0	39	0	9	23	0	33	1%	0	14	18	0	33	0.6%	1.6%
5	130	115	1	0	246	82	30	0	0	112	4%	93	19	0	0	112	0.5%	4.5%
6	0	48	2	0	49	0	48	2	0	49	0%	26	24	2	0	49	1.3%	1.3%
7	64	234	3	0	301	0	0	0	0	0	11%	0	0	0	0	0	0%	11%
8	158	488	1	0	647	0	0	0	0	0	21%	0	0	0	0	0	0%	21%
9	14	313	0	0	327	14	313	0	0	327	0%	212	115	0	0	327	8.5%	8.5%
10	0	70	0	0	70	0	52	0	0	52	1%	15	37	0	0	52	0.6%	1.6%
11	4	138	0	0	142	4	76	0	0	80	3%	4	76	0	0	80	0%	3%
12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13	1	20	0	0	21	1	20	0	0	21	0%	12	9	0	0	21	0.5%	0.5%
14	0	13	2	0	15	0	13	1	0	14	0%	4	11	0	0	14	0.3%	0.3%
15	9,833	12	1	0	9,846	9,724	0	0	0	9,724	1%	9,724	0	0	0	9,724	0%	1%
Totals	10,234	1,478	216	0	11,928	9,845	570	108	0	10,523	58%	9,969	455	99	0	10,523	13%	71%

Section 11 - Provision C.11 Mercury Controls

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

Summary:

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

The City's green streets projects target PCBs as well as Mercury found throughout urban environment. Green infrastructure uses natural systems to capture, treat, and infiltrate stormwater to reduce the exposure of mercury to the bay.

Section 12 - Provision C.12 PCBs Controls

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

Summary:

Union City participates in the Alameda Countywide Clean Water Program; please see the countywide report. In addition, existing caulking in curb and gutter was tested in our H Street Green Street project and found the PCB levels in the caulk to be insignificant.

Section 13 - Provision C.13 Copper Controls

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

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

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

Summary:  
 Yes, Union City has adequate authority to prohibit architectural copper-based discharges. Union City prohibits through zoning and building permit Conditions of Approval any discharge to the storm drain of water used in the installation, cleaning, treating and washing of architectural copper.

Our policies and handouts require that the following BMP's must be implemented if architectural copper is used in a project:

- If possible, purchase copper materials that have been pre-patinated at the factory.
- If patination is done on-site, implement one or more of the following:
  - o Collect the rinse water in a tank and haul off site for proper disposal
  - o Collect rinse water in a tank and pump to the sanitary sewer. Contact USD before discharging into the sanitary sewer.
- Consider coating the copper materials with a clear coating that prevents further corrosion and runoff.

During maintenance the following BMP's must be followed:

- Minimize washing of the architectural copper as it destroys the patina and any protective coating
- Block storm drains to inlets as needed to prevent runoff from entering storm drains
- Discharge the wash water to landscaping or sanitary sewer (with permission from USD). If this is not an option haul the wash water off site for proper disposal.
- During re-patination collect the wastewater for off-site disposal or discharge to the sanitary sewer (with permission from USD).

City staff in Building, Planning, Environmental and Engineering divisions has been trained to provide the information paper prepared by the Clean Water Program to anyone who is planning on using any architectural copper on their project. If anyone violates this policy the City will act to end and contain any discharge, and follow the procedures outlined in the City's Clean Water Enforcement Response Plan. All development and building permit applications are reviewed by planning, building, environmental and engineering staff and runoff issues identified in preliminary submittals, through review by the City's Development Review Committee that meets weekly. Building permit counter staff have been trained on architectural copper awareness and provide BMP materials as well as forwarding customers to Environmental Programs staff for additional education on the copper discharge prohibition, when identified.

We also maintain an effective working relationship with the Union Sanitary District (USD) inspectors and share information on possible copper discharges to the storm sewer and sanitary sewer systems.

*(FY 15-16 Annual Report and each Annual Report thereafter)* Provide summaries of permitting and enforcement activities to manage waste generated from cleaning and treating of copper architectural features, including copper roofs, during construction and post-construction.

Summary:

No permits were issued for architectural copper installation, washing, refurbishing or cleaning during the reporting period. No such activities came to our attention and no enforcement actions were taken.

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

*(For FY 15-16 Annual Report only)* Do you have adequate legal authority to prohibit the discharge to storm drains of water containing copper-based chemicals from pools, spas, and fountains?

X	Yes	No
---	-----	----

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

Summary:

Yes, Union City has adequate authority to prohibit the discharge to storm drains of water containing copper-based chemicals from pools, spas, and fountains. We encourage residents to report such discharges and provide BMP information to responsible parties and neighbors. We utilize the BMP handout developed by the countywide program, of which we are active participants on a number of subcommittees, entitled "Proper Disposal of Wastewater – Don't Drain Pools, Spas and Fountains to Storm Drains." We also use door hangers entitled "Make Sure Your Swimming Pool, Spa or Fountain Is Maintained Right!" at identified dischargers and at neighboring residences to alert the community that these discharges are illegal and harmful. As we ramp-up our social media outreach, and completely redesign our City website, this issue will be highlighted in targeted messages and highlighted on the main web page, beginning in January 2017.

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

Summary:

One swimming pool discharge was identified during the reporting period and Best Management Practices handouts provided to the resident. Outreach to the Responsible Party was ongoing after the end of the 2105/16 reporting period. There was no observable evidence of the release and no identified witnesses from the anonymous complaint, so formal enforcement is not anticipated in this case.

**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:

We conducted approximately 130 inspections of commercial and industrial facilities during this reporting period and did not identify any discharges or potential discharges of copper. We believe the impact of copper runoff from our community is minimal and this year's C.4. inspections continue to support this supposition. One facility, GCM Medical and OEM Division, Inc., located at 1350 Atlantic Street, uses copper in the manufacturing process but due to threat of theft, no materials are stored outside or otherwise exposed to potential runoff.

**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:

Union City promotes drought tolerant and native vegetation by setting an example of using wildflowers, native plants, and drought tolerant vegetation to give new life to areas that are dry and lacking vegetation. Water conservation is promoted by using wood chips as ground cover at more areas and installing additional linear footage of drip line irrigation. In addition, the city website lets residents and visitors know of the city's water conservation efforts. Also, at certain lawns and medians, signs are posted on barricades to let passers-by know that the city is intentionally not watering those areas to save water.

*END REPORT. ATTACHMENTS FOLLOW.*

## **ATTACHMENT**

### **C.3.c.ii Spec for Concrete Permeable Pavers**

Standard Specifications and these Special Provisions, and as directed by the Engineer, and no additional payment will be allowed therefor.

### 12.33 **Concrete Permeable Pavers**

Concrete permeable pavers shall be "HYDRO-FLO Holland" (or approved equal). The concrete paver shall be pervious and shall be 60mm thick for non-traffic areas and 80mm thick for traffic areas. Concrete paver installation shall be per the manufacturer's recommendations.

Pavers shall be 8"x4"x3-1/8" in traffic areas and 8"x4"x2-3/8" in non-traffic areas and meet the requirements of ASTM C936-08: Exposed face area of  $\leq 101 \text{ in}^2$  (0.065 m<sup>2</sup>), average compressive strength not less than 8000psi (55MPa) with no individual unit less than 7200 psi (50 MPa). Dimensional tolerance: Measured length or width shall not differ by more than  $\pm 0.063$ " [ $1/16$ "] ( $\pm 1.6$ mm) from specified dimensions. Measured height shall not differ by more than  $\pm 0.125$ " [ $1/8$ "] ( $\pm 3.2$ mm) from the specified dimensions.

The Contractor shall set the pavers such that the top surface of the pavers after compaction is  $1/4$ " (7 mm) above the final elevation of the gutter lip and the concrete border band. This difference in initial and final elevations is to compensate for possible minor settling.

The angle of the batter on the concrete gutter lip varies and may interfere with the flush placement of the pavers against the gutter lip. The Contractor shall cut and or trim the pavers as necessary to achieve a flush placement of the paver against the gutter lip. Full compensation for cutting and or trimming the concrete pavers, shall be considered as included in the contract prices paid for various items of pay and no additional compensation will be allowed therefor.

Concrete paver installation shall be per the manufacturer's recommendations as follows:

- A. Spread the leveling course aggregate evenly over the compacted, dense-graded base course and screed uniformly to  $2'' \pm$  inch thickness. The screeded aggregate should not be disturbed. Place sufficient aggregate to stay ahead of the laid pavers.
- B. Ensure that pavers are free from foreign materials before installation.
- C. Lay the pavers in the pattern(s) as shown on the drawings. Maintain straight pattern lines.
- D. Joints between the pavers shall be between  $1/16$  in. and  $1/8$  in. (2 to 4 mm) wide.
- E. Fill gaps at the edges of the paved area with cut pavers or edge units.

