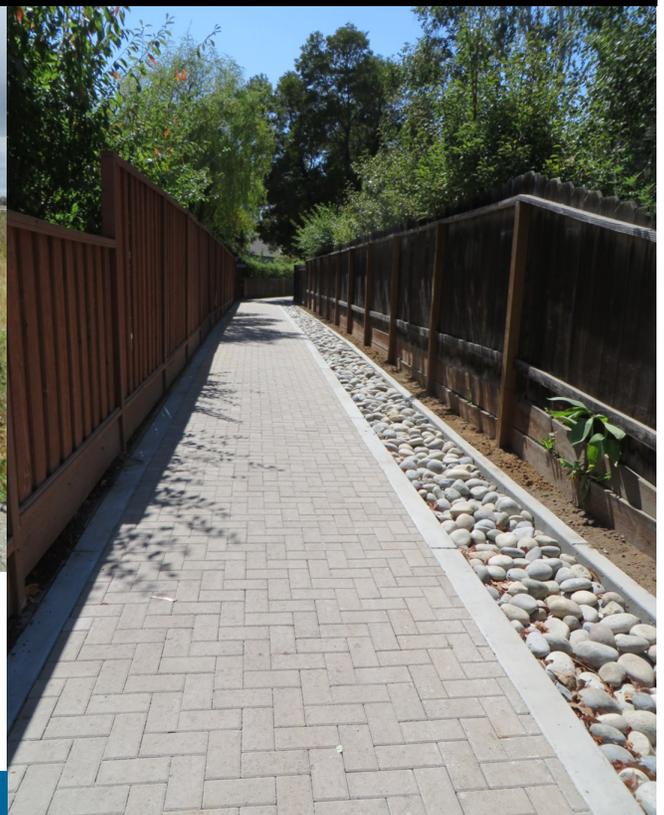




City of Palo Alto

Stormwater Management

Annual Report 2015-2016



Santa Clara Valley
Urban Runoff
Pollution Prevention Program



CITY OF
**PALO
ALTO**

PUBLIC WORKS

2501 Embarcadero Way
Palo Alto, CA 94303
650.329.2598

September 30, 2016

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

Subject: **City of Palo Alto**
FY 2015-2016 Annual Report

Dear Mr. Wolfe:

This letter and Annual Report with attachments is submitted by City of Palo Alto pursuant to Permit Provision C.17.a of the Municipal Regional Stormwater NPDES Permit (MRP), Order R2-2015-0049, NPDES Permit No CAS612008 issued by the San Francisco Bay Regional Water Quality Control Board. The Annual Report provides documentation of activities conducted during FY 2015-2016 and consists of the following:

- A. Certification Statement
- B. Annual Report Form
 - Table of Contents
 - Completed Annual Report Form: Sections 1-15
- C. Appendix
 - Table of Contents
 - Appendices

Please contact Karin North at 650-329-2104 regarding any questions or concerns.

Very truly yours,

Mike Sartor
Director – Department of Public Works
City of Palo Alto



CityOfPaloAlto.org

FY 15-16 Annual Report

Permittee Name: City of Palo Alto

Attachment B

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Section 1 – Permittee Information

Background Information					
Permittee Name:	City of Palo Alto				
Population:	66,642				
NPDES Permit No.:	CAS612008				
Order Number:	R2-2015-0049				
Reporting Time Period (month/year):	July 2015 through June 2016				
Name of the Responsible Authority:	Karin North	Title:	Manager, Watershed Protection		
Mailing Address:	2501 Embarcadero Way				
City:	Palo Alto	Zip Code:	94303	County:	Santa Clara
Telephone Number:	(650) 329-2104	Fax Number:	(650) 494-3531		
E-mail Address:	Karin.North@cityofpaloalto.org				
Name of the Designated Stormwater Management Program Contact (if different from above):		Title:			
Department:					
Mailing Address:					
City:		Zip Code:		County:	
Telephone Number:		Fax Number:			
E-mail Address:					

Section 2 - Provision C.2 Reporting Municipal Operations

Program Highlights and Evaluation

Highlight/summarize activities for reporting year:

Summary:

City of Palo Alto staff participates in SCVURPPP's Municipal Operations Ad Hoc Task Group. In-house staff in Public Works and Utilities receive training on stormwater best management practices. Parks and Public Works staff that maintain rural roads has attended regional training. Contracts include specifications to prevent stormwater pollution. Please refer to the C.2 Municipal Operations section of the Program's FY 15-16 Annual Report (if applicable) for a description of activities implemented at the countywide and/or regional level.

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

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

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

Comments: NA

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

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

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

Comments: NA

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: NA

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

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

C.2.f. ► Corporation Yard BMP Implementation

Place an X in the boxes below that apply to your corporations yard(s):

<input type="checkbox"/>	We do not have a corporation yard
<input type="checkbox"/>	Our corporation yard is a filed NOI facility and regulated by the California State Industrial Stormwater NPDES General Permit
<input checked="" type="checkbox"/>	We have a Stormwater Pollution Prevention Plan (SWPPP) for the Corporation Yard(s)

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

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

Comments:

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

Corporation Yard Name	Inspection Date (1x/year required)	Inspection Findings/Results	Follow-up Actions
City of Palo Alto MSC	9/16/2015	Small amount of trash and debris on ground near south end of property. Recent small oil spill near emergency generators. Leaf and sediment debris at some storm drain inlets throughout yard. Uncovered floor cleaning equipment stored outside. Storage of miscellaneous vehicle parts on ground near north side of property.	Remove all loose trash and debris. Clean up oil spill. Pick up leaf and sediment debris around inlets. Cover or move to approved location. Remove miscellaneous vehicle parts.
City of Palo Alto MSC	9/28/2015	All previous issues noted on 9/16/2015 inspection have been addressed for compliance. No new issues observed	N/A

		at this time.	
MSC Garage	10/15/2015	No issues observed	N/A
MSC Garage	4/28/2016	No issues observed	N/A

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

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

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

Summary:

- 1) Municipality's legal authority to implement C.3: The City of Palo Alto has adequate legal authority to implement all of the requirements of provision C.3. Palo Alto Municipal Code Chapter 16.11 (Storm Water Pollution Prevention) was amended in December 2010 to comply with the requirements of MRP Section C.3. The prohibition of use of architectural copper is in Palo Alto Municipal Code Section 16.09.180 (b)(14), which is part of the Sewer Use Ordinance. In addition, Palo Alto Municipal code Chapter 16.09 includes requirements for stormwater pollution prevention, such as for automotive, industrial, and food service facilities, swimming pool discharges, fire sprinkler test water, trash enclosure requirements, and storm drain stenciling.
- 2) Municipality's development review and permitting procedures, including use of conditions of approval or other enforceable mechanisms: The City of Palo Alto has adequate procedures to impose conditions of approval to implement Provision C.3. Storm water requirements for land development projects are reviewed and enforced by Public Works Engineering staff. Conditions of approval, including elements required by the City's storm water ordinance, are imposed on permit applicants during the discretionary permitting process (architectural and planning review) and the building permit process. Permits are not issued until the project drawings have been modified to comply with the conditions of approval. Starting in February 2011, applicants for projects that trigger the storm water treatment requirements have been required to submit their plans and calculations via an independent, third-party reviewer to verify full compliance with the City's storm water pollution prevention ordinance. The third-party reviewer must sign and stamp a certification statement that the project drawings and sizing calculations are in compliance with the ordinance.
- 3) How water quality effects and mitigation measures are addressed in environmental reviews (e.g., CEQA): Environmental assessments of land development projects are conducted using the State of California's standard Environmental Impact Assessment checklist. Planning staff or designated consultants review water quality impacts (construction stage and post-construction) of land development projects as part of their environmental assessment process. Section C.3 of the Municipal Regional Permit, the State of California General Permit for Storm Water Discharges Associated with Construction Activity, and Palo Alto Municipal Code Chapter 16.11 (Storm Water Pollution Prevention) provide the benchmark for the analysis of potential water quality impacts and related mitigation measures. The standard CEQA checklist used includes C.3 and stormwater issues in both the biological resources and hydrology and water quality sections.
- 4) C.3 training for appropriate departments: Staff in the Public Works Engineering and Planning Divisions received training on the latest requirements of Section C.3 of the Municipal Regional Permit and Palo Alto Municipal Code Chapter 16.11 (Storm Water Pollution Prevention) during the reporting year, through attendance at Program-sponsored training workshops or staff briefings. The City is in the process of developing additional internal training materials for new staff as well as applicants via development of a checklist.
- 5) Outreach/education efforts to staff, developers, contractors, construction site operators and owner/builders: Fact Sheets on 1) Third-Party Review of Storm Water Treatment Measures and 2) the New Storm Water Regulations Effective December 1, 2011 have been posted on the City's web site and distributed to contractors and developers at the City's Development Center.
- 6) How your municipality encourages site design measures at unregulated projects subject to Planning/Building Department review: During review of planning entitlement and building permit applications, staff reviews potential site design measures with the permit applicants using a checklist. BASMAA prepared standard specifications in four fact sheets regarding the site design measures listed in Provision C.3.i, as a

resource for Permittees. We have modified local ordinances/policies/procedures and forms/checklists to require all applicable projects approved after December 1, 2012 to implement at least one of the site design measures listed in Provision C.3.i. Palo Alto also incorporated this requirement into the Conditions of Approval issued to applicants during the discretionary review process as well as requiring implementation of these elements during building permit review. In addition, Palo Alto's Zoning ordinance for the R-1 zone has had the following requirement since 2005: (Section 18.12(h)) states: Minimum Permeable Surface in Front Yard and A minimum of 60% of the required front yard shall have a permeable surface that permits water absorption directly into the soil. Provided, all sites may have an impervious 16' x 20' driveway and an impervious 4' x 20' walkway within the front yard setback. In addition, the City of Palo Alto has a stormwater rebate program to encourage installation of rain barrels, cisterns, green roofs, and pervious pavements at residential and commercial sites.

7) How your municipality encourages source control measures at unregulated projects subject to Planning/Building Department review: During review of planning entitlement and building permit applications, staff reviews potential source control measures with the permit applicants using a checklist. Public Works Watershed Protection staff comments on requirements of the Sewer Use Ordinance, which includes storm drain stenciling, appropriate outdoor storage, covered trash enclosures, prohibitions for washing floor mats and equipment outside, plumbing swimming pools, fire sprinklers, covered parking areas, and wash areas to the sanitary sewer, etc.

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: The City's Comprehensive Plan last updated in 2007 includes water quality/watershed protection, habitat, and sustainability principles and policies. The Comprehensive Plan is currently being updated and staff is working on including additional policies, including policies supporting green stormwater infrastructure.

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

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

C.3.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 Palo Alto is following the design specifications included in the SCVURPPP C.3 Stormwater Handbook, revised June 2016.

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"/>	Yes	<input checked="" type="checkbox"/>	No
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Comments (optional): The alternative compliance option is available per the municipal code.

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"/>	Yes	<input checked="" type="checkbox"/>	No
2. In FY 2015-16, has your agency granted final discretionary approval to a Special Project? If yes, include the project in both the C.3.b.iv.(2) Table, and the C.3.e.v. Table.	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No

If you answered "Yes" to either question,
 1) Complete Table C.3.e.v.
 2) Attach narrative discussion of 100% LID Feasibility or Infeasibility for each project.

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

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

See attached Table **C.3.h.v.(2)** for list of newly installed Stormwater Treatment Systems/HM Controls.

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

Option 1 – Reporting Site Inspections	Number/Percentage
Total number of Regulated Projects (including offsite projects, and Regional Projects) in your agency’s database or tabular format at the end of the previous fiscal year (FY14-15)	68
Total number of Regulated Projects (including offsite projects, and Regional Projects) in your agency’s database or tabular format at the end of the reporting period (FY 15-16)	73
Total number of Regulated Projects (including offsite projects, and Regional Projects) for which O&M verification inspections were conducted during the reporting period (FY 15-16)	64
Percentage of the total number of Regulated Projects (including offsite projects, and Regional Projects) inspected during the reporting period (FY 15-16)	94% ¹
Option 2 – Reporting Stormwater Treatment System Inspections	
Total number of stormwater treatment and HM systems in your agency’s database or tabular format at the end of the previous fiscal year (FY 14-15)	
Total number of stormwater treatment systems in your agency’s database or tabular format at the end of the reporting period (FY 15-16)	
Total number of stormwater treatment and HM systems inspected in the reporting period (FY 15-16)	
Percentage of stormwater treatment and HM systems inspected in the reporting period (FY 15-16)	2

¹ Based on the number of Regulated Projects in the database or tabular format at the end of the previous fiscal year (FY 14-15), per MRP Provision C.3.h.ii.(6)(b).

² 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:

City staff inspected all stormwater systems this year, except those at single family residences that were originally part of larger development which implemented C.3 and which do not have an HOA. These few facilities will be inspected every other year. Storm water treatment devices at inspected facilities are generally performing well and are being adequately maintained by the facility owners.

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

Summary: The City of Palo Alto storm water treatment systems O&M verification inspection program continues to be effective in inspections and associated fees per signed individual maintenance agreements. Effective February 1, 2011, revisions to the Palo Alto Municipal Code Section 16.11.030(f) (Storm Water Pollution Prevention) require permit applicants to retain an independent 3rd party to visit the project site within 45 days following installation of the storm water treatment controls to verify that the controls have been installed in accordance with the approved plans. Public Works Engineering Services has contracted with Eisenberg, Olivieri, and Associates (EOA) to conduct a review of the Public Works land development review processes, including the inspection process, to ensure that it accomplishes the inspection of required treatment measures in a complete, efficient, and effective manner in conformance with the requirements of the MRP.

Palo Alto currently inspects stormwater treatment systems or HM controls more frequently than required to ensure property managers are aware of the requirements.

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:

BASMAA prepared standard specifications in four fact sheets regarding the site design measures listed in Provision C.3.i, as a resource for Permittees. We have modified local ordinances/policies/procedures and forms/checklists to require all applicable projects approved after December 1, 2012 to implement at least one of the site design measures listed in Provision C.3.i.

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:

City of Palo Alto staff have attended training on green infrastructure both through the Program as well as at meetings with appropriate departments. City staff held at least three internal meetings discussion the green stormwater infrastructure requirements and goals, with one focused on developing a list of early implementation opportunities. 12 staff from various departments attended the SCVURPPP GI workshop on 4/25/2016 and 22 staff from various departments attended the C.3 Workshop on June 9, 2016.

City of Palo Alto and Program staff presented to the Storm Drain Blue Ribbon Committee, a citizen committee to re-issue the City's storm drain funding through a ballot initiative. The committee was very interested in green stormwater infrastructure and included recommendation for a specific funding line-item in their report to the City Council. At the City Council meeting, staff as well as committee members presented on the importance of green stormwater infrastructure. The City's mayor called the recommendations transformative and council members were in favor of finding opportunities for green stormwater infrastructure implementation as well as the specific line item.

Please refer to the SCVURPPP FY 15-16 Annual Report for a summary of outreach efforts implemented by the Program.

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

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

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

Background Information:

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

City of Palo Alto staff used BASMAA "Guidance for Identifying Green Infrastructure Potential in Municipal Capital Improvement Program Projects" (May 6, 2016) for guidance on identifying and reviewing potential green infrastructure projects.

Summary of Planning or Implementation Status of Identified Projects:

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

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 ⁹ , Street Address	Name of Developer	Project Phase No. ¹⁰	Project Type & Description ¹¹	Project Watershed ¹²	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft ²) ¹³	Total Replaced Impervious Surface Area (ft ²) ¹⁴	Total Pre- Project Impervious Surface Area ¹⁵ (ft ²)	Total Post- Project Impervious Surface Area ¹⁶ (ft ²)
Private Projects											
1050 Page Mill Rd	1000, 1100, 1200 and 1250 Page Mill Rd	Board of Trustees of the Leland Stanford Junior University	NA	4 new 2- story office buildings with basements	Matadero Creek	13.5	13.5	0	412,713	457,425	412,713
500 University	500 University	Palo Alto Improvement Co	NA	New 3 story office / retail building with below grade parking	San Francisquito Creek	0.38	0.38	0	16,606	16,606	16,606
430 Forest Ave	430 Forest Ave	Sageleaf Forest LLC	NA	new 3-story bldg with 10 apartments, two 2-story buildings for 2 townhouses over a below ground	San Francisquito Creek	0.52	0.52	0	17,604	21,605	17,604

⁹Include cross streets

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

¹¹Project 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.

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

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

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

¹⁵For redevelopment projects, state the pre-project impervious surface area.

¹⁶For redevelopment projects, state the post-project impervious surface area.