- F. Cut pavers to be placed along the edge with a double-bladed splitter or masonry saw.
- G. Compact and seat the pavers into the screeded aggregate using a low amplitude, 75-90 Hz plate compactor capable of at least 5,000 lbs. (22 kN) centrifugal compaction force. Note: A rubber or neoprene pad between the compactor and grids is necessary to prevent cracking or chipping on textured surfaces.
- H. Vibrate and compact the pavers again, sweeping a small fraction of the No 8 aggregate into the joints and openings until it is within ½ in. (13 mm) from the top surface. This will require at least two or three passes with the compactor. Do not compact within 3-ft (1 m) of the unrestrained edges of the paving units.

The contract price paid per square feet for Permeable Pavers (Road or Step) shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in furnishing, delivering, and placing concrete permeable pavers, complete in place as shown on the plans, as specified in the Standard Specifications and these Special Provisions, and as directed by the Engineer and no additional compensation will be allowed therefor.

#### 12.34 **Permeable Material**

Permeable material shall conform to the provisions of Section 68-2.02F, "Permeable Material," of the Standard Specifications and these Special Provisions. Permeable material must be angular crushed stone and must be free from organic material, clay balls, or other deleterious substances. All stone materials shall be washed with less than 1% passing the No. 200 sieve.

The Class 1 permeable material shall conform to the provisions of Section 68-2.02F(2), "Class 1 Permeable Material," of the Standard Specifications and these Special Provisions. The permeable material shall conform to the grading requirements for Class 1, Type B permeable material and must consist of washed angular crushed stone.

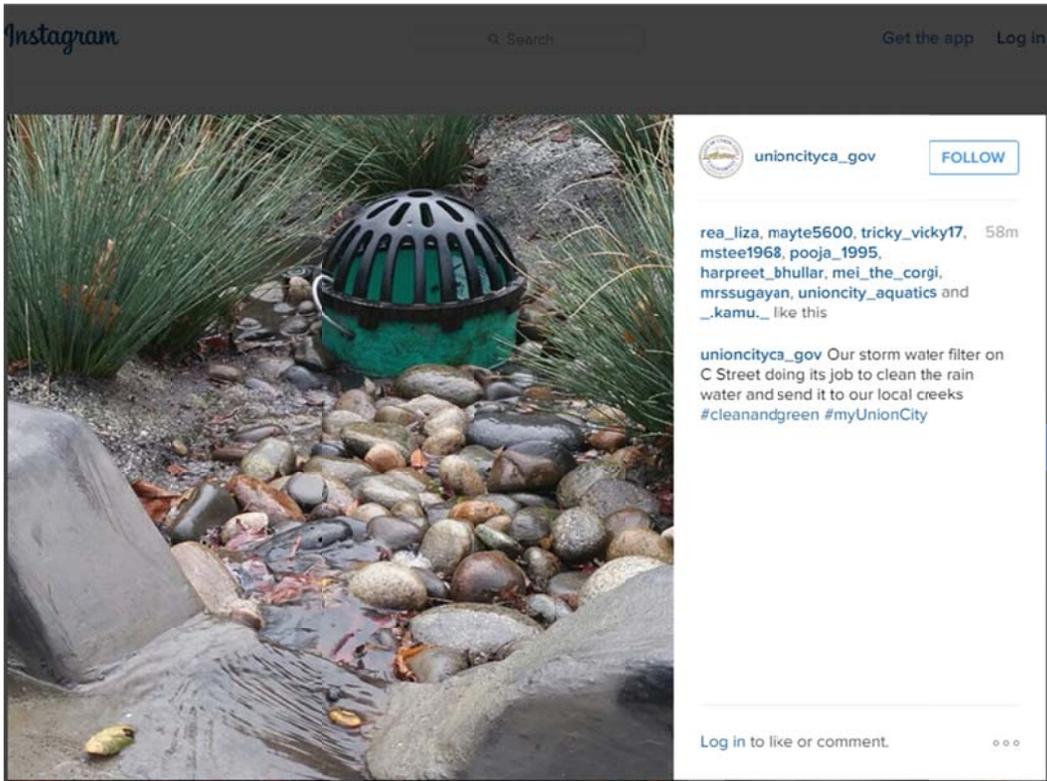
The Class 3 permeable material shall conform to the provisions of Section 68-2.02F(4), "Class 3 Permeable Material," of the Standard Specifications and these Special Provisions. The permeable material shall conform to the grading requirements for Class 3 permeable material and must consist of washed angular crushed stone.

The bedding and joint material shall conform to the grading requirements for ASTM No. 8 permeable material as shown in the following Table 1. Bedding material shall consist of Crushed stone with 90% fractured faces, LA Abrasion < 40 per ASTM C 131, minimum CBR of 80% per ASTM D 1883.

## **ATTACHMENT**

**C.3.j.i.v.(d) Instagram Post**

Attachment C.3.j.i.v.(d) – Instagram Post



12 likes 18w

unioncityca\_gov Many of you are doing your part to conserve water, and we are too! Union City uses drought-resistant landscaping, like these succulents, and specially formulated mulch that keeps the grass in our parks green with less water, so we can be green and sustainable. We were even named an "ACWD 2015 Water Conservation Business of the Year" by Alameda County Water District! #MyUnionCity #conserve

Log in to like or comment. ...

## **ATTACHMENT**

### **C.4.b.iii. - Potential Facilities List (FY 2016-2017)**

**UNION CITY CLEAN WATER PROGRAM****LIST OF COMMERCIAL AND INDUSTRIAL FACILITIES WITH POTENTIAL TO CAUSE STORMWATER RUNOFF POLLUTION (FY 2016-2017)**

Name	Site Address
10 Minute Speed Oil Change Center 6	2601 Decoto RD
3PD Inc	1600 Atlantic ST
7 Eleven #16824	2609 Decoto RD
7 HILLS FOOD STORE	101 Appian WAY
7-Eleven Inc Store # 16104	32215 Alvarado-Niles RD
7-Eleven Inc Store # 21427	915 Whipple RD
A TOWN PIZZA	1830 Whipple RD
A&H Truck Repair	30319 Union City BLVD
A.S.I Cyber Concepts LLC	33548 Central AVE
AAA Fire Protection Services	30113 Union City BLVD
Abaxis	30411 Whipple RD
Abaxis	3240 Whipple RD
ABE Petroleum	33090 Mission BLVD
ABE Petroleum	33090 Mission BLVD A
Acacia Creek	34400A Mission BLVD
Air Liquide America	700 Decoto RD
Ajax Custom Mfg	34585 7th ST
AK Scientific	30023 Ahern AVE
Alameda County Pump Station J-3	32000 Union City BLVD
Alamillo Rebar	33353 Lewis ST
Alco Pump Station - Westview	32110 Alvarado-Niles RD
AlCo Pump Station J-2	4588 Delores DR
AlCo Pump Station J-3	32000 Union City BLVD
AlCo Pump Station-Eden Shores	2690 Eden Park PL
Alpine Awards	32400 Central AVE
Alvarado 76	31901 Alvarado BLVD
Alvarado 76	31909 Alvarado BLVD

Alvarado Business Park	30336 B Whipple RD
Alvarado Business Park ( Fire Pump House)	4100 Whipple RD B
Alvarado Dye & Knitting Mill	30542 Union City BLVD
Alvarado Niles Shell	32187 Alvarado-Niles RD
Alvarado Resource Center	31880 Alvarado BLVD
Alvarado Valero	31890 Alvarado BLVD
Amber Kinetics	32920 Alvarado-Niles RD
Amcor Packaging Distribution dba Manufactured Packaging Products	33463 Western AVE
American Licorice Company	2477 Liston WY
AMY'S DONUT SHOP	1818 Whipple RD
ANDERSEN BAKERY & CAFE	31075 Courthouse DR
Anixter	30061 Ahern AVE
Antonio Naguiat Jr. & Olivia Magno DMD, Inc	33378 Alvarado-Niles RD
Applebee's Restaurant	30980 Dyer ST
Applied Industrial Technologies	30077 Ahern AVE
Arrow Trucking Company of California	30078 Eigenbrodt WY
Asbury Environmental Services	1220 Whipple RD
ASIA EXPRESS CHINESE FOOD	1710 Decoto RD
AT&T Mobility (24198)	32600 Carmel WY
AT&T Mobility (47438)	1295 Whipple RD
AT&T California	118 "E" ST P 5006
AT&T Mobility (13243)	2931 Faber ST
AU/ Shell #002	2001 Decoto RD
Auto Parts Source	1689 Atlantic ST
Autowise Automotive	35194 Alvarado-Niles RD
AutoZone #3338	32100 Alvarado BLVD
Avalon Union City	24 Union Square
Axygen	33210 Central AVE
AZ Auto Repair Parts LLC	33090 Mission BLVD
Azimuth Semiconducting	30593 Union City BLVD
BABY NUTRITIONAL CARE #101	32970 Alvarado-Niles RD