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

Project Name Project No.	Project Location ⁹ , Street Address	Name of Developer	Project Phase No. ¹⁰	Project Type & Description ¹¹	Project Watershed ¹²	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft ²) ¹³	Total Replaced Impervious Surface Area (ft ²) ¹⁴	Total Pre- Project Impervious Surface Area ¹⁵ (ft ²)	Total Post- Project Impervious Surface Area ¹⁶ (ft ²)
				garage							
2626 Hanover	2626 Hanover	Tenant Marcus & Millichap	NA	Tenant improvement of an existing office building and site improvements	Matadero Creek	0.99	0.25	1,930	32,950	32,950	34,880
3170 Porter Drive	3170 Porter Drive	Board of Trustees of the Leland Stanford Junior University	NA	2-story core shell commercial building with below grade parking	Matadero Creek	4.64	4.44	0	141,773	147,670	141,773
3421 Hillview	3421 Hillview	VM Ware	NA	New 2-story office bldg	Matadero Creek	3.67	3.67	20,249	89,706	89,706	109,955
777 Welch Road	777 Welch Road	Board of Trustees of the Leland Stanford Junior University	NA	3-story commercial building	San Francisquito Creek	1.62	1.62	0	52,188	54,454	52,188
Public Projects											
No public projects this reporting period											
Comments:											

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

Project Name Project No.	Application Deemed Complete Date ¹⁷	Application Final Approval Date ¹⁸	Source Control Measures ¹⁹	Site Design Measures ²⁰	Treatment Systems Approved ²¹	Type of Operation & Maintenance Responsibility Mechanism ²²	Hydraulic Sizing Criteria ²³	Alternat ive Compli ance Measur es ^{24/25}	Alternative Certification ²⁶	HM Controls ^{27/28}
Private Projects										
1050 Page Mill	7/6/2015	2/10/2016	beneficial landscaping; covered drains for loading docks	minimum land disturbance; minimize impervious surfaces; self treating self retaining	Bioretention area	storm water treatment maintenance agreement with owner/developer to be recorded	2C	NA	Third party certification, Caitlin Gilmore, Schaaf and Wheeler	NA
500 University	11/27/2013	9/17/2015	maintenance and storm	Minimum-impact street or	Media filter	storm water treatment maintenance	2C	NA	Third party certification	NA

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

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

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

²⁰List 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.

²¹List 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.).

²²List 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.

²³See 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).

²⁴For 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.

²⁵For 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.

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

²⁷If HM control is not required, state why not.

²⁸If HM control is required, state control method used (e.g., method to design and size device(s) or method(s) used to meet the HM Standard, and description of device(s) or method(s) used, such as detention basin(s), bioretention unit(s), regional detention basin, or in-stream control).

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

Project Name Project No.	Application Deemed Complete Date ¹⁷	Application Final Approval Date ¹⁸	Source Control Measures ¹⁹	Site Design Measures ²⁰	Treatment Systems Approved ²¹	Type of Operation & Maintenance Responsibility Mechanism ²²	Hydraulic Sizing Criteria ²³	Alternat ive Compli ance Measur es ^{24/25}	Alternative Certification ²⁶	HM Controls ^{27/28}
			drain labeling	parking lot design; disconnect ed downspout s		agreement with owner/developer to be recorded			, TBD	
430 Forest Ave	6/3/2015	3/30/2016	Covered dumpster area	Minimize impervious surfaces, disconnect ed downspout s	Flow-through planter, biotreatment area	storm water treatment maintenance agreement with owner/developer to be recorded	2C	NA	Third party certification	NA
2626 Hanover Street	2626 Hanover Street	3/15/16	Covered dumpster area, beneficial landscapi ng, maintena nce, storm drain labeling	Minimize land disturbanc e, street design, cluster structures, disconnect ed downspout s	Bioretention area	Stormwater treatment maintenance agreement with owner/developed to be recorded	2C	NA	Third party certification , Schaaf and Wheeler	NA
3170 Porter Drive	11/17/2015	4/27/2016	Beneficial landscapi ng, storm drain labeling	Minimize land disturbanc e, street design/par	Bioretention area, flow- through planter	Stormwater treatment maintenance agreement with owner/developed	3	NA	Third party certification Schaaf and Wheeler	NA

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 ¹⁷	Application Final Approval Date ¹⁸	Source Control Measures ¹⁹	Site Design Measures ²⁰	Treatment Systems Approved ²¹	Type of Operation & Maintenance Responsibility Mechanism ²²	Hydraulic Sizing Criteria ²³	Alternat ive Compli ance Measur es ^{24/25}	Alternative Certification ²⁶	HM Controls ^{27/28}
				kinglot, roof downspout s to parking lot		to be recorded				
3421 Hillview Ave	12/4/2014	5/17/2016	Covered dumpster area	Roof downspout s drain to landscapin g	Infiltration trench/basin	Stormwater treatment maintenance agreement with owner/developed to be recorded	2C	NA	Third party certification Schaaf and Wheeler	Applies Methods: infiltration trench/ basin
777 Welch Road	9/2/2014	12/18/2015	Beneficial landscapi ng, storm drain labeling	Minimize impervious surfaces	Bioretention area, flow through planter	Stormwater treatment maintenance agreement with owner/developed to be recorded	2C	NA	Third party certification	NA

Permittee Name: _____

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 ²⁹	Date Construction Scheduled to Begin	Source Control Measures ³⁰	Site Design Measures ³¹	Treatment Systems Approved ³²	Operation & Maintenance Responsibility Mechanism ³³	Hydraulic Sizing Criteria ³⁴	Alternative Compliance Measures ^{35/36}	Alternative Certification ³⁷	HM Controls ^{38/39}
Public Projects										
No new public projects for this reporting period										
Comments:										

²⁹For public projects, enter the plans and specifications approval date.

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

³¹List 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.

³²List 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.).

³³List 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.

³⁴See 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).

³⁵For 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.

³⁶For 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.

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

³⁸If HM control is not required, state why not.

³⁹If 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 Installed⁴⁰ Stormwater Treatment Systems and Hydromodification Management (HM) Controls (Optional)

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

Name of Facility	Address of Facility	Party Responsible ⁴¹ For Maintenance	Type of Treatment/HM Control(s)
1400 Page Mill Road	1400 Page Mill Road	Hanover Page Mill Associates	Bioretention
El Camino Park	103 El Camino	City of Palo Alto	Porous Pavement, drain insert
Clement Hotel	711 El Camino	Clement Hotel General Manager	Planter Boxes
611 Cowper	611 Cowper	Premier Properties – property manager	Planter boxes, infiltration trench
Mitchell Park Library	2700 Middlefield Road	City of Palo Alto	Bioretention, green roof, porous pavement
Rinconada Library	1213 Newell	City of Palo Alto	bioretention
Southgate Neighborhood Green Stormwater Infrastructure Project	Southgate neighborhood	City of Palo Alto	Bioretention, porous pavement

⁴⁰ “Newly Installed” includes those facilities for which the final installation inspection was performed during this reporting year.

⁴¹ 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 ⁴²	Status ⁴³	Description ⁴⁴	Site Total Acreage	Gross Density DU/Acre	Density FAR	Special Project Category ⁴⁵	LID Treatment Reduction Credit Available ⁴⁶	List of LID Stormwater Treatment Systems ⁴⁷	List of Non-LID Stormwater Treatment Systems ⁴⁸
500 University	Palo Alto	500 University	10/16/2014	Under construction	New 3 story office / retail building with below grade parking	0.38	NA	1.61	Category A: Infill	Category A	28% of site runoff to flow through planter, which will then go to a media filter on-site	100% of site runoff to a media filter. Certified by Washington State Department of Ecology (TAPE)

⁴²Date that a planning application for the Special Project was submitted.

⁴³Indicate 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.

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

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

⁴⁶For 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.

⁴⁷: 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.

⁴⁸List 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

500 University Ave

1. Feasibility/Infeasibility of Onsite Infiltration, Evapotranspiration, and Harvesting/Use

The Countywide Program's infiltration/harvesting and use feasibility screening worksheet and rainwater harvesting and use worksheet were completed for the project. The results of this analysis showed that it was infeasible to treat the C.3.d amount of runoff with infiltration or harvesting and use.

2. Feasibility/Infeasibility of Onsite LID Treatment

The project site was reviewed with regard to the feasibility and infeasibility of LID onsite treatment. The results of this review showed that it was infeasible to treat 100 percent of the C.3.d amount of runoff with LID treatment. The findings of this review are presented below.

- a. On-site Drainage Conditions. 100% of the project site (100% permanent structure) runoff will be collected and drained to a media filter on-site. 28% of the project site (47% of the roof runoff) will be drained to a flow-through planter, which will be collected and drained to a media filter on-site for second treatment.
- b. Self-treating and Self-Retaining Areas and LID Treatment Measures. Flow-through planter will be designed in accordance with Chapter 6.2 of the C.3 Stormwater Handbook, updated April 2012. Treatment will be provided through an 18" layer of loamy sand and collected through a 12" thick layer of drain rock before collection and discharge through a subdrain pipe. The discharge will be piped to a media filter on-site for second treatment.
- c. Maximizing Flow to LID Features and Facilities. 4,596 square feet (28% of the project site) of the building roof runoff will be gravity flowed to a flow-through planter placed on the at-grade garage podium deck. The discharge from the flow-through planter will be piped to a media filter on-site for second treatment.
- d. Constraints to Providing On-site LID. The drainage management areas that are proposed to drain to tree-box type high flow rate biofilters and/or vault-based high flow rate media filters include some areas of the podium deck that are not covered by building and building roof. 100% of the project site is covered by permanent structure. In these areas, conditions and technical constraints are present that preclude the use of LID features and facilities, as described below.
 - i. Impervious paved areas: 100% of the project site will be covered by a permanent structure (podium structure above two-level below-grade parking garage). The project has identified one location where a flow-through planter can treat 47% of the building roof. The discharge from the flow-through planter will be piped to a media filter on-site for second treatment.
 - ii. Landscaped areas: Lack of head or routing path to move collected impervious runoff to the landscaped area.

3. Feasibility/Infeasibility of Off-Site LID Treatment. The possibility of providing off-site LID treatment was found to be infeasible the following reasons:

- i. The property owner does not own or otherwise controls land within the same watershed of the project that can accommodate in perpetuity off-site bioretention facilities adequately sized to treat the runoff volume of the primary project.

C.3.j.ii.(2) ► Table A - Public Projects Reviewed for Green Infrastructure				
Project Name and Location ⁴³	Project Description	Status ⁴⁴	GI Included? ⁴⁵	Description of GI Measures Considered and/or Proposed or Why GI is Impracticable to Implement ⁴⁶
Newell Road/San Francisquito Creek Bridge Replacement	Replacement of a bridge	Design Phase (?)	TBD	bioretention cells (bulb outs) will be considered
Bicycle and Pedestrian Plan Improvements	Various projects	Phased	TBD	Bioretention cells (bulb outs) will be considered.
Highway 101 Pedestrian overpass	Construction of a new overpass	Beginning design	TBD	Bioretention cells may be considered as part of the design

C.3.j.ii.(2) ► Table B - Planned Green Infrastructure Projects			
Project Name and Location ⁴⁷	Project Description	Planning or Implementation Status	Green Infrastructure Measures Included
Southgate Neighborhood	Storm drain improvement project for Southgate neighborhood	Construction completed in 2015	Bioretention cells and pervious cross walks
Charleston/Arastradero Corridor Project	Bicycle and pedestrian safety improvements	In design, construction planned for 2017-20	This project will include green stormwater infrastructure elements including pervious pavement for a bike path and a rain garden/bioretention bulb outs
El Camino Real and Churchill Intersection Improvements	Bicycle and pedestrian safety improvements and trail connections	Construction 2016/17	Bioretention curb extension
Quarry Road and Transit Center access	New bikepath	Construction 2016/17	Pervious concrete used for bikepath

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

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

⁴⁵ 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.

⁴⁶ 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.

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

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

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

Summary:
 The City actively participated in the Program’s Industrial and Commercial Ad Hoc Task Group (IND AHTG). The City has updated its business inspection plan and facilities lists and conducted staff training on the new MRP as well as the business inspection plan and Enforcement Response Plan.
 The City of Palo Alto continues to implement an aggressive industrial and commercial inspection program:

- All inspections of industrial and commercial facilities include both stormwater and wastewater components
- The facility inspection list is continuously updated as new businesses go through the development review process or staff becomes aware
- All inspection staff attended the Program’s annual training

Please refer to the C.4. Industrial and Commercial Site Controls section of the SCVURPPP FY 15-16 Annual Report for a description of Program activities and/or the BASMAA Municipal Operations Committee.

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.

Facility data, status, and inspection results are stored in a database. The list of facilities was updated based on the inspections. A list of the facilities subject to periodic inspections is attached as Appendix 4-1.

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

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

	X	Permittee reports multiple discrete violations on a site as one violation.
		Permittee reports the total number of discrete violations on each site.
		Number
		Percent
Number of businesses inspected		211
Total number of inspections conducted		356
Number of violations (excluding verbal warnings)		6
Sites inspected in violation		6 3%

Violations resolved within 10 working days or otherwise deemed resolved in a longer but still timely manner	4	67%
<p>Comments:</p> <p>“Sites inspected in violation” reflects the number of sites that received a written warning (Level 2 or 3 enforcement) during a site inspection. Multiple discrete violations on a site during one inspection are counted as one violation.</p> <p>The six sites (excluding verbal warnings) in violation were 1 automotive facility, 3 industrial facilities and 4 restaurants. Reinspection occurred within 10 business days or sooner except when longer time frames were given in the notices of non-compliance. These facilities were inspected on the due dates. For example, one facility was asked to fix rooftop equipment which took a longer time. Two facilities did not get reinspected within 10 days (one restaurant and one industrial). For these two facilities, the re-inspection conducted was after the 10 days or was not performed. Additional staff training was conducted to ensure that facilities with violations are re-inspected.</p> <p>The City inspects all facilities found with violations until violations are satisfactorily corrected, no matter how long it takes a facility to achieve compliance. Written notices include a due date for completing the corrections to violation found. The violations not corrected in a timely manner receive escalated enforcement actions as well as education to encourage the facility to comply.</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)	3
Potential discharge and other	69
<p>Comments:</p> <p>3 sites had actual discharges to Palo Alto MS4 storm drain and receiving waters:</p> <ul style="list-style-type: none"> • Restaurant facility – small amount of wash water • Automotive facility– discharge of soapy water from auto detailing. • Industrial – Graphite powder in waste water settling tank was accidentally plumbed to storm drain and likely discharged into local creek channel – Santa Clara Valley Water District was notified. <p>Of the 69 potential, 65 were food service facilities with outdoor trash area/storage/washing issues, two were automotive facilities and two were industrial facilities.</p>	

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) ¹	Number of Enforcement Actions Taken	% of Enforcement Actions Taken²
Level 1	Verbal Notice	65	92%
Level 2	Written Notice	3	4%
Level 3	Notice of Non-Compliance	2	3%
Level 4	Compliance Agreement, Criminal Citation, Civil Action	1	1%
Total		71	100%

¹Agencies to list specific enforcement actions as defined in their ERPs.

²Percentage 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 ³	Number of Actual Discharge Violations	Number of Potential/Other Discharge Violations
Automotive	1	2
Food Service	1	65
Industrial	1	2

C.4.d.iii.(1)(d) ▶ Non-Filers

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

Stangenes Industries Inc., located at 1066 E Meadow Circle, Palo Alto, California. Stangenes produces and re-builds electrical transformers and performs activities outside.

C.4.e.iii ▶ Staff Training Summary

Training Name	Training Dates	Topics Covered	No. of Industrial/Commercial Site Inspectors in Attendance	Percent of Industrial/Commercial Site Inspectors in Attendance	No. of IDDE Inspectors in Attendance	Percent of IDDE Inspectors in Attendance
IND / IDDE Training Roundtable	5/26/2016	MRP Update, State Industrial General Permit, and Illicit Discharge Inspection Basics	7	90%	7	90%
Business Inspection Plan	2/24/2016	MRP update (C.4 and C.5), Business Inspection Plan review	5	60%	5	60%

Comments:
 N/A

³List your Program's standard business categories.

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

Program Highlights and Evaluation
Highlight/summarize activities for reporting year:
Provide background information, highlights, trends, etc.
<p>Summary:</p> <p>The City actively participated in the Program’s IND/IDDE AHTG, including providing a training scenario for the county-wide inspector training. The City responds immediately to complaints of discharges. This year, the number of discharges reaching storm drains was similar to the previous year.</p> <p>The City screens its storm sewer collection system for illicit discharges and connections in conjunction with its ongoing maintenance program. Utilities and Public Works field crews call inspection staff for any issues observed in the field.</p> <p>Please refer to the C.5 Illicit Discharge Detection and Elimination section of the SCVURPPP FY 15-16 Annual Report for a description of activities at the countywide or regional level.</p>

C.5.c.iii ► Complaint and Spill Response Phone Number
List below or attach your complaint and spill response phone number
Please see Appendix 5-1
Provide your complaint and spill response web address, if used
Please see Appendix 5-1. http://cleanbay.org/files/docs/rwq-report-spills-r3.pdf The City of Palo Alto uses an App called Palo Alto 311 which can also be used for online reporting of threatened discharges. http://www.cityofpaloalto.org/services/paloalto311/default.asp
Is a screen shot of your website showing the central contact point attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If No, explain:
Provide a discussion of how the central contact point (complaint and spill response phone number and, if used, web address) is being publicized to your staff and the public.
The complaint and spill response number is publicized to staff through annual training on spill procedures. It is publicized to the public via the webpage. Each page on www.cleanbay.org links to the central phone number.

C.5.d.iii.(1), (2), (3) ► Spill and Discharge Complaint Tracking		
Spill and Discharge Complaint Tracking (fill out the following table or include an attachment of the following information)		
	Number	Percentage
Discharges reported (C.5.d.iii.(1))	12	
Discharges reaching storm drains and/or receiving waters (C.5.d.iii.(2))	1	8%
Discharges resolved in a timely manner (C.5.d.iii.(3))	12	100%
<p>Comments:</p> <p>The City tracks all complaints as individual cases. If a discharge cannot be found in the field, the database entry will show "complaint not found." In prior annual reports, the number of cases was higher due to logged inspections for trash booms in Adobe and Matadero Creeks. Such inspections are occurring weekly and are no longer logged in the database. Of the 12 cases, 5 are inspections for construction dewatering at small residential sites.</p> <p>Most complaints or spill reports are responded to immediately upon receiving the relevant information. Quick response time reduces the number of discharges reaching storm drains and/or receiving water and increases the chance of locating the spill, the source, and the responsible parties. Quick response by storm drain crews and enforcement staff also leads to faster resolution of problems and continued compliance.</p>		

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.
<p>The notification that the City's storm drain maps are available for public inspection at the Development Center is posted on the stormwater website:</p> <p>http://www.cityofpaloalto.org/gov/depts/pwd/stormwater/drains.asp</p>

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: The City has mapped all properties with 15% slope or greater to allow flagging them for inspections.		

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)
3	18	109
Comments: N/A		

C.6.e.iii.2.d ▶ Construction Activities Storm Water Violations		
BMP Category	Number of Violations¹ excluding Verbal Warnings	% of Total Violations²
Erosion Control	0	n/a
Run-on and Run-off Control	0	n/a
Sediment Control	0	n/a
Active Treatment Systems	0	n/a
Good Site Management	0	n/a
Non Stormwater Management	0	n/a
Total³	0	100%

¹Count 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.

²Percentage calculated as number of violations in each category divided by total number of violations in all six categories.

³The total number of violations may count more than one violation per inspection, since some inspections may result in violations in more than one category. For example, during one inspection of a site, there may have been both an erosion control violation and a sediment control violation. For this reason, the total number of violations in this table may not match the total number of enforcement actions reported in Table C6.e.iii.1.e.

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

	Enforcement Action (as listed in ERP) ⁴	Number Enforcement Actions Issued	% Enforcement Actions Issued ⁵
Level 1 ⁶		0	0%
Level 2		0	0%
Level 3		0	0%
Level 4		0	0%
Total			0%

C.6.e.iii.2.f, g ► Illicit Discharges

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

⁴Agencies should list the specific enforcement actions as defined in their ERPs.

⁵Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.

⁶For example, Enforcement Level 1 may be Verbal Warning.

C.6.e.iii.2.h, i ► Violation Correction Times		
	Number	Percent
Violations (excluding verbal warnings) fully corrected within 10 business days after violations are discovered or otherwise considered corrected in a timely period (C.6.e.iii.1.h)	0	% ⁷
Violations (excluding verbal warnings) not fully corrected within 30 days after violations are discovered (C.6.e.iii.1.i)	0	% ⁸
Total number of violations (excluding verbal warnings) for the reporting year ⁹	0	0%
Comments: No violations found this reporting year.		

C.6.e.iii.(4) ► Evaluation of Inspection Data
Describe your evaluation of the tracking data and data summaries and provide information on the evaluation results (e.g., data trends, typical BMP performance issues, comparisons to previous years, etc.).
Description: The City continues to use an electronic database to track construction inspections and associated data to meet the requirements of the Municipal Regional Permit and has implemented use of a field tablet for more efficient documentation of inspections. The number of sites slightly decreased compared to last year. The number of High Priority Sites reduced and the sites that disturbed more than 1 acre of soil remained the same. Most contractors are very aware of stormwater requirements and use the best available BMP materials and equipment to ensure compliant sites. Regular monthly SWPPP inspections remind contractors that the City is serious about unlawful discharges into the MS4 system.

C.6.e.iii.(4) ► Evaluation of Inspection Program Effectiveness
Describe what appear to be your program’s strengths and weaknesses, and identify needed improvements, including education and outreach.
Description: The City has conducted an aggressive storm water program for construction activities for 20 years. Regulations and BMPs are stressed during all phases from planning through completion and for all sizes of projects. The number and severity of violations observed over the years has decreased due to this consistent message and improved awareness within the construction industry as well as staff throughout the City.

⁷Calculated 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.
⁸Calculated 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.
⁹The 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.

The City continues to employ a dedicated storm water investigator and a significant portion of the position’s time is spent on construction site inspection at the known sites and field survey work. The investigator uses a tablet for more efficient recordkeeping as the number of sites and inspections increases. Other members of the Watershed Protection Group are cross-trained in these responsibilities and watch for issues throughout the City. Close cooperation with the Building, Planning, Utilities, and Public Works Engineering Services staff allows us to be aware of projects throughout the City and problems as they arise. The inspector uses regionally developed materials for inspection and education. The City recently adapted the BMP plan sheet for small developments for the City’s use. Procedures are being developed and the database is being updated to include hillside construction sites. City staff actively participates in the SCVURPPP Construction Inspection AHTG. Please refer to the C.6 Construction Site Control section of SCVURPPP FY 15-16 Annual Report) for a description of Program and regional activities.

C.6.f ► Staff Training Summary

Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance	
Construction Site Stormwater Compliance Training for Municipal Inspectors	1/20/2016 and 1/22/2016	MRP refresher, Construction BMPs and issues, Group exercise for determining inspection findings and appropriate enforcement actions.	4	

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

C.7.b.i.1 ► Outreach Campaign

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

Summary:

See Section 7 and Section 9 of the SCVURPPP FY 16-17 Annual Report for a description of activities conducted at Countywide level. In addition, the following separate reports developed by SCVURPPP summarize Countywide efforts conducted during FY 15-16:

- FY 15-16 Watershed Watch Campaign Annual Campaign Report
- FY 15-16 Watershed Watch Partner Report
- FY 15-16 Watershed Watch Web Statistics Report

These reports are included within the C.7 Public Information and Outreach section of the SCVURPPP FY 15-16 Annual Report.

July 2015

- Clean Bay Business Decals
- Groundwater pumping

August 2015

- Stormwater Plan Sheet “Pollution Prevention –It’s Part of the Plan”

September 2015

- Medicine Disposal utility bill insert
- Fall in Love With Your Fall Garden (IPM) electronic and print ads
- Love Our Bay (Pollution Prevention Week) print and online ads

October 2015

- Triclosan utility bill insert
- Med Disposal utility bill insert

November 2015

- Microbeads utility bill insert
- Where does our Water Go (stormwater and wastewater) utility bill inserts, print and online ads
- Holiday FOG disposal print and online ads
- Medicine Disposal utility bill insert, online and print ads, tear sheets distributed
- Pet Medicine Disposal Tear Sheets distributed

December 2015

- Litter print ad Palo Alto High School
- Medicine Disposal print and online ads
- Microbeads print and online ads

January 2016

- Wastewater, stormwater and recycled water video produced <https://www.youtube.com/watch?v=X-ezirRMZ8c>

February 2016

- Plastic Foam Ordinance outreach (letters, cards, FAQs)

March 2016

- Plastic Foam Ordinance outreach (letters, cards, FAQs–outreach spanned February and March of 2016)
- Smoking Ordinance outreach

April 2016

- Pool draining utility bill insert

May 2016

- Litter print ad Palo Alto High School
- Ant /IPM utility bill insert

C.7.c. Stormwater Pollution Prevention Education

The City of Palo Alto provides information via:

- **Mywatershedwatch.org** regional co-permittee outreach
- **Baywise.org** regional outreach through BASMAA
- cleanbay.org (provides stormwater and wastewater pollution prevention outreach to the City of Palo Alto and the Regional Water Quality Control Plant partner agencies of the East Palo Alto Sanitary District, Los Altos, Los Altos Hills, Mountain View and Stanford. This website provides access on each web page about who to contact for hazardous spills, illegal dumping, storm drain blockages, sanitary sewer backups or overflows. The site also provides extensive watershed characteristic and stormwater pollution prevention alternatives. This website receives on-going maintenance and is advertised via utility bill inserts, utility announcements, events, electronic and print advertising throughout the RWQCP area.
- **City of Palo Alto website:**
 - **Palo Alto 311** app and online reporting for stormdrain backups, flooding, hazardous material spills or threatened spills. http://www.cityofpaloalto.org/services/paloalto311/make_a_service_request.asp
 - The website links and integrates with cleanbay.org

<p>Local stormwater phone number(s)</p>	<ul style="list-style-type: none"> • General information: 650.329.2122 • Storm Drains Blockages: 650-329-2413 (24-hour line, or submit an online work request to Palo Alto 311.) • Hazardous Material Spills & Illegal Dumping in Storm Drains: 650-329-2413 (call this same number when improper storage may lead to a spill, or submit an online work request to Palo Alto 311.)
<p>Local/Regional stormwater website(s)</p>	<ul style="list-style-type: none"> • www.Cleanbay.org (includes who to call for spills as well as pollution prevention information) • www.Cityofpaloalto.org/gov/depts./pwd/stormwater/default.asp (includes creek monitor, CIP updates, storm drain map availability, etc.) • SCVURPPP's Watershed Watch Campaign website www.MyWatershedWatch.org
<p>Outreach: Local efforts to publicize stormwater point of contact is conducted through utility bill inserts, utility announcements, events, and electronic and print advertising throughout the RWQCP area.</p> <p>In addition, the C.7 Public Information and Outreach section of SCVURPPP 15-16 Annual Report describes efforts conducted by SCVURPPP to publicize stormwater points of contact. The Watershed Watch website is listed on all SCVURPPP outreach materials, including brochures, giveaways, and advertisements. Local stormwater phone numbers are listed on all outreach brochures, depending on space available.</p>	

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

Program staff, the Watershed Watch consultant, and Co-permittees staffed 10 public outreach events in FY 15-16. Events were selected based upon target audience and attendance. Materials distributed at the events included the following: Less Toxic Pest Management fact sheets, "10 Most Wanted Backyard Bugs" brochure, "Draining Pools & Spas" brochure, "You are the Solution to Water Pollution" brochure, "Clean Cars & Clean Creeks" brochure, "Mercury in Fish" brochure, and giveaways (e.g. flyswatters, drawstring backpacks, and temporary tattoos). The flyswatters have the Watershed Watch website and hotline number and the words "The Original Earth-Friendly Pest Control" printed on them. The Campaign also continued using QR codes ("Quick Response" codes) in printed materials. These codes have URLs embedded in them and when scanned with smart phones direct users to specific webpages. This was targeted at people that are reluctant to collect paper materials and only want to look up information online. The bean bag toss game for children was used at most of the events. Event staff distributed approximately 4,800 outreach materials and giveaways.

In addition, the Program provided funding for the following citizen involvement events:

- 1) National River Cleanup Day – The Program supports the involvement of Santa Clara County citizens by providing advertising support for the National River Clean-up Day.
- 2) Citizen involvement events at the Don Edwards San Francisco Bay Wildlife Refuge (Refuge) – A number of citizen involvement and stewardship programs are conducted as part of the Program funded Watershed Watchers Program at the Refuge. Participants usually work in the Refuge gardens planting native plants, pulling non-native plants, and mulching. More details are included in the Watershed Watchers Report in the Program Annual Report Appendix 7-7.

Event Details	Description (messages, audience)	Evaluation of Effectiveness
Name: 2015 Kids N Fun Festival Date: August 15, 2015 Location: Memorial Park, Cupertino Region: Countywide	Type of Event: Public outreach Audience: Families with children Message: Stormwater pollution prevention, less-toxic pest control, and water quality	General Feedback: This is a great event for educating families with children. The bean bag game was very popular with kids. Estimated Overall Event Attendance: 10,000 Number of Brochures/Flyers Distributed: 213 Number of Giveaways Distributed: 703 Number of Watershed Watch Discount Cards Distributed: 173 Number of kids that played the bean bag game: 523
Name: Pumpkins in the Park Date: October 10, 2015 Location: Guadalupe River Park/Discovery Meadow, San Jose Region: Countywide	Type of Event: Public Outreach Audience: Families with children Messages: Stormwater pollution prevention, less-toxic pest control, and proper disposal of HHW.	General Feedback: This is a great event for educating families with small children. As always, the bean bag game was very popular with the kids. Estimated Overall Event Attendance: 13,000-15,000 Number of Brochures/Flyers Distributed: 168 Number of Giveaways Distributed: 486 Number of Watershed Watch Discount Cards

		Distributed: 174 Number of kids that played the bean bag game: 402
Name: Watershed Watch "half-off" two hour Car Wash Event Date: October 21, 2015 Location: Westgate Classic Car Wash, 18560 Prospect Rd., Saratoga Region: Countywide	Type of Event: Public Outreach Audience: Car wash customers Messages: Stormwater pollution prevention and proper car washing.	General Feedback: This is an annual Watershed Watch event and offers a good opportunity to reach car wash customers. However, a lot of customers used the drive-through car wash lane. Event staff could not interact with these customers. Estimated Overall Event Attendance: 100 Number of Brochures/Flyers Distributed: 4 Number of Watershed Watch Discount Cards Distributed: 28
Name: Haunted History San Jose Date: October 31, 2015 Location: History Park, 635 Phelan Ave., San Jose Region: : Countywide	Type of Event: Public Outreach Audience: Families with children Messages: Stormwater pollution prevention, less-toxic pest control, and proper disposal of HHW	General Feedback: This event is a good place to reach families with young kids. The bean bag game was very popular with the kids. Estimated Overall Event Attendance: 500 Number of Brochures/Flyers Distributed: 104 Number of Giveaways Distributed: 760 Number of Watershed Watch Discount Cards Distributed: 173 Number of kids that played the bean bag game: 337
Name: Mission College Eco Fair Date: April 21, 2016 Location: Mission College Campus, Santa Clara Region: : Countywide	Type of Event: Public Outreach Audience: Young adults, students Messages: Stormwater pollution prevention and proper disposal of HHW	General Feedback: The event is a good place to reach young adults. Event organizers provided the students a questionnaire that they could complete by visiting booths, and earn extra credit. This led to increased participation and engagement. Estimated Overall Event Attendance: 700 - 800 Number of Brochures/Flyers Distributed: 78 Number of Giveaways Distributed: 124 Number of Watershed Watch Discount Cards Distributed: 22

<p>Name: Watershed Watch “half-off” two hour Car Wash Event Date: April 27, 2016 Location: Robertsville Classic Car Wash, 5005 Almaden Exp., San Jose Region: Countywide</p>	<p>Type of Event: Public Outreach Audience: Car wash customers Messages: Stormwater pollution prevention and proper car washing.</p>	<p>General Feedback: Attendance at the event was lower than usual because of inadequate promotion by the radio station and a forecast of rain. Estimated Overall Event Attendance: 18 Number of Watershed Watch Discount Cards Distributed: 10</p>
<p>Name: Fit & Fun Earth Day Fair Date: April 30, 2016 Location: Columbia Neighborhood Center, 785 Morse Ave., Sunnyvale Region: Countywide</p>	<p>Type of Event: Public Outreach Audience: Families with children. Message: Stormwater pollution prevention, less-toxic pest control, and proper disposal of HHW.</p>	<p>General Feedback: This is a very popular and well-attended event and offers a good opportunity to reach families. Estimated Overall Event Attendance: 2,000 Number of Brochures/Flyers Distributed: 170 Number of Giveaways Distributed: 491 Number of Watershed Watch Discount Cards Distributed: 97 Number of kids that played the bean bag game: 204</p>
<p>Name: Festival in the Park Date: June 4, 2016 Location: Hellyer County Park, 985 Hellyer Ave., San Jose Region: Countywide</p>	<p>Type of Event: Public Outreach Audience: Families with children. Message: Stormwater pollution prevention, less-toxic pest control, and proper disposal of HHW.</p>	<p>General Feedback: Lower attendance than usual, likely due to very high temperatures that day. This event is great for reaching Spanish speaking segments of the population. Estimated Overall Event Attendance: 2,000 Number of Brochures/Flyers Distributed: 139 Number of Giveaways Distributed: 392 Number of Watershed Watch Discount Cards Distributed: 236 Number of kids that played the bean bag game: 74</p>
<p>Name: Watershed Watch “half-off” two hour Car Wash Event Date: June 8, 2016 Location: Capitol Premier Car Wash, 735 Capitol Expressway Auto Mall, San Jose Region: Countywide</p>	<p>Type of Event: Public Outreach Audience: Car wash customers Messages: Stormwater pollution prevention, proper car washing.</p>	<p>General Feedback: The event was well attended. It is an annual Watershed Watch event and offers a good opportunity to reach car wash customers. Estimated Overall Event Attendance: 100 Number of Brochures/Flyers Distributed: 120 Number of Watershed Watch Discount Cards Distributed: 100</p>