Backyard Bayou	32280 Dyer ST
Bakemark	32621 Central AVE
BAKERY LA MEJOR	34572 Alvarado-Niles RD
BAKERY-TAQUERIA UNO	1854 Whipple RD
Baldie's Cafe	2649 Decoto RD
Bank Of America - Lockbox	3180 Whipple RD
BANYAN TREE	1771 Decoto RD
BART Union City Substation (AUC)	10 Union Square
BASKIN ROBBINS	32232 Dyer ST
Bay Star Auto	1275 Atlantic ST
Benedict Armonio DDS, Inc	30067 Industrial PKWY
Best Contracting Services, Inc	4301 Bettencourt WY
Best Label	2900 Faber ST #1
BHARAT BAZAR	34301 Alvarado-Niles Rd
BHJ Products, Inc	1651 Atlantic ST
BIG BROTHER CAFE	1640 Decoto RD
Blommer Chocolate	1515 Pacific ST
Blommer Chocolate	33377 Transit AVE
BOBBY'S BAMBOO GRILL	31861 Alvarado BLVD
BOB'S DISCOUNT LIQUOR #7	32154 Alvarado BLVD
BOMBAY PIZZA HOUSE	31871 Alvarado BLVD
Bronco Billy's Pizza	3940 Smith ST
Buckhorn Grill	32165 Union landing Blvd.
Buffalo Wild Wings	32135 Union Landing Blvd.
Burger King	1801 Decoto RD
Burger King #13768	31361 Alvarado-Niles RD
BV Family & Cosmetic Dentistry	2 Union Square Ste 230
C.R. Laurence	33200 Dowe AVE
Cadona, Inc	33401 Central AVE
Cal West Concrete Cutting	3000 Tara CT
California Supply North, Inc	29987 Ahern AVE

CAM HUONG SANDWICHES	32124 Alvarado BLVD
Cam Image, Mfg, Inc	33360 Dowe AVE
Caravan Bakery	33300 Western AVE
Caravan Bakery	33300 Western AVE
Cascade Scientific, Inc	32910 Alvarado-Niles RD
CEMEX Construction Materials Pacific, LLC	900 Whipple RD
Century Theaters, Inc.	32100 Union Landing BLVD
Chapel of the Chimes	32992 Mission BLVD
Chaplin's Sports Bistro	29200 Kohoutek WY
Chef's Warehouse	1250 Whipple Road
Chetak, Inc.	4000 Whipple RD
Chevron Station # 91166	1990 Decoto RD
Chevy's Fresh Mex Restaurant	31100 Courthouse DR
Chili's #624 Union City	32120 Dyer ST
Chipotle Mexican Grill	30920 Dyer ST
CHOWKING RESTAURANT	31838 Alvarado BLVD
City of Union City Corp Yard	34650 7th ST
Civic Center Shell	2001 Decoto RD
Civic Center Shell	2001 Decoto RD
Civic Center Shell	2001 Decoto RD
Coca Cola	1551 Atlantic ST
Cocoa Services West	29975 Ahern AVE
COLD STONE CREAMERY	30985 Courthouse DR
Cold Storage	740 Bradford ST
Conklin & Conklin Inc	34201 7th ST
Container Consulting Service Inc	1795 Atlantic CT
Criterion Brock	2913 Whipple RD
Crown Plaza	32083 Alvarado-Niles RD
Crown Worldwide Moving Storage	32001 Dowe AVE
CURRY KING	34579 Alvarado-Niles RD
Cybelle Tran, DDS	1755 Decoto RD

Da Vita Union City Dialysis Center	32930 Alvarado-Niles RD # 300
DAAWAT	33330 Alvarado-Niles RD
Dan Oden Swim Center	33901 Syracuse AVE
Dawn Food Products Inc.	2845 Faber ST
Decoto Family Dentist	2701 Decoto RD Ste 4
DELAINE EASTIN SCHOOL	34901 Eastin CT
Delta Pacific Products, Inc.	33170 Central AVE
Dental Office of Woo & Chin DDS	33341 Alvarado-Niles RD
Dental Offices of A.Woo & K.Chin	33341 Alvarado-Niles RD A
Deol Shell #136198	31301 Alvarado-Niles RD
Dollar Tree Stores, Inc (#1233)	1720 Decoto RD
DOMINO'S PIZZA	33600 Alvarado-Niles Rd
DONUT DELIGHT	34554 Alvarado-Niles RD
Dr. Eddon Duran DDS	4138 Dyer ST Ste 2
Dr. M. Arafiles-Reyes	32025 Alvarado BLVD
DRAGON HOUSE CHINESE RESTAURANT	31870 Alvarado BLVD
Dream Smile Dental	33141 Alvarado-Niles RD
Dynatech Machining	29530 Kohoutek WY
East Bay Landscaping	1147 Atlantic ST
Eden Foods, Inc.	30451 Whipple RD
Edwin P. Reyes, D.M.D.	32138 Alvarado BLVD
EL BURRITO SUPREMO	34587 Alvarado-Niles RD
El Mercado / Sweet Trendy	1767 Decoto RD
Eleanor Pulido, DMD	33404 Alvarado-Niles RD
Electrochem Solutions, LLC	32500 Central AVE
Elegant Marble & Granite	33100 Transit AVE
ELITE BAKERY	4123 Dyer ST
Elsa M. Ronquillo, DMD	1762 Decoto RD
Emerald Packaging Inc	33050 Western AVE
Empire Today, LLC	2900 Faber ST #2
Energysys	30071 Ahern AVE

Enersys Inc.	30069 Ahern AVE
Envirocheck	2845 Whipple RD
Eoff Manufacturing	32410 Central AVE
ERNIE'S WINE & LIQUORS	31846 Alvarado BLVD
Escutia's Auto	967 H ST
Excelsior Analytical Laboratory, Inc	30099 Ahern AVE
Family Dental Center	34399 Alvarado-Niles RD
FEDERICOS TAPAS & WINE BAR	30971 Courthouse DR
Fibralign Corp	32930 Alvarado-Niles RD Ste 350
Finelite	30500 Whipple RD
FOOD MAXX #463	30073 Industrial PKWY
FRESH & NATURAL CAFE	3555 Whipple RD
FreshPoint San Francisco	30340 Whipple RD
Fricke-Parks Press Inc.	33250 Transit AVE
Fuddrucker's	32175 Union Landing
Garland-White & Co.	4500 Tara CT
GCM Medical and OEM Division, Inc	1350 Atlantic ST Bldg 1
GCM Medical and OEM Division, Inc	33233 Central AVE Bldg 3
Gerry's Grill	31005 Courthouse DR
Golden Apple Corp	30049 Ahern AVE
GOLDILOCKS BAKESHOP	4126 Dyer ST
Grand J & K Corp	30118 Eigenbrodt WY
Graybar Electric	3089 Whipple RD
H & E Equipment Services	4381 Bettencourt WY
HAAFIZ FOOD MART	34595 Alvarado-Niles RD
Harjas Petroleum Inc	31889 Alvarado BLVD
Hartter 144 Inc. (KFC)	32004 Alvarado BLVD
Hartung Glass	700 Bradford ST
HD Supply Waterworks	34151 Zwissig WY
Heco - Pacific Mfg	1510 Pacific
Hertz Equipment Rental	1333 Atlantic ST

Hidemi, Oka, DMD, MD, MS, Inc.	33800 Alvarado-Niles RD St 4
Hillyard	1673 Atlantic
Holiday Inn Express	31140 Alvarado-Niles RD
HONG KONG RESTAURANT	4100 Dyer ST
Hoshizaki Western DC, Inc.	29330 Union City BLVD
Hot Pot Union City Corp	34396 Alvarado-Niles RD
HOUSE OF DUMPLINGS	109 Appian WAY
Icon Environmental Services, Inc	1220 Whipple RD
IDI Distributors	1640 Atlantic ST
IHop Restaurant #1724	32010 Dyer ST
In-N-Out Burger	32060 Union Landing BLVD
Iron Mountain	29555 Kohoutek WY
Island Pacific Supermarket	4122 Dyer ST
JAMBA JUICE #420	32358 Dyer ST
James Logan High School	1800 H ST
James Logan High School	1800 H Street
JASMINE RESTAURANT	30059 Industrial PKWY
Jasper Engines & Transmissions Exchange	1699 Atlantic ST Bldg 4
Jatco, Inc	34343 Zwissig WY
Jatco, Inc	725 Zwissig WY
Jeanette C. Guerrero, DMD	31857 Alvarado BLVD
JENJON'S CAFE	1704 Decoto RD
Jenson Mechanical	32420 Central
JIMMY'S PLACE	1688 Decoto RD
JIM'S COCKTAIL LOUNGE	34696 Alvarado-Niles RD
Jiro Japanese Restaurant	34533 Alvarado-Niles RD
JOJOLI	31866 Alvarado BLVD
Jollibee Restaurant	32460 Dyer ST
K & A Gas and Auto Repair Inc.	33365 Mission BLVD
KABILA	29286 Union City BLVD
Kaiser Permanente	30116 Eigenbrodt WY