<p>Name: Watershed Watch “half-off” two hour Car Wash Event Date: June 22, 2016 Location: Delta Queen Classic Car Wash, 981 E Hamilton Avenue, Campbell Region: Countywide</p>	<p>Type of Event: Public Outreach Audience: Car wash customers Messages: Stormwater pollution prevention, proper car washing.</p>	<p>General Feedback: The event was well attended. It is an annual Watershed Watch event and offers a good opportunity to reach car wash customers. Estimated Overall Event Attendance: 120 Number of Brochures/Flyers Distributed: 79 Number of Watershed Watch Discount Cards Distributed: 73</p>
<p>Name: Summer of Service Program Dates: 7/8/15, 7/29/15, 6/22/16, 6/28/16 Location: Don Edwards Wildlife Refuge, Alviso Region: Countywide</p>	<p>Type of Event: Citizen Involvement Description/Audience: Partnership program between the Children’s Discovery Museum (CDM) and the Watershed Watchers program. Youth spend a day at the Refuge and they work in the gardens in the morning and explore the Refuge in the afternoon. Messages: Stormwater pollution prevention, sustainable gardening</p>	<p>General Feedback – The continued participation of CDM indicates the success of this program. Overall Attendance - The Summer of Service program reached a total of 54 attendees, including 50 middle school students and 4 adults.</p>
<p>Name: Stewardship Programs - Gardening Without Chemicals Dates: 7/8/15, 7/29/15, 12/8/15, 12/11/15, 12/19/15, 1/23/16, 1/30/16, 2/20/16, 2/27/16, 3/9/16, 4/10/16 Location: Don Edwards Wildlife Refuge, Alviso Focus: Countywide</p>	<p>Type of Event: Citizen Involvement Description/Audience: Stewardship programs are conducted on open days for schools groups and the general public to work in the gardens planting native plants, pulling non-native plants, and mulching. Messages: Stormwater pollution prevention, sustainable gardening</p>	<p>General Feedback – A large number of youth and adults continued to participate in stewardship programs this year. Overall Attendance – Stewardship programs reached a total of 115 attendees, including 27 elementary school students, 23 middle school students, 33 high school students, and 32 adults.</p>
<p>Name: California Coastal Cleanup Day Date: 9/19/15 Location: Various locations throughout the County Focus: Countywide</p>	<p>Type of Event: Citizen Involvement Description: The Creek Connections Action Group coordinated the California Coastal Cleanup Day on September 19, 2015. The Program promoted the event on its website and social media sites.</p>	<p>On California Coastal Cleanup Day, a total of 1,829 volunteers participated in cleaning 50 sites and removed approximately 50,000 pounds of trash and 2,868 pounds of recyclables from creeks.</p>
<p>Name: National River Cleanup Day Date: 5/21/16 Location: Various locations throughout the County Focus: Countywide</p>	<p>Type of Event: Citizen Involvement Description: The Creek Connections Action Group coordinated the National Rivers Cleanup Day on May 21, 2016. The Program provided funding for National Rivers Clean-up Day advertising.</p>	<p>On National River Cleanup Day, a total of 1,124 volunteers participated in cleaning 43 sites and removed approximately 30,292 pounds of trash and 3,135 pounds of recyclables from creeks.</p>

A selection of City of Palo Alto outreach efforts in 2015 – 2016 is listed below:		
Name: Palo Alto City staff training – WGW, Utilities and PWD groups Date: July 16, 2015 Location: RWQCP Region: City	Type of Event: BMP & Hazardous Waste training Audience: City staff Messages: stormwater pollution prevention and how to deal with hazardous waste	General Feedback: Well received and appreciated Estimated Event Attendance: 20 employees
Name: Coastal Clean Up Day Date: September 19, 2015 Location: Matadero and Adobe Creek Region: Palo Alto	Type of Event: Volunteer Clean up Audience: public Messages: litter prevention	General Feedback: Well received and appreciated Volunteers received T-shirts Attendance: 31
Name: YMCA, City of Palo Alto & Stanford Community Health Fair Date: September 26, 2015 Location: Mitchell Park Library and Community Center Region: Palo Alto	Type of Event: Tabling Event Audience: public Messages: pollution prevention (stormwater and wastewater)	Information on personal care topics incl. antibacterial products, wipes and microbeads/ personal bars of hand soaps given Attendance: about 700 people
Name: Employee Health and Wellness Fair Date: September 30, 2015 Location: Palo Alto Region: Palo Alto	Type of Event: Tabling Event Audience: City employees Messages: stormwater pollution prevention (wheel-o-trash game)	Triclosan & microbeads information given, hand sanitizers and mini soap bars given out Attendance: about 300 employees
Name: Fall Garden Pest Prevention Date: October 3, 2015 Location: common Ground Region: Palo Alto	Type of Event: IPM workshop Audience: public Messages: fall-relevant pests, including how ants can help in the garden	Attendance: 20 people
Name: Palo Alto High School Get Involved Mentoring Program Date: October 4, 2015 (Kick off) to January 28, 2016 Location: Palo Alto High School Region: Palo Alto	Type of Event: kick off to high school mentoring program Audience: students Messages: student involvement on pollution prevention programs, specifically web page and storm drain stenciling	Attendance: up to 6 people
Name: Healthy Buildings-Healthy Families DPR IPM Pilot Project Dates: 11/30, 12/7, 12/12, 12/18, Location: Palo Alto Region: Palo Alto	Type of Event: IPM workshop	Materials: door hangers, Pest ID cards, cleaning supplies, new complex vacuum cleaner Attendance: 9 residents, 2 professionals

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Name: Environmental Volunteers Holiday Event Date: December 13, 2015 Location: Palo Alto Region: Palo Alto	Type of Event: private event Messages: healthy cleaning class	Materials: spray bottles and information on healthy cleaning Attendance: 20 people
Name: Trash Clean up Date: December 17, 2015 Location: Palo Alto Region: Palo Alto	Type of Event: community trash clean up Palo Alto staff provided tools and information for clean up by local company (Ezclean)	Positive feedback received Attendance: 16 people
Name: Jordan Middle School Science Fair Date: January 14, 2016 Location: Jordan Middle School, Palo Alto Region: Palo Alto	Type of Event: tabling at science fair Messages: Zero Waste, microbeads, litter prevention, Wheel-o-Trash game	Positive feedback received Attendance: 600 students/parents
Name: SummerWinds Nursery IPM staff workshop Date: February 24, 2016 Location: SummerWinds Nursery Region: Palo Alto	Type of Event: workshop/training Messages: IPM	Attendance: 6 SummerWinds staff
Name: Sabotaging Snails, Slugs & Plant-suckers Date: March 21, 2016 Region: Palo Alto	Type of Event: IPM workshop Audience: adult gardeners	Attendance 21 people
Name: Palo Alto High School Service Day Date: April 15, 2016 Location: Palo Alto High School Region: Palo Alto	Type of Event: Service day. Students led student volunteers in storm drain stenciling on campus. Used chalk paint and stencils provided by the City and discussed stormwater pollution prevention.	Attendance: 17 high school students
Name: Westwind Barn Earth Day Celebration Date: April 17, 2016 Location: Westwind Barn, Los Altos Hills	Type of Event: Tabling event Messages: IPM	Attendance: 500 people (young families and adults)
Name: Wilson, Sonsini, Goodrich & Rosati Earth Day Event Date: April 19, 2016 Location: Palo Alto Region: Palo Alto	Type of Event: Tabling Event at corporate function Message: pollution prevention, including Medicine take back (collected 51 lbs) Wipes, Microbeads, Triclosan	Attendance: 200 adults

<p>Name: Tesla Earth Day Event Date: April 21, 2016 Location: Palo Alto Region: Palo Alto</p>	<p>Type of Event: Tabling event at corporate function Messages: pollution prevention, including Stormwater (Wheel), Trash Reduction (Wheel), Wastewater (poster of Where Water Goes), Triclosan</p>	<p>Attendance: 300 adults</p>
<p>Name: The Great Race to Save Water Date: April 30, 2016 Location: Baylands, Palo Alto Region: Palo Alto</p>	<p>Type of Event: race and tabling event Messages: water conservation, stormwater pollution prevention, including litter (Wheel), Recycled Water, EPS Ordinance Amendments</p>	<p>Gave out bags, erasers, post it, coloring book Attendance: 100 young families and adults</p>
<p>Name: PARC/Xerox Earth Day Event Date: May 3, 2016 Location: PARC/Xerox, Palo Alto Region: Palo Alto</p>	<p>Type of Event: tabling event at corporate function Messages: pollution prevention, including Medicine take back (collected 14 lbs), Wipes, Triclosan</p>	<p>Attendance: 100 adults</p>
<p>Name: National River Clean Up Date: May 21, 2016 Location: Matadero and Adobe Creeks Region: Palo Alto</p>	<p>Type of Event: Volunteer Clean Up Worked with Acterra Stewardship (now known as Grassroots Ecology) who led Adobe Creek clean up</p>	<p>Attendance: 26 people (total)</p>
<p>Name: Artist in Residence Dates: June 11, 18, and 25, 2016 Location: Baylands and RWQCP Region: Palo Alto</p>	<p>Type of Event: Creative Ecology Artist in Residence event and Tour of RWQCP Messages: pollution prevention and wastewater treatment</p>	<p>Attendance 31 (total for all events)</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:

During FY 15-16, the Program actively supported the Santa Clara Basin Watershed Initiative, including the Land Use Subgroup, and the Santa Clara Valley Zero Litter Initiative. Information on these efforts is included within the C.7 Public Information and Outreach section of the Program's FY 15-16 Annual Report.

The City funds Acterra's (now known as Grassroots Ecology) Citizen Volunteer monitoring activities. Grassroots Ecology involves volunteers in monitoring 5 sites on San Francisquito Creek, 4 on Adobe Creek and 2 sites each on Matadero and Barron Creeks. On a monthly basis at each site, volunteers make visual observations, including the presence of trash, and monitor five parameters: pH, temperature, conductivity, turbidity and dissolved oxygen (DO).

C.7.h. ► School-Age Children Outreach

Outreach to school-age children is implemented through ZunZun assemblies at local elementary schools and the "Watershed Watchers" program at the Environmental Education Center at the Don Edwards San Francisco Bay Wildlife Refuge (Refuge) in Alviso. The Program sponsors up to 50 ZunZun assemblies at elementary schools in Santa Clara Valley and funds an Interpretive Specialist position at the Refuge for conducting activities and programs about watershed and urban runoff pollution prevention. The Fourth Quarter "Watershed Watchers" Report including the End-of-Year summary is included in the Program Annual Report Appendix 7-7. The Final ZunZun Report and Teacher Evaluation Report are included in the Program Annual Report Appendix 7-8. See section C.7 of the Program's Annual Report for ZunZun and other County-wide school outreach events.

In addition to the Program's school outreach, the RWQCP provides classroom programs to elementary and middle school classes. The goal for classroom program delivery for the 2015-2016 school year was 115 presentations for 3,000 students in the service area of East Palo Alto, Los Altos, Los Altos Hills, Mountain View, Palo Alto and Stanford. The RWQCP exceeded this goal and provided 145 programs to 3,820 students in the RWQCP service area.

This successful program transitioned in January 2016 to a team of educators from the local non-profit Acterra Stewardship (now known as Grassroots Ecology). The average teacher rating for the school year was 4.9 out of 5 both for quality of program and clarity of presenter. In addition, teachers stated that students in 96% of classes showed an increased understanding of the difference between the storm drain and the sewer systems and of what they can do to prevent water pollution.

In 2016, additional budget has been added to provide 20 additional classes and related outreach in underserved schools. In addition, the curriculum will be revised this summer with the goal to:

<ul style="list-style-type: none"> • Make the introduction more interactive and tailored to each lesson; • Improve the flow and speed of the “Bugs” program through numbering puzzle pieces and ensuring the content is more cohesive throughout the activity; • Change the “Bags” activity to a role-playing game and update the text to include recent developments in plastics regulation and research; • Produce “visuals” including images to go with the “Who Dirtied the Bay” activity so students more easily see what their classmates are adding to the “bay;” • Create hand-outs for students such as information for parents on proper local disposal of household hazardous wastes in their community. 			
Program Details	Focus & Short Description	Number of Students/Teachers reached	Evaluation of Effectiveness
<p>Name : ZunZun Musical Assembly</p> <p>Grade or level: elementary</p>	<p>Interactive, musical school assemblies educating K-6 children about watersheds and pollution prevention.</p>	<p>14,614 students</p>	<p>ZunZun assemblies were evaluated using postage-paid evaluation cards that were distributed to all teachers present at the performances. The Program received 90 completed evaluation cards from teachers. A few highlights of the evaluations are:</p> <ul style="list-style-type: none"> • After the performance, 16 teachers reported that 100% of their students knew what a watershed was; 35 teachers indicated that 75% of their students knew what a watershed was; 21 teachers indicated that 50% of their students knew what a watershed was; and 21 teachers indicated that 25% of their students knew what a watershed was. • After the performance, 57 teachers indicated that 100% of their students could name a way to prevent pollution in the watershed; 23 teachers indicated that 75% of their students could name a way to prevent pollution in the watershed; 4 teachers indicated that 50% of their students could name a way to prevent pollution in the watershed; and 3 teachers indicated that 25% of their students could name a way to prevent pollution in the watershed. <p>In addition, 18 classrooms completed the “I Pledge to Keep My School Clean” activity. The pledge requires students to dispose of trash or recyclables properly or pick up litter for a week. Students sign the pledge each day to indicate completion. Teachers are asked to fax</p>

			or email the completed pledge form to Program staff to be entered into a monthly drawing. Watershed Watch sports backpacks were distributed to students in 10 classrooms.
Name: Watershed Watchers Program at Don Edwards Wildlife Refuge in Alviso Grade or level: pre-school, elementary, middle, high school.	The Refuge offers a number of interpretive programs to educate children and youth about preventing urban runoff pollution.	67 pre-kindergarteners, 747 elementary school students, 548 middle school students, and 167 high school students.	Visitor surveys and pledges are used to determine visitor demographics, effectiveness of publicity, and the effectiveness of the Watershed Watchers Program. Details are included within the Watershed Watchers included in Appendix 7-7 of the SCVURPPP FY 15-16 Annual Report.
Palo Alto School Events			
What's Bugging You? (2nd Grade)	In this interactive program, students work together to create a visual habitat for insects. By learning about insects and the food chain students are introduced to the concept of pesticides, as well as the impacts of pesticides on water pollution. Students also learn: the difference between waste water and storm water (where it comes from, where it goes); the water cycle; the definition and function of a watershed; and "reduce/reuse/recycle/rot/respect."	Palo Alto: 7 classes, 168 students	See above.
What's Up with the Bags? (2nd grade)	In this program students practice their reading and comprehension skills by reading a story out loud as they learn about the impact of plastic bags when they enter the watershed through human use and misuse. Plastic bag alternatives are	Palo Alto: 11 classes, 254 students	See summary above.

	discussed. Students are given a re-usable bag, encouraged to decorate it with a message about water pollution or something else they learned from the lesson, and then take the bag home to be reused. Students also learn: the difference between waste water and storm water (where it comes from, where it goes); the water cycle; the definition and function of a watershed; and "reduce/reuse/recycle /rot/respect."		
Watershed Warriors! (3rd grade)	In this program students utilize a hands-on, simulated model called The Enviroscope. This model represents various environments such as a farm and a neighborhood. Students learn the sources of pollution & solutions to reduce or eliminate pollution. Students also learn: the difference between waste water and storm water (where it comes from, where it goes); the water cycle; the definition and function of a watershed; and "reduce/reuse/recycle/rot/respect."	Palo Alto: 9 classes, 216 students	See summary above.
Who Dirtied the Bay? (3rd Grade)	Moving through time from past to present the focus of this program is on storm water and how pollutants impact the Baylands and H2O environment. Pollution prevention solutions are discussed with an emphasis on what the students can do right now, at their age, to impact water pollution Students also learn: the difference between waste water and storm water (where it comes from, where it goes); the	Palo Alto: 10 classes, 223 students	See summary above.

	water cycle; the definition and function of a watershed; and "reduce/reuse/recycle/rot/respect."		
Mercury (4th grade)	In this program students learn how mercury from the past (California Gold Rush) and the present, accumulates and impacts the waters of San Francisco Bay. Bio-accumulation of mercury is also demonstrated with a participatory activity Pollution prevention strategies are discussed. Students also learn: the difference between waste water and storm water (where it comes from, where it goes); the water cycle; the definition and function of a watershed; and "reduce/reuse/recycle/rot/respect"	Palo Alto: 7 classes, 168 students	See summary above.
Microbes in Sewage (7th grade)	In a laboratory setting, students practice their microscope skills as they observe, document and identify microbes from water samples drawn from the aeration basin as part of the wastewater treatment process. This program directly relates since students study protist in the 7th grade as part of the science biology curriculum, Students also learn to understand the sense of place and the role of a wastewater treatment plant in their community. Impact of pollution on the Baylands and water environment, as well as prevention solutions that the students can currently engage in are discussed	Palo Alto: 38 classes, 1,094 students	See summary above.

Section 9 – Provision C.9 Pesticides Toxicity Controls

C.9.a. ► Implement IPM Policy or Ordinance								
Is your municipality implementing its IPM Policy/Ordinance and Standard Operating Procedures?					x	Yes		No
If no, explain:								
Report implementation of IPM BMPs by showing trends in quantities and types of pesticides used, and suggest reasons for increases in use of pesticides that threaten water quality, specifically organophosphates, pyrethroids, carbaryl, and fipronil. A separate report can be attached as evidence of your implementation.								
The City of Palo Alto continues to practice IPM throughout City programs and does not use non-containerized organophosphates, pyrethroids, carbamates, or fipronil for normal structural pest control.								
Trends in Quantities and Types of Pesticides Used ¹								
Pesticide Category and Specific Pesticide Used	Amount ²							
	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21		
Organophosphates	0							
Pyrethroids	0							
Carbamates	0							
Fipronil	0							
Indoxacarb	Reporting not required in FY 15-16							
Diuron	Reporting not required in FY 15-16							
Diamides	Reporting not required in FY 15-16							

¹Includes all municipal structural and landscape pesticide usage by employees and contractors.

²Weight 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.

IPM Tactics and Strategies used:

- Use of non-chemical strategies such as monitoring, mowing weeds, mulching.
- Removal of plants that require frequent pesticide applications.
- Replacing invasive plants with natives.
- Preventive actions such as sealing holes and gaps in structures, improving sanitation.
- Use of baits and traps instead of broadcast pesticides

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.	5
Enter the number of these employees who received training on your IPM policy and IPM standard operating procedures within this reporting year.	5
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: Yearly herbicide training completed by Target Specialty for all Parks staff. Staff that carries QAC's also take PAPA and CAPCA Seminars for CE's.	

C.9.c ▶ Require Contractors to Implement IPM				
Did your municipality contract with any pesticide service provider in the reporting year?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
<p>If yes, briefly describe how contractor compliance with IPM Policy/Ordinance and SOPs was monitored</p> <p>The City of Palo Alto uses an on-call service for structural pest control (such as Pestec, an IPM certified pest control company) for larger jobs. Continuous oversight of the contractor by Facilities ensures an IPM approach for structural pests. Facilities also consults higher level treatment plans with Watershed Protection Group to ensure IPM compliance. Although Palo Alto is targeting 2016-17 to implement a new City-wide contract for structural pest control, our main focus is prevention by all building occupants.</p> <p>Landscape pest management is included in Palo Alto’s landscape maintenance contract with Gachina. Contract language requires maintenance of 12 pesticide-free parks. Spot checks, on-going communication and annual reporting are used to track compliance with City policy and related permit requirements.</p>				

C.9.d ▶ Interface with County Agricultural Commissioners				
Did your municipality communicate with the County Agricultural Commissioner to: (a) get input and assistance on urban pest management practices and use of pesticides or (b) inform them of water quality issues related to pesticides,	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
<p>If yes, summarize the communication. If no, explain.</p> <p>See Section 9 of the SCVURPPP FY 15-16 Annual Report for summary of communication with the Santa Clara County Agricultural Commissioner.</p>				
Did your municipality report any observed or citizen-reported violations of pesticide regulations (e.g., illegal handling and applications of pesticides) associated with stormwater management, particularly the California Department of Pesticide Regulation (DPR) surface water protection regulations for outdoor, nonagricultural use of pyrethroid pesticides by any person performing pest control for hire.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
<p>If yes, provide a summary of improper pesticide usage reported to the County Agricultural Commissioner and follow-up actions taken to correct any violations. A separate report can be attached as your summary.</p>				

C.9.e.ii (1) ▶ Public Outreach: Point of Purchase
Provide a summary of public outreach at point of purchase, and any measurable awareness and behavior changes resulting from outreach (here or in a separate report); OR reference a report of a regional effort for public outreach in which your agency participates.
Summary:

The following separate reports developed by SCVURPPP and BASMAA summarize point of purchase outreach efforts conducted during FY 15-16:

- FY 15-16 Store Employee Training Report (SCVURPPP)
- FY 15-16 Store Employee Training Evaluation Summary (SCVURPPP)
- FY 15-16 Store Employee Training Status Table (SCVURPPP)
- FY 15-16 List of Stores in the IPM Store Partnership Program (SCVURPPP)
- FY 15-16 BASMAA "Our Water, Our World" (OWOW) Report (BASMAA)

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 Section 7 and Section 9 of the Program's FY 15-16 Annual Report for a summary of outreach to residents and businesses that use or hire structural pest control and landscape professional. In addition, see the following separate reports, included within Section 7 of the Program's FY 15-16 Annual Report.

- FY 15-16 Watershed Watch Campaign Final Report
- The City of Palo Alto also provides outreach to residents about EcoWise service providers.

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 outreach to pest control operators and landscapers to reduce pesticide use. In addition, see the following separate reports, included within Section 7 and Section 9 of the Program's FY 15-16 Annual Report, for additional details on outreach to pest control operators:

- FY 15-16 Watershed Watch Campaign Final Report
- FY 15-16 Green Gardener Training Report

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.

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

City of Palo Alto contributed funding to CASQA pesticides subcommittee annual report and actively participates in comment letters.

Section 10 - Provision C.10 Trash Load Reduction

C.10.a.i ► Trash Load Reduction Summary	
For population-based Permittees, provide the overall trash reduction percentage achieved to-date within the jurisdictional area of your municipality that generates problematic trash levels (i.e., Very High, High or Moderate trash generation). Base the reduction percentage on the information presented in C.10.b i-iv and C.10.e.i-ii. Provide a discussion of the calculation used to produce the reduction percentage, including whether the 60% trash reduction performance guideline was attained. If not attained, include a discussion of next steps (e.g., development of a detailed plan or report of non-compliance).	
Trash Load Reductions	
Percent Trash Reduction in All Trash Management Areas (TMAs) due to Trash Full Capture Systems (as reported C.10.b.i)	29.7%
Percent Trash Reduction in all TMAs due to Control Measures Other than Trash Full Capture Systems (as reported in C.10.b.ii) ¹	41.6%
Percent Trash Reduction due to Jurisdictional-wide Source Control Actions (as reported in C.10.b.iv) ¹	10.0%
SubTotal for Above Actions	81.3%
Trash Offsets (Optional)	
Offset Associated with Additional Creek and Shoreline Cleanups (as reported in C.10.e.i)	2.7%
Offset Associated with Direct Trash Discharges (as reported in C.10.e.ii)	NA
Total (Jurisdictional-wide) % Trash Load Reduction in FY 15-16	84.0%
Discussion of Trash Load Reduction Calculation:	
<p>The City attained and reported a 71% trash load reduction in its FY 14-15 Annual Report, exceeding the trash load reduction target of 40% by 2014. The reissued MRP contains a revised calculation methodology that eliminates or caps past trash load reduction offsets or credits. Based on the new calculation methodology, as of July 1, 2016, the City has attained a 84% trash load reduction (including trash offsets). The reissued MRP also added a non-mandatory performance guideline of attaining 60% trash reduction by July 1, 2016.</p> <p>The City of Palo alto values cleanliness and has been a leader in reducing litter since prior to the MRP. Trash is only rarely visible on Palo Alto streets, and creek clean up events remove very moderate amounts of trash, much of which contributed by wind and other pathways and the proximity of Highway 101.</p>	

¹ See Appendix 10-1 for changes between 2009 and FY 15-16 in trash generation by TMA as a result of Full Capture Systems and Other Measures.

C.10.a.iii ► Mandatory Trash Full Capture Systems		
Provide the following:		
1) Total number and types of full capture systems (publicly and privately-owned) installed prior to FY 15-16, during FY 15-16, and to-date, including inlet-based and large flow-through or end-of-pipe systems, and qualifying low impact development (LID) required by permit provision C.3.		
2) Total land area (acres) treated by full capture systems for population-based Permittees and total number of systems for non-population based Permittees compared to the total required by the permit.		
Type of System	# of Systems	Areas Treated (Acres)
Installed Prior to FY 15-16		
Public Hydrodynamic Separator	2	169.7
Private Hydrodynamic Separator	9	15.2
Trash Booms	2	1,578* (25% of treatment area)
Installed in FY 15-16		
NA	NA	NA
Total for all Systems Installed To-date (Excluding Trash Booms)	11	184.9
Treatment Acreage Required by Permit (Population-based Permittees)		84
Total # of Systems Required by Permit (Non-population-based Permittees)		NA

*Areas treated include jurisdictional and non-jurisdictional lands (e.g., public K-12 schools and colleges, and freeways) within the boundaries of the City that are not treated by traditional full capture devices.

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

Provide the following:

- 1) Jurisdiction-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	0%	11	0	None
2	0%			
3	0%			
4	4.0%			
5	0.4%			
6	0%			
7	0%			
8	0%			
9	0%			
10	0.6%			
11	0%			
12	0%			
13	0%			
Total*	29.7%			

Certification Statement: *The City of Palo Alto 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.*

*The total jurisdiction-wide reduction reported for full capture systems includes 24.6% reduction associated 1,578 acres (25% of treatment area) treated by two trash booms operated on Matadero and Adobe Creeks by the City and/or SCVWD.

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

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

TMA	Summary of Trash Control Actions Other than Full Capture Systems
1	<ul style="list-style-type: none"> • Street Sweeping: three times per week with dedicated staff walking ahead of sweepers to blow trash and debris from sidewalks and behind parking stops and tree wells into the street. Subarea 1B is swept weekly during leaf season and every other week during the summer months with parking restrictions in place • On-land clean up: Downtown Streets Team picks up litter and debris 7 days per week in the business improvement district (area 1A). Restaurants applying for encroachment permit for tables and chairs must keep outdoor seating areas clean. Landscaping contractor pick up litter and debris in landscaping areas twice per week and in two downtown parks every weekday. Sidewalks are swept using a small scale sweeper daily and steam cleaned by a BASMAA certified cleaner monthly. • Improved Trash bin/container management and commercial inspection program: Public Litter cans, commercial stormwater inspections including litter, requirements for new development to have trash enclosures. The City’s Zero Litter Initiative Right Size/Right Service pilot area is in this TMA with increased outreach and enforcement for overflowing containers. • Partial capture: the City’s diversion structure to the Regional Water Quality Control Plant is partially located in this TMA • Smoking Ordinance: prohibition to smoke in downtown business district (2015) • Began implementing Go-Box reusable takeout container program with 10 participating restaurants
2	<ul style="list-style-type: none"> • Street Sweeping three times per week (except for a small primarily residential area), parking lots swept weekly. • On-land clean up: City staff and contractors pick up litter and debris in landscaping twice per week, medians at California Avenue daily, tree wells weekly, and the Caltrain Station roundabout weekly. A park in the area has daily litter pick up. • Improved Trash bin/container management and commercial inspection program: Public Litter cans, commercial stormwater inspections including litter, requirements for new development to have trash enclosures • Smoking Ordinance: prohibition to smoke in business district (2015)
3	<ul style="list-style-type: none"> • Street sweeping weekly during leaf season, every other week during summer months • On-land clean up: Weekly in landscaping at perimeter, daily by shopping center staff • Partial Capture: wet well at Embarcadero Road and C.3 devices at the shopping center • Improved trash bins/container management and commercial inspection program: Extensive effort on right size/right service for shopping center waste. Trash enclosures built as part of new development at the site. Litter bins maintained by shopping center. Active commercial inspection program including litter. • Smoking Ordinance (2015)
4	<ul style="list-style-type: none"> • Street sweeping: weekly on El Camino, every other week during summer months in remaining area and weekly during leaf season.

	<ul style="list-style-type: none"> On-land clean up: along El Camino landscaping and at Los Robles Park weekly. Improved trash bins/container management and commercial inspection program: public litter cans, new development requirements for trash enclosures, inspection program for restaurants
5	<ul style="list-style-type: none"> Street sweeping: weekly On-land clean up: weekly pick up of litter and debris in landscaping areas along El Camino Improved trash bins/container management and commercial inspection program: Bus stop litter cans maintained by VTA, Clean Bay Business program for vehicle service facilities, restaurant inspection program, new commercial/multi-family development must provide trash enclosure
6	<ul style="list-style-type: none"> Street sweeping: weekly during leaf season, every other week during summer months. On-land clean up: Shopping center staff/contractors maintain the shopping center. Parks contractors maintain landscaping at an electrical substation on Quarry Improved Trash bins/container management and Commercial inspection program: litter cans, trash enclosure requirements for new development, inspection of restaurants
7	<ul style="list-style-type: none"> Street sweeping: Weekly during leaf season, every other week during summer months except where leaf fall requires weekly. On-land clean up: Parks department contractors perform clean ups at 7b and 7d. Shopping centers have staff performing clean up Improved trash bins/container management and commercial inspection program: litter cans, right size efforts, commercial inspection program, new development must have trash enclosures. C.3 features capture trash and are inspected annually.
8	<ul style="list-style-type: none"> Street sweeping: weekly during leaf season, every other week during summer months except where leaf fall requires weekly On-land clean up: Janitorial staff pick up at school. For non-jurisdictional public middle and elementary schools, Parks Division staff maintains landscaping and collects litter on the athletic fields twice per week. Partial treatment: several private schools have C.3 devices, including vortex separator. Improved trash bins/container management and inspection program: GreenWaste, the City's' hauler works with schools on right size and sorting, Watershed Protection inspected all middle and high schools (including litter issues) every 5 years Outreach: extensive outreach program to schools, including several programs focused on litter, visits to science fair, and participation in "litter walks."
9	<ul style="list-style-type: none"> Street sweeping: weekly for larger parks parking lots, streets weekly during leaf season and every other week during summer months. On-land clean up: parks are maintained daily (weekdays) or three times per week, depending on usage. Mayfield soccer fields are cleaned by the Downtown Streets Team. Improved trash bins/container management and inspection program, including new trash enclosure at the Art Center. Smoking Ordinance: smoking prohibited in parks, significant reduction of cigarette butts.
10	<ul style="list-style-type: none"> Street Sweeping: weekly during leaf season, every other week during summer months, except where leaf fall requires weekly On-Land Clean up: Areas 10 a, b, and g have weekly litter pick up. Other portions have clean up as needed Improved trash bins/container management and commercial inspection program: Clean Bay Business program for automotive facilities, trash enclosure requirements for new development, commercial inspection program

	<ul style="list-style-type: none"> • Partial capture: A portion of this TMA drains to the City's diversion structure, which diverts stormwater to the POTW.
11	<ul style="list-style-type: none"> • Street sweeping: weekly during leaf season, every other week during summer months. Municipal Service Center is swept weekly. • On-land clean up: as needed. Two hot spot areas are in this TMA and are cleaned twice per year. • Improved Trash Bins/container management and commercial inspection program: Municipal Service Center has a SWPPP and is inspected once per year, plus the automotive portion is inspected two additional times. Staff outreach regarding litter.
12	<ul style="list-style-type: none"> • Street Sweeping: weekly during leaf season, every other week during other months. • On-land clean up: portion of TMA monthly, other portions as needed. • Parking prohibited: implemented parking restrictions to reduce litter from parked vehicles • Began collaboration with neighboring East Palo Alto related to illegal dumping and clean up
13	<ul style="list-style-type: none"> • Street Sweeping: weekly during leaf season, every other week for the summer months) • On-land clean up: some medians/landscaping maintained by Parks Division weekly in this TMA
All TMAs	<ul style="list-style-type: none"> • Storm Drain Inlet cleaning: Storm inlets are cleaned annually in October and during pipeline cleaning year round. • Uncovered loads: municipal code requires covered loads, Trash hauling contract requires covered loads. Tarp distribution program at SMaRT station in Sunnyvale • Anti -Littering and Illegal Dumping response: The City of Palo Alto has implemented PaloAlto311, a multi-platform solution to report issues, including illegal dumping. Requests are tracked and resolved through this App. • Requirement for trash enclosures on all new commercial and multi-family • Outreach: extensive outreach program including a stenciling program for volunteer groups, school outreach, tabling events

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

Provide the following:

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

TMA ID or (as applicable) Control Measure Area	Total Street Miles Available for Assessment	Summary of On-land Visual Assessments			Jurisdictional-wide Reduction (%)
		Street Miles Assessed	% of Applicable Street Miles Assessed	Avg. # of Assessments Conducted at Each Site*	
1	6.18	2.19	35.4%	4.2	11.5%
2	3.745	0.78	20.8%	3.8	6.9%
3	0.4	0.4	100.0%	4.0	3.9%
4	0.735	0	0%	0	0%
5	3.445	0.78	22.7%	4.0	5.1%
6	0.95	0.75	77.9%	4.0	2.9%
7	0.84	0	0%	0	0%
8	1.25	0	0%	0	0%
9	2.42	0.39	16.1%	3.5	11.2%
10	8.18	0	0%	0	0%
11	0.13	0	0%	0	0%
12	0.27	0	0%	0	0%
13	0.15	0	0%	0	0%
Total		5.48	-	-	41.6%

*Each on-land visual assessment site is approximately 1,000 feet (on average) in length. Average number of assessments represent those conducted in FYs 14-15 and 15-16.