Kaiser Permanente	3553 Whipple RD
Kaiser Permanente	3555 Whipple RD
KALINDA'S RESTAURANT/CATERING	31834 Alvarado BLVD
Kerrock Counter Top	33220 Western AVE
Kerry Ingredients	33063 Western AVE
Keystone Automotive Industries, Inc	30336 Whipple RD ste B
Kimura Dental	33408 Alvarado-Niles RD
KING LIQUORS	30063 Industrial PKWY
King Wai Trading Co.	30098 Eigenbrodt WY
Knorr Brake System	29471 Kohoutek WY
KOI SUSHI BOAT	1737 Decoto RD
Krispy Kreme	32450 Dyer ST
L & L HAWAIIAN BARBECUE	1668 Decoto RD
LA SALSA FRESH MEXICAN GRILL	32248 Dyer ST
La Terra Fina	1300 Atlantic ST
LagasseSweet Inc.	4100 Whipple RD # A
Lally Truck Trailer Repair & Paint Service	4600 Horner ST
LECHON MANILA	32104 Alvarado BLVD
Lehigh Heidelberg Cement Group	30101 Industrial PKWY
Leland P. Grant, DDS	4138 Dyer ST Ste 4
Leon H. Chang DDS	33800 Alvarado-Niles RD #6
Leo's Finishing and Refinishing	33238 Central AVE
Le's Alvarado Dental	31820 Alvarado BLVD
Lian Hwa Foods (USA) Inc.	1500 Atlantic ST
LIQUOR BARREL	2641 Decoto RD
LITTLE PANDA CHINESE FOOD	31859 Alvarado BLVD
LITTLE SHEN YANG	1749 Decoto RD
LKQ Corp	30336 Whipple RD
LKQ Corp	30336 Whipple RD
LOS DOS GALLOS	34704 Alvarado-Niles RD
Louis Evans DDS	33351 Alvarado-Niles RD

Lovely Smile Dental	33448 Alvarado Niles RD
Lowe's !1132	32040 Union Landing BLVD
LSI / Ingredients International	1610 Whipple RD
Lucky Store #782	32300 Dyer ST
Lynx Recyclers	1000 Whipple RD
M.L. Burr, DDS	2701 Decoto RD 5
Macy's Logistics, Inc	1200 Whipple RD
MAGAT'S ASIAN GROCERY AND TRADING	31873 Alvarado BLVD
MANDAVI BAZAAR	31804 Alvarado BLVD
MANEKI SUSHI	31810 Alvarado BLVD
Manila Dental Center	31210 Alvarado Niles RD
MANILA GOOD-HA SA UNION CITY	4130 Dyer ST
MANILA SUNRISE RESTAURANT	4122 Dyer ST
Marcus Lin, DDS	29300 Kohoutek WY 100
Marina Foods	1791 Decoto RD
Masonic Homes	34400 Mission BLVD
Masonic Homes	34400 Mission BLVD
Mathews Mechanical	33480 Western AVE
MAYFLOWER SEAFOOD RESTAURANT	34338 Alvarado-Niles Rd
Maypearl	31300 Alvarado Niles RD
MCDONALDS	30600 Dyer ST
McDonald's	27 Union Square
Mendoza Cutting Service	30550 Union City BLVD
MENCONI'S	32611 Alvarado BLVD
Mercado Latino, Inc	33430 Western AVE
MET Laboratories	33439 Western AVE
Mexico Lindo	33306 Alvarado-Niles RD
Michaels 2076	31080 Dyer ST
MISSION FOOD & LIQUOR	101 Decoto RD
Mitsu Auto Repair	1277 Atlantic ST
Mizuho Orthopedic System	30031 Ahern AVE A

Mizuumi Buffet	1604 Decoto RD
mOasis, Inc	32930 Alvarado-Niles RD
Monarch Leasing	29899 Union City BLVD
MORTAR PESTLE	32136 Alvarado BLVD
Mountain Mikes Pizza	32170 Dyer ST
MR KEBAB	1760 Decoto RD
MUSKAAN INDIAN CUISINE	1706 Decoto RD
MV Transportation	1283 Atlantic ST
NAYONG FILIPINO	1796 Whipple RD
New Age Linen	2930 Faber ST
NEW CHINA	1743 Decoto RD
New Haven Unified School District Corp. Yard	3636 Smith ST
New Horizon Foods	33440 Western AVE
NEW INDIA MARKET	31885 Alvarado BLVD
NEW LUK YUEN RESTAURANT	31802 Alvarado BLVD
New World Van Lines	33373 Lewis AVE
NHUSD Central Kitchen	2831 Faber ST
NILES LIQUORS & MINI MART	34359 Alvarado-Niles Rd
Noble Dental Care	34603 Alvarado Niles RD
Northwood Design Partners	1528 Atlantic ST
Oakridge Industries	1130 Pacific ST
OEC Graphics	33288 Central AVE
OLA's EXOTIC COFFEE AND TEA	3900 Smith ST
Omni Cable Corp	2915 Whipple RD
One-Stop Auto Service	1279 Atlantic ST
OO LIQUORS	1800 Whipple RD
Orcon	1570 Atlantic ST
O'Reilly Auto Parts #2571	1601 Decoto RD
O'Rite International	30100 Ahern AVE
Pacific Materials Handling	30361 Whipple RD
Pacific Rain Gutter Supply, Inc	1420 Whipple RD

Pacifica Senior Living	33883 Alvarado-Niles RD
Party City	30761 Dyer ST
PASTA POMODORO	32216 Dyer ST
Pep Boys #816	30085 Industrial PKWY
PEPPER TREE LOUNGE	1848 Whipple RD
PERRY'S LIQUORS	31885 Alvarado BLVD
Petco #309	31090 Dyer ST
PG & E Jarvis Substation	900 Decoto RD
PHO PASTEUR RESTAURANT	31860 Alvarado BLVD
PHO TUONG LAI	1779 Decoto RD
PIZZA HUT	2617 Decoto RD
Popeye's Louisiana Kitchen	31816 Alvarado BLVD
ProSpectra Contract Flooring	4017 Whipple RD
PTR Manufacturing Inc.	33390 Transit AVE
PUMP IT UP OF UNION CITY	2995 Whipple RD
Quality Distributing	2850 Volpey WY
QUICK SHOP MARKET	31887 Alvarado BLVD
Quik Stop Market # 29	1824 Whipple RD
R & S Manufacturing, Inc	33955 7th ST
R.B. DELI	2813 Whipple RD
R.J. Chase Co.	4000 Tara CT
Randhawa Dental Corp	4138 Dyer ST Ste 1
Rapak Inc.	29959 Ahern AVE
Rapid Displays	33195 Lewis AVE
RAYAAN PIZZA & PASTA	32106 Alvarado BLVD
RED RIBBON BAKESHOP INC	31840 Alvarado BLVD
Reliance Metal Center	33201 Western AVE
Ricardo & Olga Morales Dental	4138 Dyer ST
Rich Products	1600 Whipple RD
Riddell	32920 Alvarado-Niles RD Ste 240
Right Away Redy Mix	30100 Union City BLVD

Rite Aid #5942	31836 Alvarado BLVD
Rite Aid #5943	1650 Decoto RD
RKI Instruments	33248 Central AVE
Rose Garden Restaurant	33348 Alvarado-Niles RD
ROSHNI MARKET	2633 Decoto RD
ROUND TABLE PIZZA	1744 Decoto RD
Royal Truck Body	930 Whipple RD
RUGGIERI SENIOR CENTER	33997 Alvarado-Niles RD
Ryss Lab, Inc	29540 Kohoutek WY
Safelite Auto Glass	30410 Whipple RD
Safety Environmental Control	1480 Whipple RD
Safeway #1197	1790 Decoto RD
Sally Beauty Supply	32272 Dyer Street
San Francisco Specialty Produce	30200 Whipple RD
SANGRAM'S PALACE	30063 Industrial PKWY
Save On Cleaners	34375 Alvarado-Niles RD
Savory Creations	32611 Central AVE
Scott's Mobile Trailer Repair	1220 Whipple RD # B
Seafood City	31840 Alvarado BLVD
Sealed Air Corporation	2877 Volpey WY
Selway Machine & Tool	29250 Union City BLVD
SHALIMAR INDIAN GROCERIES	32118 Alvarado BLVD
Shaw Industries Inc.	4025 Whipple RD
Sheedy Hoist	34301 7th ST
Shell Oil	31889 Alvarado Blvd
Shell Station (136197)	2001 Decoto RD
Shell Station (136198)	31301 Alvarado Niles RD
Shell Station (136199)	31889 Alvarado BLVD
Shell Station (136201)	32187 Alvarado Niles RD
SHENG KEE BAKERY #10	34332 Alvarado-Niles Rd
Shrader Vacuum	29300 Kohoutek WY Ste 160