C.10.b.iv ► Trash Reduction – Source Controls					
Provide a description of each jurisdictional-wide trash source control action implemented to-date. For each control action, identify the trash reduction evaluation method(s) used to demonstrate on-going reductions, summarize the results of the evaluation(s), and provide the associated reduction of trash within your jurisdictional area. Also include the total % reduction credit for all source controls up to the maximum 10% allowed by MRP 2.0.					
Source Control Action	Summary Description & Dominant Trash Sources and Types Targeted	Evaluation/Enforcement Method(s)	Summary of Evaluation/Enforcement Results To-date	% Reduction	Total Reduction Credit (%)
Single Use Bag Ordinance	<p>Description: Ordinance to ban single-use plastic check-out bags originally banned plastic bags at grocery stores (2009) and was expanded to include all retail including restaurants and a fee for paper bags at retail establishments (approved May 2013).</p> <p>Dominant Sources and Types: Single Use plastic check out bags from pedestrian and vehicular sources as well as inadequate container management.</p>	<ol style="list-style-type: none"> 1. Store Exit Surveys: Bag surveys at grocery stores and pharmacies (from FY 2014/15) 2. Large store compliance audits (31 stores) – FY 2014/15) 3. Bag Inspections for small retail and restaurants 4. Field observations: Counting Bags at clean up events, trash boom clean up. and tracking of bags on-land <p>The City participated in a countywide study in FY 15-16 to characterize trash in full capture systems. The study conducted by SCVURPPP was intended to assist Santa Clara Valley Permittees in determining the current levels of litter-prone items (i.e., single-use bags and EPS food service ware) in stormwater and evaluate whether these levels have changed since ordinances prohibiting the distribution of these items were put into effect. For additional details on the study design and methods, see the <i>SCVURPPP FY 15-16 Annual Report – Section 10 Trash Controls</i>.</p>	<p>1. Store Exit surveys show that no customers use plastic bags, 41% use no bag, and 35% use reusable bags with the remainder paper. 2 .Large store compliance audits showed all stores are no longer distributing plastic bags and charging for reusable or paper. 3. Bag inspections show approximately 90% compliance for small retail and 85% for restaurants 4. The bags found at clean up events have been significantly reduced. For the May 2016 event, only 3 bags were found.</p> <p>According to the BASMAA “San Francisco Bay Area Stormwater Trash Generation Rates” report finalized on June 20, 2014, single use carry out bags contribute about 8% of the total litter loading to local receiving waters by municipal stormwater.</p> <p>Results from the SCVURPPP Study, which characterized of trash in full trash capture systems pre- and post-ordinance in the Santa Clara Valley, indicate that 72% fewer single-use bags are observed in stormwater since ordinances have gone into effect. For additional details on results of the study, see the <i>SCVURPPP FY 15-16 Annual Report – Section 10 Trash Controls</i>.</p> <p>Based on the results of the SCVURPPP study, the City estimates an approximate 72% reduction in the number of single-use bags in stormwater, which equates to a 5.8% (i.e., 72% x 8%) reduction of trash discharged from the City’s stormwater conveyance system.</p>	5.8%	10.0% (Maximum)

C.10.b.iv ► Trash Reduction – Source Controls					
Provide a description of each jurisdictional-wide trash source control action implemented to-date. For each control action, identify the trash reduction evaluation method(s) used to demonstrate on-going reductions, summarize the results of the evaluation(s), and provide the associated reduction of trash within your jurisdictional area. Also include the total % reduction credit for all source controls up to the maximum 10% allowed by MRP 2.0.					
Expanded Polystyrene Food Service Ware Ordinance	<p>Description: Expanded Polystyrene (EPS) Restriction Ordinance effective since April 2010 bans all food vendors from providing prepared food in disposable food service containers made from expanded polystyrene. Please see page 53 of the Long-Term Trash Management Plan for details.</p> <p>Dominant Sources and Types: Expanded polystyrene food service ware from pedestrian and vehicular sources, as well as inadequate container management.</p>	<ol style="list-style-type: none"> 1. Compliance Rate: Initial survey, routine inspections at food service establishments, and complaints. 2. Field Observations at creek clean up events <p>The City participated in a countywide study in FY 15-16 to characterize trash in full capture systems. The study conducted by SCVURPPP was intended to assist Santa Clara Valley Permittees in determining the current levels of litter-prone items (i.e., single-use bags and EPS food service ware) in stormwater and evaluate whether these levels have changed since ordinances prohibiting the distribution of these items were put into effect. For additional details on the study design and methods, see the <i>SCVURPPP FY 15-16 Annual Report – Section 10 Trash Controls</i>.</p>	<p>In 2016, three food service establishments were found to have EPS on-site.</p> <p>According to the BASMAA “San Francisco Bay Area Stormwater Trash Generation Rates” report finalized on June 20, 2014, single use carry out bags contribute about 6% of the total litter loading to local receiving waters by municipal stormwater.</p> <p>Results from the SCVURPPP Study, which characterized of trash in full trash capture systems pre- and post-ordinance in the Santa Clara Valley, indicate that 74% less expanded polystyrene food service ware is observed in stormwater since ordinances have gone into effect. For additional details on results of the study, see the <i>SCVURPPP FY 15-16 Annual Report – Section 10 Trash Controls</i>.</p> <p>Based on the results of the SCVURPPP study, the City estimates an approximate 74% reduction in the volume of polystyrene food service ware in stormwater, which equates to a 5.9% (i.e., 74% x 8%) reduction of trash discharged from the City’s stormwater conveyance system.</p>	5.9%	

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
PA-001	N	12/14/2015	0.7	2.0	0.9	0.4	0.1
PA-002	N	12/14/2015	3.0	1.2	0.2	0.7	0.1

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
In FY 15-16, consistent with all MRP Permittees, all public K-12 schools, college and university parcels were made non-jurisdictional on the City's baseline trash generation maps. Under California Government Code Sections 4450 through 4461, the construction, modification, or alternation of facilities and/or structures on these parcels are under the jurisdiction of the California Division of State Architect and not the City. The public right-of-way (e.g., streets and sidewalks) surrounding these parcels remain as jurisdictional on the City's baseline trash generation maps. The City's revised baseline trash generation map is included as Appendix 10-2.	8 (specifically 8 a, b, c, d, e, f, g, h, i, j, k, l, m are non-jurisdictional)
A school inspection program implemented last year, which included wastewater and stormwater inspection components, including trash, found several school sites had "low" trash generation rates rather than "medium" adjusting the baseline trash generation rate for this TMA. Elementary schools were inspected again this fiscal year to confirm low trash generation.	8 a, d, f, g, h, j, k, q, s, t, u
The expansion of the Expanded Polystyrene Ordinance was delayed due to staff resources. Outreach has been performed and Council's first reading of the ordinance is scheduled for the fall of 2015.	Jurisdiction-wide
Installation of a full trash capture device at the Matadero Creek pump station was found to not be feasible due to the low percentage reduction that would be achieved and the high capital and maintenance costs.	various
Began implementation of reusable take out container program (Go-Box) which now has 10 participating restaurants (2015)	1
Will begin collaborating with Clean Water Action on Rethink Disposable program (2016)	TBD

C.10.e. ► Trash Reduction Offsets (Optional)			
Provide a summary description of each offset program implemented, the volume of trash removed, and the offset claimed in FY 15-16. Also, for additional creek and shoreline cleanups, describe the number and frequency of cleanups conducted, and the locations and cleanup dates. For direct discharge control programs approved by the <u>Water Board Executive Officer</u> , also describe the results of the assessments conducted in receiving waters to demonstrate the effectiveness of the control program. Include an Appendix that provides the calculations and data used to determine the trash reduction offset.			
Offset Program	Summary Description of Actions and Assessment Results	Volume of Trash (CY) Removed/Controlled in FY 15-16	Offset (Jurisdiction-wide Reduction %)
Additional Creek and Shoreline Cleanups (Max 10% Offset)	City staff hosted two clean up event for volunteers at both hot spot sites (Matadero and Adobe Creeks) on National River Clean Up day (May 21, 2016) and Coastal Clean Up day (September 19, 2015). In addition, a volunteer cleaned these sites 13 more times during the fiscal year (9/29, 10/8, 11/12, 12/09, 12/29, 1/12, 2/6, 2/7, 2/16, 3/2, 4/2, 4/21, 6/8) and reported the kinds and amounts of trash to City staff.	4.4 CY (886 gallons)	2.7 %
Direct Trash Discharge Controls (Max 15% Offset)	Not applicable		

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

Additional Actions:

Mercury Containing Devices - HHW

The City of Palo Alto's Household Hazardous Waste Program began in 1983, when Palo Alto became the second jurisdiction in the State to provide collection of HHW to its residents in response to community concerns about toxic wastes in the environment. On September 19, 2013, the City celebrated the opening of a new HHW drop off station at the Regional Water Quality Control Plant with added storage capacity and increased hours (now open weekly rather than only monthly) to make it more convenient for residents and small businesses to drop off HHW. City of Palo Alto HHW Drop-off events for Palo Alto residents and businesses occur every Saturday and on the first Friday of the month. The City of Palo Alto runs and operates the HHW program including promotion of HHW drop-off events that provide residents and small businesses the opportunity to drop-off of mercury-containing devices and equipment (e.g., bulbs, thermostats, thermometers and/or switches). Outreach includes HHW station hours, a "recycle where" tool on the City's Zero Waste website, an HHW hotline and a partnership with local hardware stores to serve as drop off sites for fluorescent bulbs. In FY 15/16 4,390 pounds of mercury containing lamps (fluorescent bulbs and CFLs), and 100 pounds of other mercury containing waste (including thermostats, thermometers, novelties, etc.) were collected. Some batteries (button cell batteries) also contain mercury and are collected through the HHW program. In FY 15/16, an ad was developed and published in a newspaper as well as on garbage and recycling trucks in the City called "Wonder? – What to do with CFLs?"

Green Infrastructure Planning

The City of Palo Alto has implemented the Southgate Neighborhood Green Stormwater Infrastructure project and is actively seeking additional opportunities for green stormwater infrastructure implementation. Please see section C.3 for identified opportunities.

Risk Reduction

City of Palo Alto Park Rangers have ordered and received risk reduction signage and will install in during FY16-17.

Section 12 - Provision C.12 PCBs Controls

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

Summary:

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

In FY13/14, on behalf of the Bay Area Pollution Prevention Group (BAPPG), the City of Palo Alto funded the development of a new outreach flyer and website related to demolition, addressing multiple pollutants, and trained Building Inspection staff on what to look for. The flyer is available at the Development Center and is provided to applicants. Please see <http://baywise.org/demolition> .

City of Palo Alto staff are actively participating in the regional effort to develop a PCBs Control Program for Building Demolition Activities.

City of Palo Alto Park Rangers have ordered and received risk reduction signage and will install in during FY16-17.

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?

<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
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(For FY 15-16 Annual Report only) Provide a summary of how copper architectural features are addressed through the issuance of building permits.

Summary:
 Since January 1, 2003, architectural copper is not permitted for use in Palo Alto. Specific Ordinance language is contained in Palo Alto Municipal Code Section 16.09.180:

“On and after January 1, 2003, copper metal roofing, copper metal gutters, copper metal down spouts, and copper granule containing, asphalt shingles shall not be permitted for use on any residential, commercial or industrial building for which a building permit is required. Copper flashing for use under tiles or slates and small copper ornaments are exempt from this prohibition. Replacement roofing, gutters and downspouts on historic structures are exempt, provided that the roofing material used shall be prepatinated at the factory. For the purposes of this exemption, the definition of "historic" shall be limited to structures designated as Category 1 or Category 2 buildings in the current edition of the Palo Alto Historical and Architectural Resources Report and Inventory.”

A factsheet is provided at the Development Center and permit applicants are informed early in the permitting process.

(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:
 See above, architectural copper is not permitted for use in Palo Alto.

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?

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

Ordinance language is contained in Palo Alto Municipal Code Section 16.09.205:

"It shall be unlawful to discharge water from cooling systems, pools, spas, fountains boilers and heat exchangers to the storm drain system." And

In addition, for new construction, the following requirement is included in Palo Alto Municipal Code Section 16.09.180:

"Discharge drains for swimming pools, 'spas and fountains shall not be connected directly to the storm drain system or to the sanitary sewer system. When draining is necessary the discharge will be allowed by way of either:

(A) A hose or other temporary system shall be directed into a sanitary sewer (not storm drain system) clean out. A sewer clean out shall be installed in a readily accessible area;

(B) A fixed pipe with an air gap and receiving sink directed to the sanitary sewer.

(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:

New construction applicants are notified early in the building process of the ordinance requirements. In addition, the City performs outreach to pool owners regarding copper algaecides and proper disposal of pool water. Field crews are trained annually and report any observed discharges to the Watershed Protection Group. No pool related discharges have required enforcement action since 2013.

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:

Industrial facilities and automotive facilities are inspected at minimum annually with particular attention paid to outdoor storage and other potential exposure of copper to storm water or drainage of water that may contain copper (such as cooling towers).

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

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

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

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

Summary: The City of Palo Alto's Utilities Department promotes water conservation as well as drought tolerant and native vegetation through several programs:

- Landscape efficiency requirements for new development and implementation of the State's Water Efficient Landscape Ordinance <http://www.cityofpaloalto.org/gov/depts/uti/residents/resrebate/landscape.asp>
- Rebates and technical assistance (such as water wise house-calls) that promote water conservation, drought tolerant landscaping, stormwater reuse (cisterns, rain barrels), bay-friendly landscaping and less toxic pest management
- A new Utility Portal where customers can see their gas, water and electric usage
- Workshops on water conservation, pest control, rainwater harvesting, etc.
- Demonstration Gardens at Lucie Stern Community Center and Palo Alto City Hall.
- Drought response includes eliminating landscape irrigation runoff through outreach and enforcement.
- Outreach including Great Race for Saving Water event, website, facebook, utility bill inserts, tabling events, etc.

The Public Works Environmental Services Division actively promotes the Bay-Friendly Landscaping Program and the Our Water, Our World campaign to promote the use of less toxic pest management techniques and native, drought tolerant landscaping. In addition, Environmental Services Division Staff have been participating in the DPR-funded Healthy Buildings, Healthy Families IPM Pilot Program. Participating cities in the pilot include East Palo Alto, Palo Alto, San Jose, San Pablo and San Francisco. Working together with Pestec Pest Management and BASMAA staff, city representatives formed working relationships with building owners, property management companies and tenants. Notification and Inspection forms translated into specific languages and pest fact sheets were created for the program. Palo Alto's designated multi-family dwelling is a small 2-building complex on Curtner Avenue, near El Camino Real. The buildings have a mixture of seniors, adults and children living in either one or two bedroom units. Two baseline inspections have been completed inside all units of the two buildings on December 2015 and January 2016. A total of thirteen units were inspected, along with the perimeter of the complex. Pests found in these units included cockroaches, mice and spiders. The owner and tenants of the buildings have been cooperative and appreciative of the program. More detail can be found in the City of Palo Alto Clean Bay Plan report. <http://www.cityofpaloalto.org/civicax/filebank/documents/51362>

Please refer to Section C.9 for additional information on Palo Alto's efforts to promote less toxic pest control and C.7 for Public Outreach events.

FY 2015-2016 City of Palo Alto Annual Report

Glossary

ABAG – Association of Bay Area Governments

BAPPG – Bay Area Pollution Prevention Group

BASMAA – Bay Area Stormwater Management Agencies Association

BMP – Best Management Practice

CASQA – California Stormwater Quality Association

CCAG – Creek Connections Action Group

CDS – Continuous Deflective Separator

CFL – Compact Fluorescent Light

CWEA – California Water Environment Association

DO – Dissolved Oxygen

DPR – Department of Pesticide Regulation

EPA – Environmental Protection Agency

ERP – Enforcement Response Plan

FOG – Fats, Oil, and Grease

FY – Fiscal Year

GPM – Gallons per Minute

HHW – Household Hazardous Waste

HM – Hydromodification Management

ICID – Illicit Connection/Illegal Discharge

IDDE – Illicit Discharge Detection and Elimination

IND AHTG - Industrial and Commercial Ad Hoc Task Group

IPM – Integrated Pest Management

LID – Low Impact Development

MRP – Municipal Regional Permit

MS4 – Municipal Separate Storm Sewer System

N/A – Not Applicable

NOI – Notice of Intent

NPDES – National Pollution Discharge Elimination System

NPS – Nonpoint Source

O & M – Operation and Maintenance

PSA – Public Service Announcement

RWQCB – Regional Water Quality Control Board

RWQCP – Palo Alto Regional Water Quality Control Plant

SCVURPPP – Santa Clara Valley Urban Runoff Pollution Prevention Program

SCVWD – Santa Clara Valley Water District

sf – square feet

SIC – Standard Industrial Code

SMaRT – Sunnyvale Materials Recovery and Transfer Station

SOP – Standard Operating Procedure

SWIDS – Storm Water Infiltration Device System

SWPPP – Storm Water Pollution Prevention Program

TBD – To Be Determined

URMP – Urban Runoff Management Plan

VTA – Santa Clara Valley Transportation Authority

WMI – Watershed Management Initiative

WUPPP – Water Utility Pollution Prevention Plan

YCS – Youth Community Service

ZLI – Zero Litter Initiative

FY 2015-16 City of Palo Alto Storm Water Annual Report

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

Appendix 4-1: C.4.b.iii. Potential Facilities List

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

Appendix 5-1: C.5.c.iii Complaint and Spill Response Phone Number and Spill Contact List Screenshot

Section 10 – Provision C.10 Trash Controls

Appendix 10-1: Baseline Trash Generation and Areas Addressed by Full Capture Systems and Other Control Measures in Fiscal Year 15-16

Appendix 10-2: Revised Baseline Trash Generation Map and Areas Currently Addressed by Full Capture Systems

Appendix 4-1
C.4.b.iii.(1) Potential Facilities List

Permitted Active Facilities

Facility Name	Street No	Street Name	CITY	Business Type
ACME BIOSCIENCES	394	EAST BAYSHORE ROAD	PALO ALTO	BIOTECH LAB
ANACOR PHARMACEUTICALS, INC.	1020	EAST MEADOW CIRCLE	PALO ALTO	PHARMACEUTICAL RESEARCH & DEVELOPMENT
ANACOR PHARMACEUTICALS, INC.	1060	EAST MEADOW CIRCLE	PALO ALTO	PHARM/RESEARCH
COMMUNICATIONS & POWER INDUSTRIES, LLC	811	HANSEN WAY (BLDG. 2)	PALO ALTO	METAL FINISHING
DIFFRACTION OPTICS	4035	TRANSPORT STREET	PALO ALTO	OPTICAL POLISHING AND GRINDING
GENENCOR, A DANISCO DIVISION	925	PAGE MILL ROAD	PALO ALTO	BIOTECHNOLOGY R&D
HAMMON PLATING CORPORATION	890	COMMERCIAL STREET	PALO ALTO	PRECIOUS METAL PLATING
HEWLETT PACKARD ENTERPRISE COMPANY	1501	PAGE MILL ROAD M/S 1129	PALO ALTO	NON-CATEGORICAL SIU
HILLVIEW CLINICAL LAB	3375	HILLVIEW AVENUE	PALO ALTO	CLINICAL LAB OF STANFORD HOSPITAL
HP, INC.	1501	PAGE MILL ROAD	PALO ALTO	NON-CATEGORICAL SIU
STANFORD CHILDREN'S HEALTH	725	WELCH ROAD	PALO ALTO	HOSPITAL AND MEDICAL SERVICES
LOCKHEED MARTIN SPACE SYSTEM COMPANY	3251	HANOVER STREET	PALO ALTO	AEROSPACE RESEARCH
MERCK SHARP & DOHME CORPORATION	901	SOUTH CALIFORNIA AVE	PALO ALTO	PHARMACEUTICAL RESEARCH
MERCK SHARP & DOHME CORPORATION	855	SOUTH CALIFORNIA AVENUE	PALO ALTO	PHARMACEUTICAL RESEARCH
ONED MATERIAL, LLC	2625	HANOVER STREET	PALO ALTO	RESEARCH LABORATORIES
PALO ALTO LANDFILL	2480	EMBARCADERO ROAD	PALO ALTO	NON-EPA
PALO ALTO MEDICAL FOUNDATION	795	EL CAMINO REAL, BLDG. B & C	PALO ALTO	MEDICAL CLINIC
PALO ALTO RESEARCH CENTER, INC.	3406	HILLVIEW AVENUE, BLDG. 34	PALO ALTO	RESEARCH CENTER - PRINTER AND
PALO ALTO RESEARCH CENTER, INC.	3333	COYOTE HILL ROAD	PALO ALTO	RESEARCH CENTER - PRINTER AND ELECTRONIC
SPACE SYSTEMS/LORAL, LLC	3825	FABIAN WAY	PALO ALTO	SATELLITE SYSTEM MFG.
SPACE SYSTEMS/LORAL, LLC	1034/1036	EAST MEADOW CIRCLE	PALO ALTO	ETCHING, GRINDING, POLISHING
STANFORD SCHOOL OF MEDICINE	1050	ARASTRADERO ROAD	PALO ALTO	BIOMEDICAL RESEARCH
STANFORD SCHOOL OF MEDICINE	3373	HILLVIEW AVENUE, 2ND FLOOR	PALO ALTO	BIOMEDICAL RESEARCH
STANFORD SCHOOL OF MEDICINE	3155	PORTER DRIVE	PALO ALTO	BIOMEDICAL RESEARCH
STANFORD SCHOOL OF MEDICINE	3165	PORTER DRIVE	PALO ALTO	BIOMEDICAL RESEARCH
TARGET DISCOVERY, INC.	4030	FABIAN WAY	PALO ALTO	BIOTECH
TESLA MOTORS INC.	3500	DEER CREEK ROAD	PALO ALTO	VEHICLE BATTERY MANUFACTURING
TRANSLUCENT PHOTONICS	952	COMMERICAL STREET	PALO ALTO	SEMICONDUCTOR RESEARCH LAB
VA PALO ALTO HEALTH CARE SYSTEM	3801	MIRANDA AVENUE	PALO ALTO	EPA NON-CATEGORICAL SIGNIFICANT
VARIAN MEDICAL SYSTEMS	3120	HANSEN WAY	PALO ALTO	MEDICAL EQUIPMENT R & D

VEHICLE SERVICE FACILITIES

Business Name	Street No.	Street Name	City	Business Type
4LESS SMOG CHECK	3508	EL CAMINO REAL	PALO ALTO	VEHICLE
ADVANTAGE AVIATION	1903	EMBARCADERO ROAD	PALO ALTO	VEHICLE
AKINS BODY SHOP	3045	PARK BOULEVARD	PALO ALTO	VEHICLE
AKINS BODY SHOP #2	2905	EL CAMINO REAL	PALO ALTO	VEHICLE
ANDERSON HONDA	1766	EMBARCADERO ROAD	PALO ALTO	VEHICLE
ARCO-PSI5479	699	SAN ANTONIO ROAD	PALO ALTO	VEHICLE
ART'S BODYCRAFT	280	LAMBERT AVENUE	PALO ALTO	VEHICLE
AUDI OF PALO ALTO	1730	EMBARCADERO ROAD	PALO ALTO	VEHICLE
AUTO PRIDE CAR WASH	841	EL CAMINO REAL	PALO ALTO	VEHICLE
AVIS/BUDGET RENT-A-CAR-PA	4230	EL CAMINO REAL	PALO ALTO	VEHICLE
BARRON PARK SHELL SERVICE	3601	EL CAMINO REAL	PALO ALTO	VEHICLE
BRAD LOZARES GOLF PRO SHOP	1875	EMBARCADERO ROAD	PALO ALTO	VEHICLE
CHEVRON USA	3897	EL CAMINO REAL	PALO ALTO	VEHICLE
CMK AUTOMOTIVE, INC.	904	INDUSTRIAL AVENUE	PALO ALTO	VEHICLE
D & M MOTORS	190	CHANNING AVENUE	PALO ALTO	VEHICLE
DAVE'S AUTO REPAIR	830	EAST CHARLESTON ROAD	PALO ALTO	VEHICLE
E-CAR GARAGE	439	LAMBERT AVENUE	PALO ALTO	VEHICLE
ELITE AUTO PERFORMANCE	1963	EL CAMINO REAL	PALO ALTO	VEHICLE
EMBARCADERO SHELL	1161	EMBARCADERO ROAD	PALO ALTO	VEHICLE
ENTERPRISE RENT-A-CAR, PA	814	SAN ANTONIO ROAD	PALO ALTO	VEHICLE
EUROPEAN/ASIAN AUTO SHOP	111	HOMER AVENUE	PALO ALTO	VEHICLE

VEHICLE SERVICE FACILITIES

Business Name	Street No.	Street Name	City	Business Type
FIMBRES' BROTHERS	906	INDUSTRIAL AVENUE	PALO ALTO	VEHICLE
HEINICHEN'S GARAGE	960	HIGH STREET	PALO ALTO	VEHICLE
HENGHELD MOTOR COMPANY	762	SAN ANTONIO ROAD	PALO ALTO	VEHICLE
HERTZ LOCAL EDITION	816	SAN ANTONIO ROAD	PALO ALTO	VEHICLE
HIGH STREET AUTO	904	HIGH STREET	PALO ALTO	VEHICLE
JIFFY LUBE #1297	4195	EL CAMINO REAL	PALO ALTO	VEHICLE
JIFFY LUBE#1283	4201	MIDDLEFIELD ROAD	PALO ALTO	VEHICLE
JIM DAVIS AUTOMOTIVE/VALERO	3972	EL CAMINO REAL	PALO ALTO	VEHICLE
KMAS, INC.	1001	EAST CHARLESTON ROAD	PALO ALTO	VEHICLE
MAGNUSSEN'S TOYOTA OF PALO ALTO	690	SAN ANTONIO ROAD	PALO ALTO	VEHICLE
MATHEWS-CARLSEN BODY WORKS	2480	FABER PLACE	PALO ALTO	VEHICLE
MECHANICA AUTOMOTIVE	788	SAN ANTONIO ROAD	PALO ALTO	VEHICLE
MEISSNER AUTOMOTIVE	811	EAST CHARLESTON ROAD	PALO ALTO	VEHICLE
MSC GARAGE	3201	EAST BAYSHORE ROAD	PALO ALTO	VEHICLE
MUNICIPAL GOLF COURSE MAINTENANCE	1875	EMBARCADERO ROAD	PALO ALTO	VEHICLE
NICHE AUTOMOTIVE	699	SAN ANTONIO ROAD	PALO ALTO	VEHICLE
NINE MINUTE OIL & LUBE	3839	EL CAMINO REAL	PALO ALTO	VEHICLE
OIL CHANGERS	780	SAN ANTONIO ROAD	PALO ALTO	VEHICLE
PALO ALTO AIRPORT	1925	EMBARCADERO ROAD	PALO ALTO	VEHICLE
PALO ALTO BMW	799	ALMA STREET	PALO ALTO	VEHICLE
PALO ALTO FIRE STATION #1	301	ALMA STREET	PALO ALTO	VEHICLE

VEHICLE SERVICE FACILITIES

Business Name	Street No.	Street Name	City	Business Type
PALO ALTO FIRE STATION #2	2675	HANOVER STREET	PALO ALTO	VEHICLE
PALO ALTO FIRE STATION #3	799	EMBARCADERO ROAD	PALO ALTO	VEHICLE
PALO ALTO FIRE STATION #4	3600	MIDDLEFIELD ROAD	PALO ALTO	VEHICLE
PALO ALTO FIRE STATION #5	600	ARASTRADERO ROAD	PALO ALTO	VEHICLE
PALO ALTO FUEL SERVICE	1901	EMBARCADERO ROAD, SUITE 101	PALO ALTO	VEHICLE
PALO ALTO GERMAN CAR CORP	3939	EL CAMINO REAL	PALO ALTO	VEHICLE
PALO ALTO HILLS GOLF & COUNTRY CLUB	3000	ALEXIS DRIVE	PALO ALTO	VEHICLE
PALO ALTO SHELL	2200	EL CAMINO REAL	PALO ALTO	VEHICLE
PALO ALTO SPEEDOMETER	718	EMERSON STREET	PALO ALTO	VEHICLE
PALO ALTO UNIF SCH'L DIST: PA HS	25	CHURCHILL AVENUE	PALO ALTO	VEHICLE
PALO ALTO UNOCAL SERVICE	835	SAN ANTONIO ROAD	PALO ALTO	VEHICLE
ROSSI AIRCRAFT, INC.	1903	EMBARCADERO ROAD	PALO ALTO	VEHICLE
SAY RAY AUTO SERVICE	3251	ASH STREET	PALO ALTO	VEHICLE
SMOG PROS/ARCO	840	SAN ANTONIO ROAD	PALO ALTO	VEHICLE
STANFORD AUTO CARE	290	LAMBERT AVENUE	PALO ALTO	VEHICLE
STREETFX CUSTOMS	748	SAN ANTONIO ROAD	PALO ALTO	VEHICLE
TESLA MOTORS, INC.	4180	EL CAMINO REAL	PALO ALTO	VEHICLE
THE CAR DOCTOR	710	SAN ANTONIO ROAD	PALO ALTO	VEHICLE
VALERO USA, PA	705	SAN ANTONIO ROAD	PALO ALTO	VEHICLE
VALERO USA-PA2	1963	EL CAMINO REAL	PALO ALTO	VEHICLE
VOLVO OF PALO ALTO (McLAREN)	4190	EL CAMINO REAL	PALO ALTO	VEHICLE

VEHICLE SERVICE FACILITIES

Business Name	Street No.	Street Name	City	Business Type
WEST VALLEY AIRCRAFT SERVICES	1901	EMBARCADERO ROAD	PALO ALTO	VEHICLE
WEST VALLEY FLYING CLUB	1901	EMBARCADERO ROAD, SUITE 100	PALO ALTO	VEHICLE
YEAMAN AUTO BODY	2025	EAST BAYSHORE ROAD	PALO ALTO	VEHICLE

FOOD SERVICE ESTABLISHMENTS

Business Name	Address	Unit	City	Business Type
260 CALIFORNIA AVE	260 California Avenue		PALO ALTO	FOOD SERVICE
7-ELEVEN FOOD STORE #18584	401 Waverley Street		PALO ALTO	FOOD SERVICE
7-ELEVEN STORE #2234-14315G	708 Colorado Avenue		PALO ALTO	FOOD SERVICE
A G FERRARI FOODS	200 Hamilton Avenue		PALO ALTO	FOOD SERVICE
A1 LIQUORS	3866 El Camino Real Road		PALO ALTO	FOOD SERVICE
ABUNDANT AIR CAFE	1901 Embarcadero Road	103	PALO ALTO	FOOD SERVICE
ACE OF SANDWICHES, THE	3866 El Camino Real Road		PALO ALTO	FOOD SERVICE
ADDISON	650 Addison Avenue		PALO ALTO	FOOD SERVICE
ADLAI E STEVENSON HOUSE	455 Charleston Road		PALO ALTO	FOOD SERVICE
ALL SAINT EPISCOPAL CHURCH	555 Waverley Street		PALO ALTO	FOOD SERVICE
AMARIN THAI CUISINE	407 Lytton Avenue		PALO ALTO	FOOD SERVICE
AMBER DHARA	150 UNIVERSITY Avenue		PALO ALTO	FOOD SERVICE
AMERICAN GIRL	180 El Camino Real Road	820	PALO ALTO	FOOD SERVICE
ANATOLIAN KITCHEN	2323 Birch Street		PALO ALTO	FOOD SERVICE
ANTONIO'S NUT HOUSE	321 California Avenue		PALO ALTO	FOOD SERVICE
AQUARIUS THEATER	430 Emerson Street		PALO ALTO	FOOD SERVICE
ASIAN BOX	855 El Camino Real Road		PALO ALTO	FOOD SERVICE
AVENIDAS SENIOR CENTER	272 University Avenue		PALO ALTO	FOOD SERVICE
AVENUE, THE	403 University Avenue		PALO ALTO	FOOD SERVICE
BAJA FRESH MEXICAN GRILL	3990 El Camino Real Road		PALO ALTO	FOOD SERVICE
BANGKHOK THAI CUISINE	320 University Avenue		PALO ALTO	FOOD SERVICE
BARRON PARK ELEMENTARY SCHOOL	800 Barron Avenue		PALO ALTO	FOOD SERVICE
BASKIN ROBBINS ICE CREAM	2615 Middlefield Road		PALO ALTO	FOOD SERVICE
BAUME FRENCH CUISINE MODERNE	201 California Avenue		PALO ALTO	FOOD SERVICE
BAY CAFÉ @ Palo Alto Golf Course	1875 Embarcadero Road		PALO ALTO	FOOD SERVICE
BECKMAN INSTRUMENTS CAFETERIA	1050 Page Mill Road		PALO ALTO	FOOD SERVICE
BEE CAFE	2479 Bayshore Road	708	PALO ALTO	FOOD SERVICE
BELCAMPO MEAT COMPANY	855 El Camino Real Road		PALO ALTO	FOOD SERVICE
BILL'S CAFÉ	3163 Middlefield Road		PALO ALTO	FOOD SERVICE
BIRD DOG	420 Ramona Street		PALO ALTO	FOOD SERVICE
BISTRO ELAN	2363 Birch Street		PALO ALTO	FOOD SERVICE
BISTRO ELAN	448 California Avenue		PALO ALTO	FOOD SERVICE