Sigmatron	30000 Eigenbrodt WY
Sitton Flooring	29360 Union City BLVD
SK DONUT SHOP	32102 Alvarado BLVD
Smart & Final	31070 Dyer ST
SMITH CONVENIENT MARKET	3834 Smith ST
Southern Wine & Spirits	33300 Dowe AVE
Southern Wine & Spirits	33321 Dowe AVE
Southern Wine & Spirits #326718	1555 Atlantic ST
Southern Wine & Spirits (Vendor No. 326718)	33321 Dowe AVE
Southland Industries	33225 Western AVE
Spacesonic, Inc.	30300 Union City Blvd.
Spanish Tradition	33949 10th ST A
Sparkle Dental Care	32631 Alvarado BLVD
Specialized Laundry	33483 Western AVE
SPICE HOUSE CO.	29266 Union City BLVD
Spicers Paper, Inc.	30108 Eigenbrodt
Sports Authority	31200 Courthouse DR
Star Pacific	1205 Atlantic ST
STARBUCKS #5887	1752 Decoto RD
STARBUCKS COFFEE #11167	32340 Alvarado BLVD
STARBUCKS COFFEE #5653	32240 Dyer ST
Station Center Apartments	34888 11th ST
Strapack	33508 Central AVE
Studio 1204, Inc	34485 7th ST
SUBWAY #5476	34367 Alvarado-Niles Rd
SUBWAY SANDWICHES & SALADS #18968	30057 Industrial PKWY
SUBWAY SANDWICHES & SALADS #29141	32144 Alvarado BLVD
Sugar Foods Corporation - aka Musso's Gourmet Bakery	33378 Transit AVE
Summit Plastering	33363 Lewis AVE
Sunnyvale Seafood	2910 Faber ST
SUPERMERCADO GUADALAJARA	33909 10th ST

SUSHI BOAT	32200 Dyer ST
T & L Muffler	1007 Decoto RD
T.G.I. Fridays Restaurant #1946	31900 Dyer ST
Taco Bell	34525 Alvarado-Niles RD
Taco Bell #15798	30075 Industrial PKWY
Taco Bell #2194	32002 Alvarado BLVD
TADAMASA RAMEN	34672 Alvarado-Niles RD
TAIPEI 101	34308 Alvarado-Niles Rd
TAPIOCA EXPRESS	1707 Decoto RD
Tellworks	30067 Eigenbrodt WY
THAI BBQ	4116 Dyer ST
THAI KITCHEN RESTAURANT	31845 Alvarado BLVD
THAI VILLAGE CUISINE	34571 Alvarado-Niles RD
The Home Depot #635	30065 Industrial PKWY
THE MARY CORDOZA CENTER	2831 Faber ST
The Printer Works, Inc.	33300 Dowe AVE
The Source Group	30315 Union City BLVD
The Tropics	33000 Almaden BLVD
THE VITAMIN SHOPPE	32109 Union Landing BLVD
Tire & Wheel Master	4005 Whipple RD
Tire Dealer's Warehouse	33375 Central AVE
TOGOS	32220 Dyer ST
Tomatina	32155 Union Landing Blvd.
TOPPINGS TOO!! RESTAURANT	3910 Smith ST
Tournesol Siteworks	2930 Faber Street
TRIBU GRILL	32208 Dyer ST
Tri-CED	33377 Western AVE
Tri-City Dentistry	31874 Alvarado BLVD
Tri-ed Distribution Inc	2807 Whipple
U.S. Cleaners	34584 Alvarado-Niles RD
Umo Steel Inc	4700 Horner ST

Union 76	31300 Alvarado-Niles RD
Union City Auto Body	1250 Pacific ST
Union City Brake & Clutch	1281 Atlantic ST
Union City Civic Center	34009 Alvarado-Niles RD
Union City Dental Aesthetics	30811 Union City BLVD
UNION CITY DONUTS & DELI	31080 Union City BLVD
Union City Fire Station # 32	31600 Alvarado BLVD
Union City Fire Station # 33	33942 7th ST
Union City Fire Station #30	35000 Eastin CT
Union City Fire Station #31	33555 Central AVE
UNION CITY KOREAN MARKET	34555 Alvarado-Niles RD
Union City Public Works Maintenance Facility	34650 7th ST
Union City Shell	31301 Alvarado-Niles RD
UNION CITY SPORTS CENTER	31224 Union City BLVD
Union City Teen Workshop	33623 Mission BLVD
Union Dental Center	34608 Alvarado-Niles RD
Union Int'l Food Co.	33035 Transit AVE
Union Landing Dental Center	32364 Dyer ST
Union Sanitary District	5072 Benson RD
Union Sanitary District	5072 Benson RD
Unistrut International Corporation	1679 Atlantic ST
United Building Maintenance	3261 Whipple RD
UNITED FOOD AND LIQUOR	31090 Union City BLVD
United States Pipe & Foundry	1295 Whipple RD
University of the Pacific Dental	1203 J ST
US Cold Storage	33400 Dowe AVE
US Pipe & Foundry	1295 Whipple RD
US Spices Corp	2801 Faber ST
USK Manufacturing, Inc.	720 Zwissig WY
V TROPICAL BAKESHOP	4128 Dyer ST
V.E.M. Engineering	35218 Alvarado-Niles RD

VALERIO'S TROPICAL BAKESHOP	31844 Alvarado BLVD
VCA All About Pets Animal Hospital	34664 Alvarado-Niles RD
Venta Medical, LLC	33170 Central AVE
Verizon Wireless	2931 Faber ST
Verizon Wireless	32600 Carmel WY B
Verizon Wireless	33467 Western AVE B
Verizon Wireless - Mission Appian	34860 Mission Blvd
VS.'s Auto & Performance / Auto Repair	33365 Mission BLVD 2
Wal*Mart Store #2031	30600 Dyer ST
Wayne Dalton Genie Sales Center of the Bay Area	30420 Whipple RD
Welcome Market, Inc	2931 Faber ST
West Logistics LLC	30300 Whipple RD
West Coast Cleaners	33366 Alvarado-Niles RD
Westland Giftware	30180 Ahern AVE
WHC Plumbing Supply Co.	2900 Volpey WY
Whipple Road Family Dental care	1794 Whipple RD
WHIPPLE TAQUERIA	1790 Whipple RD
William Asai, DDS	33341 Alvarado-Niles RD B
WINGSTOP	1648 Decoto RD
YOGURT TRAIN	1735 Decoto RD
Young's Market Co	1701 Atlantic CT
ZHI WEI RESTAURANT	1773 Decoto RD
Zuo Modern Contemporary	1285 Atlantic ST

## **ATTACHMENT**

**Online Reporting Form Screenshot**



- Home
- About Us
- Departments
- Government
- How Do I...
- Residents
- Businesses

- Monthly Transit Pass
- CERT
- Going Green
- Parking Program
- Information About Measure QQ
- Clean Water Program
  - Report Clean Water Issues
- Emergency Preparedness
- Garbage, Recycling & Green Waste Collection
- City Parks

Residents » Clean Water Program

### Report Clean Water Issues

Font Size: [+] Share & Bookmark [+ Feedback] Print

To report any clean water or storm water issues please fill out the form below or call (510) 675-5301. All reports are anonymous.

Please select the type of issue you are reporting.

(Select an Answer) [v]

Please describe complaint (What happened, what materials or substances were involved, how much is involved, where did the materials or substances go, who else have you reported this to and what was the outcome?) Provide any information that will help our inspectors determine the most timely and effective response.

[Large empty text area for describing the complaint]

If you have any files or photos please upload below.

[Browse... CLEAR]

Maximum size allowed: 5 MB  
Allowed types: .gif, .jpg, .png, .doc, .docx, .xls, .xlsx, .rtf, .pdf, .txt

Photos and other documentation are very helpful when following up on pollution tips. Please include the observed time and date, location and description of the event if you uploaded a photo or file.

[Large empty text area for providing additional details]

To receive a copy of your submission, please fill out your email address below and submit.

Email Address [input field]



To prevent spam we utilize a verification code system. Please enter the code as it is shown in the box above:

[Verification code input field]

SUBMIT

## **ATTACHMENT**

**C.5.d.iii. 2015-16 - Stormwater Complaint  
Discharge Tracking Form**

### Complaint/Spill/Discharge Tracking Spreadsheet

MRP

Requir ements The MRP's Provision C.5.f requires the following: "All incidents or discharges reported to the complaint/spill system that might pose a threat to water quality shall be logged to track follow-up and response through problem resolution. The data collected shall be sufficient to demonstrate escalating responses for repeat problems, and inter/intra-agency coordination, where appropriate."

Purpose The purpose of this spreadsheet is to provide an example "water quality spill and discharge complaint and follow up" tracking method for the ACCWP agencies to adapt for their use starting April 1, 2010.

Complaint Information																	Investigation Information										Follow Up Information											
Date and Time of Complaint Receipt		Source of Complaint Enter "1" for source of complaint			Threat to Water Quality		Type of Pollutant(s) Enter "1" for each type reported								Date Investigation Started	Time Investigation Started	Type of Pollutant(s) Enter "1" for each type found								Enter "1" if Discharge Entered Storm Drain and/or receiving water	Enter "1" if there is Nothing Found to Abate nothing needing abatement	Type of Enforcement Enter "1" for each type					Response Times Enter number of days			Enter "1" if Resolved in Timely Manner			
Date of Complaint	Time of Complaint	Public	Another Public Agency	Own Agency Staff	Enter "1" if discharge reported threat to water quality	Enter "1" if no threat to water quality	Washwaters	Sewage	Construction Materials	Vehicle Fluids	Food Wastes	Paint	Sediment and/or Silt	Industrial Wastes			Litter and/or Debris	Oil not from vehicles/Other	Washwaters	Sewage	Construction Materials	Vehicle Fluids	Food Wastes	Paint			Sediment and/or Silt	Industrial Wastes	Litter and/or Debris	Other	None	Warning Notice	Written Warning/ Notice of Violation	Notice to Comply		Legal Action	Call to Investigate	Investigate to Abate
7/5/15	20:20			1	1									1			7/6/15	845 am									1						1	45	46			
10/27/15	9:15	1			1				1								10/28/15	11:30			1						1	1					1	1	1	1		
10/28/15	14:22		1			1										1	10/28/15	15:30							1		1	1					1	2	3	1		
12/2/15	9:33		1		1				1								12/7/15	11:00									1	1					5	1	6	1		
12/10/15	16:05	1				1								1			12/10/15	16:22							1		1	1					1	6	7	1		
1/28/16	16:39			1					1								1/28/16	11:20			1					1							1	1	15			
2/29/16	11:30		1		1		1			1							3/3/16	17:00	1			1					1		1				3	2	5	1		
4/20/16	6:42		1			1			1								4/20/16	8:35			1						1	1					1	1	1	1		
5/30/16	12:48		1			1										1	5/30/16	16:35							1		1	1					1	2	2	1		
6/4/16	22:04		1			1										1	6/6/16	9:15								1	1						2	4	4	1		
6/10/16	16:00			1	1				1				1				6/10/16	16:00			1			1			1	1					1	1	1	1		
6/14/16	9:30			1	1					1							6/14/16	14:30			1					1							1	20	20			
6/30/16	9:01	1			1											1	6/30/16	9:45							1		1		1				1	1	1	1		



## **ATTACHMENT**

**C.5.f.iii - MS4 Map Screenshot**

Attachment C.5.fiii MS4 Map Screenshot

The screenshot displays the City of Union City's digital map interface. At the top, the city logo and contact information are visible: "City of Union City", "34009 Alvarado - Niles Road | 510.471.3232 | www.ci.union-city.ca.us". The map itself shows a dense urban area with streets highlighted in yellow and blue. A legend on the right side lists various map layers:

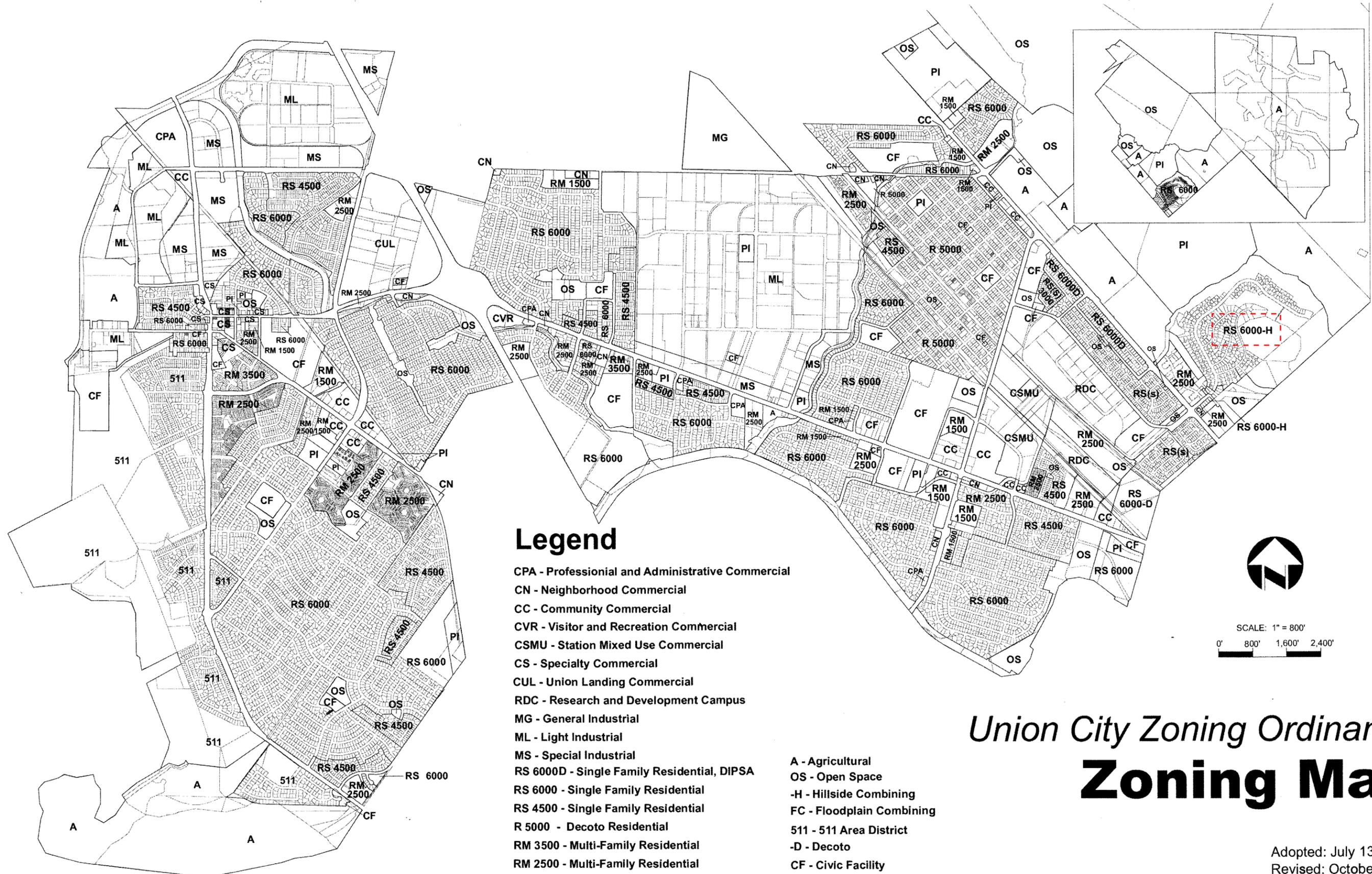
- Parks and Recreation**
  - Bike Routes (Existing)
  - Bike Routes (Proposed)
  - Labels: Parks
  - Parks
  - Labels: Trails
  - Trails
- Public Works**
  - Storm Drain Mains
  - Railroad Mile Markers
  - City Owned Facilities
- Planning Data**
  - Land Use
  - Landmark (LHP) Districts
  - Redevelopment Zones
  - Street Lights
  - Labels: Zoning
  - Zoning

At the bottom left, the URL "http://maps.digitalmapcentral.com/production/vcommunityview/cities/unioncity/index.aspx#" is shown. At the bottom right, the zoom level is set to "100%".

## **ATTACHMENT**

**C.6.iii.(1) - Union City Zoning Map**

ATTACHMENT C.6.e.iii.(1) - Union City Zoning Map



**Legend**

- CPA - Professional and Administrative Commercial
- CN - Neighborhood Commercial
- CC - Community Commercial
- CVR - Visitor and Recreation Commercial
- CSMU - Station Mixed Use Commercial
- CS - Specialty Commercial
- CUL - Union Landing Commercial
- RDC - Research and Development Campus
- MG - General Industrial
- ML - Light Industrial
- MS - Special Industrial
- RS 6000D - Single Family Residential, DIPSA
- RS 6000 - Single Family Residential
- RS 4500 - Single Family Residential
- R 5000 - Decoto Residential
- RM 3500 - Multi-Family Residential
- RM 2500 - Multi-Family Residential
- RM 1500 - Multi-Family Residential
- RS(s) - Single Family Residential/Special DIPSA

- A - Agricultural
- OS - Open Space
- H - Hillside Combining
- FC - Floodplain Combining
- 511 - 511 Area District
- D - Decoto
- CF - Civic Facility
- PI - Private Institutional
- LHP - Landmark and Historic Preservation - ■



SCALE: 1" = 800'  
 0' 800' 1,600' 2,400'

*Union City Zoning Ordinance*  
**Zoning Map**

Adopted: July 13, 2004  
 Revised: October 8, 2004  
 Ordinance #: 628-04

## **ATTACHMENT**

### **C.7.e - Union City Tree Program**

## HOW UNION CITY HANDLES TREE CARE

The tree workers and certified arborists who work with the Department of Public Works manage our urbanforest to assure a healthy future for the trees. Community forestry involves three areas of expertise:

- Arboriculture—Caring for the health of individual trees.
- Landscape Architecture—Designing planting schemes to satisfy both the needs of the natural environment and human needs.
- Forestry—Managing Union City’s entire urban forest with consideration of its whole life cycle.

Community tree planting is done by city employees, volunteer citizens, and youth education programs under the supervision of the Department of Public Works.

Caring for our community’s trees is an important part of the Union City Municipal Code, which gives us guidelines for the design, installation, and maintenance of trees. The Code also created the Tree and Land Review Board composed of five Union City citizens selected by the Park and Recreation Commission. The Board advises the Commission on issues that affect public trees and landscapes on both

city and private lands, and makes provisions for the protection of public trees.

## WHERE STREET TREES ARE PLANTED

City street trees are planted on the public right-of-way the public right-of-way is actually an extension of the public street which extends behind the face of the curb. In most instances, the-public right-of-way extends behind the face of the curb by ten feet. It is in this area where public utilities, street trees, signs, and other public facilities are installed.

By municipal code, property owners need to obtain permits for permanent installations which may be constructed on the public right-of-way. Fences, walls, concrete or asphalt paving are examples of installations which should not be installed on the public right-of-way without a permit. Landscaping is usually exempt from this requirement. However, public agencies have the right to remove (without replacement) any privately installed landscaping on the public right-of-way if it is necessary for the installation or maintenance of public facilities.

## BENEFITS OF TREES

Twenty-four hours a day, through every season of the year, trees planted in Union City neighborhoods are on duty, contributing to the beauty of the community and your physical and mental well being. They cool the air, slow the wind, and intercept the rain. They clean up pollution without electricity, noise, or political debate. They cut your fuel bills and increase your property values. They’re as beautiful as the contents of the finest art gallery. And they let you recharge your energy, reducing stress in a moment’s glance.

But that’s not all. Trees are a major weapon in the war against global warming and the drought and pollution conditions which follow. By burning fuels for heating, air conditioning, industry and transportation, humans are putting carbon dioxide into the air at an alarming rate. Carbon dioxide is a major culprit in the greenhouse effect. A fast-growing tree absorbs up to 48 pounds of carbon dioxide a year - enough to offset the exhaust produced by driving a car 21,000 miles!

Our city forest adds so much to our community that its management deserves special attention and citizen participation. Here are a few of the ways you can benefit from trees:

### Trees Cool the Air

- Tree shade lowers air conditioning costs 10-50%.
- On summer days, downtown areas of most cities without trees are 3° to 10° warmer than the surrounding region. By shading urban concrete and asphalt, which absorb the sun’s heat rays, trees help lower a city’s temperature.

### Trees Add To Property Value

- According to Forest Service analysis, trees and landscaping increase property value from 7 to 20%.
- Trees will strengthen neighborhood values in Union City by giving streets an identity and sense of place.

### Trees Reduce Noise Pollution

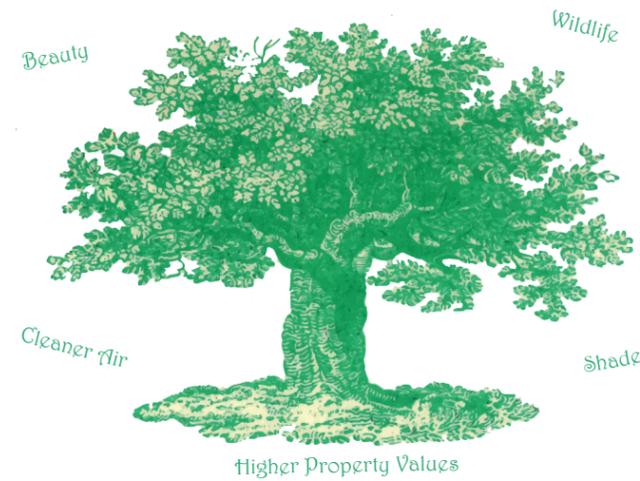
- Union City trees absorb sound and soften noise, serving as baffles against the noise of busy boulevards, freeway I-880, and BART.
- Trees mask urban noise by generating pleasing sounds, like rustling leaves and birdsong.

### Trees Conserve Water and Soil

- Trees give the Union City storm water systems a helping hand by capturing rainwater in their leafy canopy, thus slowing storm water runoff.
- Trees help Union City soils retain moisture.
- Trees reduce landslide and erosion by binding the soil with their roots.

### Trees Make Our City More Serene

- Trees perfume the air.
- Tree shade blocks the sun’s glare.
- Trees are a symbol of nature in an urban setting.
- Trees invite beneficial wildlife into Union City, such as birds and squirrels.
- Trees have a calming effect on people. Studies of brainwave and heart rate data have shown that the presence of trees and other vegetation reduces stress and promotes relaxed states of attention.



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Page 4

- Trees create a wind screen, helping to mitigate the windy conditions found in Union City.
- They add color, texture, and visual unity to harsh concrete and asphalt environments.

### Trees For Better Health

- Urban trees provide contact with nature for those Union City residents who are less mobile, especially the young, elderly, disabled and poor.
- Patients with an outside view of trees had shorter hospital stays and required fewer pain killers, according to one study.
- A Harris poll showed that 95% of Americans feel that “having trees around me” is an important part of their environment.

Despite all the benefits that urban trees offer us, they are endangered. American cities cut down four trees for every new one they plant, and one third of the cities lose eight trees for each new one planted. In 1980, 50% of our cities had systematic tree care programs, but by 1986, the figure had dropped to 39%. Additionally, tree topping is a common but destructive practice that cuts off the tops or major portions of a tree without consideration of its structure and health.

## UNION CITY TREE POLICY

The City’s municipal code also defines the public right-of-way, and gives the City permission to locate trees within ten feet from the curb. It is the City’s policy to have trees planted on the public right of way in front of all commercial, industrial, and residential properties. Union City Ordinance #318-89 provides some tree-related cautions and guidelines for what people may and may not do:

- Do not cut, trim, remove, injure, or in any way impair the growth of public trees. Limited permission is available for cutting, trimming, or removing trees after application to the Director of Public Works. The Director authorizes inspection and, if appropriate, may issue a permit for work.
- Do not dump any salt, oil, herbicide, or other toxic materials near public trees. Avoid dumping toxic materials nearby which may hurt the tree later on.

- Get permission from the Director of Public Works before paving parking strips or a public right-of-way.

Laws have also been established to preserve significant trees on public and private land. They protect any of the following trees:

- For residential properties, trees with a 35 inch or greater circumference (measured around the tree at a 4 foot height), or if multi-trunked, 70 inches or more when all trunk circumferences are added together.
- Any tree with a 12” or greater trunk circumference, when removal relates to any transaction requiring zoning or subdivision approval.
- Trees 12” around or larger on vacant lots, undeveloped property, or on commercial, office, or industrial property.
- Any tree required to be planted as part of zoning or subdivision approval.
- Any tree that was a specific subject of a zoning or subdivision approval.

## MAINTENANCE PROGRAM

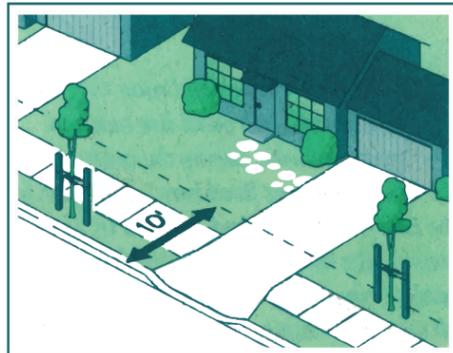
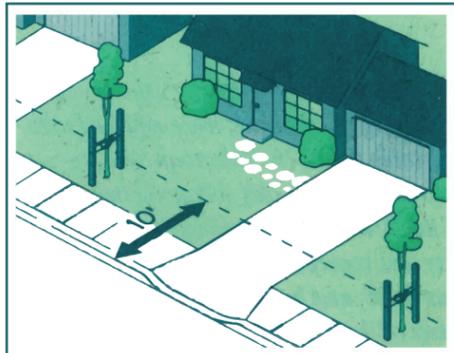
The City prunes approximately 2,000 public trees annually, visiting each tree in public right-of-ways approximately every seven years. Emergencies involving trees are responded to immediately. City arborists inspect public trees at the request of property owners.

## TREE TOPPING

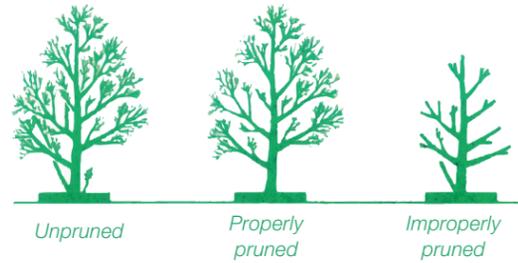
One common request is for a tree to be topped. Most of these requests are generated by property owners concerned about leaves or the safety of a tall tree. However, topping is not a horticulturally sound practice and weakens a tree in several different ways.



Page 2



Typical public right-of-way situations



- Topping starves trees since such a large portion of the crown is removed. Good pruning practices do not remove more than one third of the crown.
- It encourages insects and disease.
- Weak branch attachments result.
- It can result in rapid new growth which is actually denser than the non-topped tree.
- Tree death due to shock may occur
- Topping ruins the natural form of a tree.
- A topped tree costs more to maintain than an untopped tree.

The City, therefore, will not top trees. It will, however, select the proper sized tree for the growing area.

P.G.&E. does some topping of street trees under their powerlines. For information call P.G.&E.

### TREE PLANTING

Property owners in Union City who desire to have a city tree and have room within the public right-of-way, can have a tree planted at no cost to them. To obtain a tree, the property owner only needs to call the office. The proposed tree site is then inspected and the property owner is sent a list of trees to choose from. The approved list has trees which have been selected to provide both the diversity to meet different property owners' desires, are known to grow well in Union City, are pest resistant, are not likely to cause concrete damage, will survive with minimal care by the homeowner, and do not require frequent pruning when mature.

### TREE REMOVALS

Trees planted in an urban environment have a physiological lifespan. The City has set up a tree removal process in order to balance the individual property owner's needs and desires with the benefits that trees provide to the entire community. The City's Street Tree Ordinance provides for removal of street trees only under

certain circumstances and assigns responsibility for the removal to either the City or the property owner. For more information on the criteria, please call our office.

### ROOT PRUNING

Upon request and after inspecting, the City will remove or cut troublesome surface roots on City street trees, or cut roots which have the potential to damage public concrete. This is achieved either by hand or with a gasoline powered root cutter. This activity is encouraged because it can be an alternative to tree removal. In some cases concrete patching is performed to reduce tripping hazards. Root diversion barriers may also be installed to minimize the potential for sidewalk damage.

PRESORTED  
STANDARD  
U.S. POSTAGE  
PAID  
UNION CITY CA  
PERMIT #35

### FOR FURTHER INFORMATION ABOUT TREES

Union City Department of Public Works  
34009 Alvarado-Niles Rd., Union City, CA 94587  
Ph: (510) 675-5308 · 24 hour tree information

#### Books:

*The Simple Act of Planting a Tree: Healing Your Neighborhood, Your City, and Your World*, Andy and Katie Lipkis, Jeremy P. Tarcher, Inc., Los Angeles, 1994

*Tree*, David Burnie, Alfred A Knopf. New York, 1993

*Water Conserving Plants and Landscapes for the Bay Area*, Barrie Coate principle author, East Bay Municipal Utility District

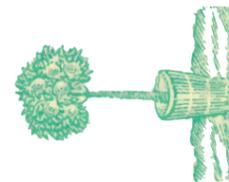
#### Organizations:

California ReLeaf, 116 New Montgomery, 3rd Floor, San Francisco 94105, Ph: (415) 495-5660

California Oak Foundation, 909 12th St., Suite 125, Sacramento 95814, Ph: (916) 448-9495

University of California Cooperative Extension, 224 West Winton Ave., Room 174, Hayward 94544-1220, Ph: (510) 670-5200

City of Union City  
34009 Alvarado-Niles Rd.  
Union City, CA 94587



# Union City Tree Program

The area we now call Union City was dotted with coast live oak and sycamore trees during the centuries that the Ohlone Indians lived here. A traveler from the East Coast described the area in, 1849 as "having the most superb orchards and vineyards springing up everywhere, and it is dotted all over with clumps of magnificent oaks, cypresses and sycamores."

The trees began to disappear after World War I, as most of the orchards were replaced with vegetable fields. The suburban area we know today grew up quickly following the completion of Bay Area bridges and highways. When Union City was incorporated in 1959, the population was 6,000, and by 1994 it had grown to 58,000. Many of the city's trees were planted as a condition of commercial, industrial, or residential development.

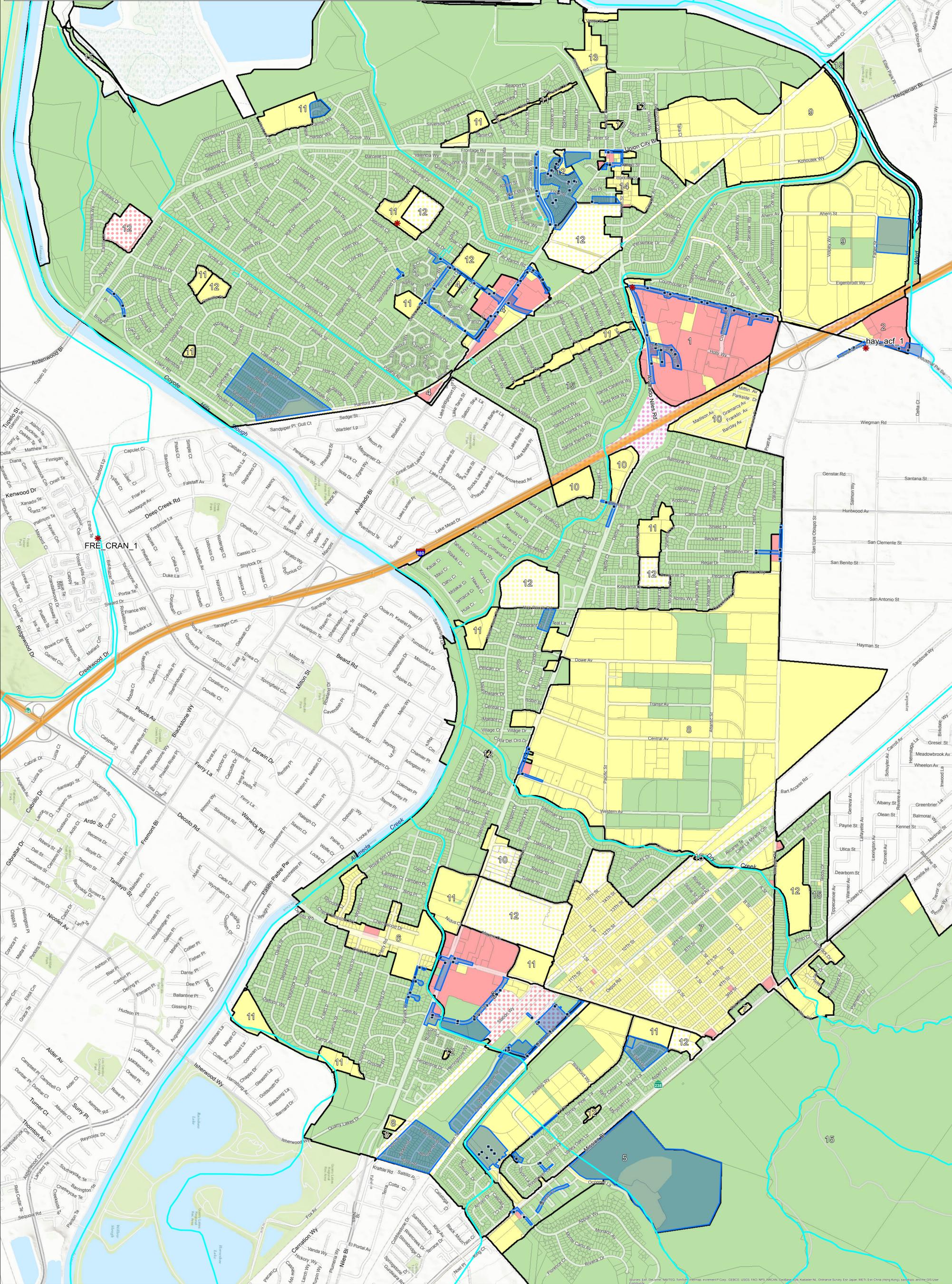


Department of Public Works

## **ATTACHMENT**

### **C.10.b.ii – Union City Full Trash Capture and Trash Management Area Map**

# City of Union City Full Trash Capture and Trash Management Area Map



**Legend**  
**Trash Generation Category**  
 Low  
 Moderate  
 High  
 Very High

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

Streets  
 Freeway  
 Creeks  
 Parcel Boundary



0 0.15 0.3 0.6 Miles

**Data Sources:**  
 Roads: Alameda County  
 City Boundaries: Alameda County  
 Creeks: Alameda County  
 Parcels: Alameda County  
 Background: ESRI World Topographic Map

**Map Created By:**  
 EOA, Inc.  
**Date:**  
 July 13th, 2016