FOOD SERVICE ESTABLISHMENTS

Business Name	Address	Unit	City	Business Type
BISTRO MAXINE	548 Ramona Street		PALO ALTO	FOOD SERVICE
BLUE BOTTLE	456 UNIVERSITY Avenue		PALO ALTO	FOOD SERVICE
BLUE SKY 4AW3655	3000 El Camino Real Road		PALO ALTO	FOOD SERVICE
BON APPETIT @ WM WARE	3405 Hillview Avenue	BLDG C	PALO ALTO	FOOD SERVICE
BON VIVANT CAFÉ	535 Bryant Court		PALO ALTO	FOOD SERVICE
BUCA DI BEPPO	643 Emerson Street		PALO ALTO	FOOD SERVICE
BURMA RUBY	326 University Avenue		PALO ALTO	FOOD SERVICE
CABANA-CROWN PLAZA	4290 El Camino Real Road		PALO ALTO	FOOD SERVICE
CAFA A LA CARTE	730 Welch Road		PALO ALTO	FOOD SERVICE
CAFE 220	220 University Avenue	B	PALO ALTO	FOOD SERVICE
CAFE BRIOCHE	445 California Avenue		PALO ALTO	FOOD SERVICE
CAFÉ DEL DOGE	419 University Avenue		PALO ALTO	FOOD SERVICE
CAFÉ EPI	405 University Avenue		PALO ALTO	FOOD SERVICE
CAFE PIAZZA	3000 El Camino Real Road	BLDG 1	PALO ALTO	FOOD SERVICE
CAFE PRO BONO	2437 Birch Street		PALO ALTO	FOOD SERVICE
CAFÉ VENETIA	419 University Avenue		PALO ALTO	FOOD SERVICE
CAFÉ VIE - Stanford Hoover Building	211 Quarry Road		PALO ALTO	FOOD SERVICE
CAFFE RIACE	200 Sheridan Avenue	102	PALO ALTO	FOOD SERVICE
CALAFIA	855 El Camino Real Road		PALO ALTO	FOOD SERVICE
CALIFORNIA CAFE BAR & GRILL	700 Welch Road		PALO ALTO	FOOD SERVICE
CALIFORNIA PIZZA KITCHEN @SSC	180 El Camino Real Road	136	PALO ALTO	FOOD SERVICE
CARDINAL SUSHI	2051 El Camino Real Road		PALO ALTO	FOOD SERVICE
CASA ISABEL	2434 Park Boulevard		PALO ALTO	FOOD SERVICE
CASTILLEJA SCHOOL	1310 Bryant Street		PALO ALTO	FOOD SERVICE
CELIA'S MEXICAN RESTAURANT	3740 El Camino Real Road		PALO ALTO	FOOD SERVICE
CHANNING HOUSE	850 Waverley Street		PALO ALTO	FOOD SERVICE
CHEESECAKE FACTORY	375 University Avenue		PALO ALTO	FOOD SERVICE
CHEF ZHAO'S KITCHEN	2180 Bayshore Road		PALO ALTO	FOOD SERVICE
CHEZ FRANC	415 California Avenue		PALO ALTO	FOOD SERVICE
CHINA DELIGHT	461 Emerson Street		PALO ALTO	FOOD SERVICE
CHINA MEI	3781 El Camino Real Road		PALO ALTO	FOOD SERVICE
CHIPOTLE	2675 El Camino Real Road		PALO ALTO	FOOD SERVICE

FOOD SERVICE ESTABLISHMENTS

Business Name	Address	Unit	City	Business Type
CHIPOTLE @ SSC	180 El Camino Real Road	15A	PALO ALTO	FOOD SERVICE
CHO'S RESTAURANT	213 California Avenue		PALO ALTO	FOOD SERVICE
CIBO RESTAURANT & BAR	3398 El Camino Real Road		PALO ALTO	FOOD SERVICE
CINE ARTS AT PALO ALTO SQUARE	3000 El Camino Real Road	2	PALO ALTO	FOOD SERVICE
CLASSIC RESIDENCE BY HYATT	620 Sand Hill Road		PALO ALTO	FOOD SERVICE
CLEMENT HOTEL	711 El Camino Real Road		PALO ALTO	FOOD SERVICE
COCOLA BAKERY	180 El Camino Real Road		PALO ALTO	FOOD SERVICE
COCONUTS	642 Ramona Street		PALO ALTO	FOOD SERVICE
COLD STONE CREAMERY	855 El Camino Real Road	9	PALO ALTO	FOOD SERVICE
COMO ESTA TAQUERIA	2605 Middlefield Road	A	PALO ALTO	FOOD SERVICE
CORNER BAKERY	3375 El Camino Real Road		PALO ALTO	FOOD SERVICE
COUNTER, THE	369 California Avenue		PALO ALTO	FOOD SERVICE
COUNTRY SUN	440 California Avenue		PALO ALTO	FOOD SERVICE
COUPA CAFE	538 Ramona Street		PALO ALTO	FOOD SERVICE
COUPA CAFÉ	111 Lytton Avenue		PALO ALTO	FOOD SERVICE
COWPER INN	705 Cowper Street		PALO ALTO	FOOD SERVICE
CRAWFISH FUSION	423 University Avenue		PALO ALTO	FOOD SERVICE
CREAM	440 University Avenue		PALO ALTO	FOOD SERVICE
CREPEVINE	367 University Avenue		PALO ALTO	FOOD SERVICE
CROSSROADS WORLD MARKET	720 San Antonio Avenue		PALO ALTO	FOOD SERVICE
CRUSTACEAN	564 University Avenue		PALO ALTO	FOOD SERVICE
CURRY UP NOW	321 Hamilton Avenue		PALO ALTO	FOOD SERVICE
DA SICHUAN BISTRO	3781 El Camino Real Road		PALO ALTO	FOOD SERVICE
DANNY BROWNS	4141 El Camino Real Road		PALO ALTO	FOOD SERVICE
DARBAR INDIAN CUISINE	129 Lytton Avenue		PALO ALTO	FOOD SERVICE
DAVIDS TEA	318 University Avenue		PALO ALTO	FOOD SERVICE
DG'S GB	640 Emerson Street		PALO ALTO	FOOD SERVICE
DINAH'S POOLSIDE COFFEE SHOP	4261 El Camino Real Road		PALO ALTO	FOOD SERVICE
DOMINO'S PIZZA	240 California Avenue	B	PALO ALTO	FOOD SERVICE
DOUCE D'FRANCE	855 El Camino Real Road	104	PALO ALTO	FOOD SERVICE
DRIFTWOOD MARKET	3450 El Camino Real Road		PALO ALTO	FOOD SERVICE
DUVENECK SCHOOL	705 Alester Avenue		PALO ALTO	FOOD SERVICE

FOOD SERVICE ESTABLISHMENTS

Business Name	Address	Unit	City	Business Type
EDGEWOOD PLAZA	2080 Channing Avenue		PALO ALTO	FOOD SERVICE
EL CARMELO SCHOOL	3024 Bryant Street		PALO ALTO	FOOD SERVICE
ELBE RESTAURANT & RUDY'S PUB	117 University Avenue		PALO ALTO	FOOD SERVICE
EPI	405 UNIVERSITY Avenue		PALO ALTO	FOOD SERVICE
EPIPHANY HOTEL	180 Emerson Street		PALO ALTO	FOOD SERVICE
EQUINOX FITNESS CLUB	435 Acacia Avenue		PALO ALTO	FOOD SERVICE
EVVIA	420 Emerson Street		PALO ALTO	FOOD SERVICE
FACEBOOK	1601 California Avenue		PALO ALTO	FOOD SERVICE
FAIRMEADOW SCHOOL	500 Meadow Road		PALO ALTO	FOOD SERVICE
FAMBRINI'S TERRACE BISTRO	2600 El Camino Real Road		PALO ALTO	FOOD SERVICE
FIGO	326 University Avenue		PALO ALTO	FOOD SERVICE
FIRE OAK & BARLEY BY LE BOULANGER	341 California Avenue		PALO ALTO	FOOD SERVICE
FIRST CONGREGATIONAL CHURCH	1985 Louis Road		PALO ALTO	FOOD SERVICE
FIRST PRESBYTERIAN CHURCH	1140 Cowper Street		PALO ALTO	FOOD SERVICE
FISH MARKET THE	3150 El Camino Real Road		PALO ALTO	FOOD SERVICE
FLEMING'S STEAKHOUSE	180 El Camino Real Road		PALO ALTO	FOOD SERVICE
FOOTHILL SWIM & TENNIS CLUB	3351 Miranda Avenue		PALO ALTO	FOOD SERVICE
FRAN'S MARKET	499 Lytton Avenue		PALO ALTO	FOOD SERVICE
FRY'S ELECTRONICS #1-Iron Trail Café	340 Portage Avenue		PALO ALTO	FOOD SERVICE
FUKI SUSHI	4119 El Camino Real Road		PALO ALTO	FOOD SERVICE
GARDEN COURT HOTEL	520 Cowper Street	2	PALO ALTO	FOOD SERVICE
GARDEN FRESH	460 Ramona Street		PALO ALTO	FOOD SERVICE
GATEAU ET GANACHE	3261 Ash Street	B2	PALO ALTO	FOOD SERVICE
GELATO CLASSICO #2	435 Emerson Street		PALO ALTO	FOOD SERVICE
GODIVA SHOCOLATIER	180 El Camino Real Road	301	PALO ALTO	FOOD SERVICE
GOOD EARTH CAFE & BAKERY	1520 Page Mill Road		PALO ALTO	FOOD SERVICE
GOOD EARTH PATIO CAFE	1899 Page Mill Road		PALO ALTO	FOOD SERVICE
GOOGLE - Golden Castle Adult Day Care	3803 Bayshore Road		PALO ALTO	FOOD SERVICE
GOOGLE NEST @ 3400 Hillview Ave.	3400 HILLVIEW Avenue		PALO ALTO	FOOD SERVICE
GOOGLE NEST @ 4001 Miranda Ave.	4001 Miranda Avenue		PALO ALTO	FOOD SERVICE
GOTT'S ROADSIDE	855 El Camino Real Road	67	PALO ALTO	FOOD SERVICE

FOOD SERVICE ESTABLISHMENTS

Business Name	Address	Unit	City	Business Type
GOURMET FRANKS	180 El Camino Real Road	199	PALO ALTO	FOOD SERVICE
GREEN ELEPHANT GOURMET	3950 Middlefield Road		PALO ALTO	FOOD SERVICE
GROCERY OUTLET BARGAIN MARKET	3445 Alma Street		PALO ALTO	FOOD SERVICE
GUCKENHEIMER @ COOLEY GODWARD KRONISH	3175 Hanover Street		PALO ALTO	FOOD SERVICE
GUCKENHEIMER @ PARC	3333 Coyote Hill Road		PALO ALTO	FOOD SERVICE
GUCKENHEIMER @ STIEFEL/CONNETICS	3160 Porter Drive		PALO ALTO	FOOD SERVICE
GUCKENHEIMER @ WILSON SONSINI GOODRICH	601 California Avenue		PALO ALTO	FOOD SERVICE
GUCKENHEIMER @ WILSON SONSINI GOODRICH	950 Page Mill Road		PALO ALTO	FOOD SERVICE
GUNN HIGH SCHOOL	780 Arastradero Road		PALO ALTO	FOOD SERVICE
GYROS GYROS	498 University Avenue		PALO ALTO	FOOD SERVICE
HAPPY DONUTS	3916 El Camino Real Road		PALO ALTO	FOOD SERVICE
HEWLETT PACKARD	3000 Hanover Street		PALO ALTO	FOOD SERVICE
HILTON GARDEN INN	4220 El Camino Real Road	2	PALO ALTO	FOOD SERVICE
HILTON HOMEWOOD INN	4329 EL CAMINO REAL Road	3	PALO ALTO	FOOD SERVICE
HOBEE'S RESTAURANT	4224 El Camino Real Road		PALO ALTO	FOOD SERVICE
HOMMA'S BROWN RICE SUSHI	2363 Birch Street	B	PALO ALTO	FOOD SERVICE
HONEY BAKED HAM	4113 El Camino Real Road		PALO ALTO	FOOD SERVICE
HONG KONG RESTAURANT	3691 El Camino Real Road		PALO ALTO	FOOD SERVICE
HOOVER SCHOOL	445 Charleston Road		PALO ALTO	FOOD SERVICE
HOUSE OF BAGELS	2190 Bayshore Road		PALO ALTO	FOOD SERVICE
HOWIE'S ARTISAN PIZZA	855 El Camino Real Road	60	PALO ALTO	FOOD SERVICE
IL FORNAIO	520 Cowper Street		PALO ALTO	FOOD SERVICE
INDO	3295 El Camino Real Road		PALO ALTO	FOOD SERVICE
INDOCHINE	2710 Middlefield Road		PALO ALTO	FOOD SERVICE
IZZY'S BROOKLYN BAGELS	477 California Avenue		PALO ALTO	FOOD SERVICE
J J & F FOOD STORE	520 College Avenue		PALO ALTO	FOOD SERVICE
JACK IN THE BOX	2280 El Camino Real Road		PALO ALTO	FOOD SERVICE
JADE PALACE	151 California Avenue	E101	PALO ALTO	FOOD SERVICE
JAMBA JUICE	180 El Camino Real Road		PALO ALTO	FOOD SERVICE
JAMBA JUICE #325	3990 El Camino Real Road	2	PALO ALTO	FOOD SERVICE
JANE LATHROP STANFORD MIDDLE SCHOOL	480 Meadow Road		PALO ALTO	FOOD SERVICE
JANTA INDIAN CUISINE	369 Lytton Avenue		PALO ALTO	FOOD SERVICE

FOOD SERVICE ESTABLISHMENTS

Business Name	Address	Unit	City	Business Type
JAPANESE TAPAS AND RAMEN	799 San Antonio Avenue		PALO ALTO	FOOD SERVICE
JEWISH DAY SCHOOL - Gideon Hausner	470 San Antonio Avenue		PALO ALTO	FOOD SERVICE
JIN SHO	454 California Avenue		PALO ALTO	FOOD SERVICE
JING JING RESTAURANT	443 Emerson Street		PALO ALTO	FOOD SERVICE
JOANIE'S CAFÉ	405 California Avenue		PALO ALTO	FOOD SERVICE
JORDAN MIDDLE SCHOOL	750 California Avenue		PALO ALTO	FOOD SERVICE
JOYA	339 University Avenue		PALO ALTO	FOOD SERVICE
JUANA BRIONES SCHOOL	4100 Orme ST Street		PALO ALTO	FOOD SERVICE
KANPAI	330 Lytton Avenue		PALO ALTO	FOOD SERVICE
KARA'S CUPCAKES	855 El Camino Real Road		PALO ALTO	FOOD SERVICE
KEHILLAH JEWISH HIGH SCHOOL	3900 Fabian Way		PALO ALTO	FOOD SERVICE
KIRK'S STEAKBURGERS	855 El Camino Real Road	75	PALO ALTO	FOOD SERVICE
KRUNG SIAM THAI CUISINE	423 University Avenue		PALO ALTO	FOOD SERVICE
L&L HAWAIIAN BBQ	3890 El Camino Real Road		PALO ALTO	FOOD SERVICE
LA BAGUETTE	180 El Camino Real Road	170	PALO ALTO	FOOD SERVICE
LA BODEGUITA	463 California Avenue		PALO ALTO	FOOD SERVICE
LA COMIDA	450 Bryant Street		PALO ALTO	FOOD SERVICE
LA MORENITA RESTAURANT	800 Emerson Street		PALO ALTO	FOOD SERVICE
LA STRADA	335 University Avenue		PALO ALTO	FOOD SERVICE
LEMONADE	151 University Avenue		PALO ALTO	FOOD SERVICE
LOCAL UNION 271	271 University Avenue		PALO ALTO	FOOD SERVICE
LOTUS THAI BISTRO	425 California Avenue		PALO ALTO	FOOD SERVICE
LOVING HUT	165 University Avenue		PALO ALTO	FOOD SERVICE
LUCILE S PACKARD CHILDREN'S HOSP	725 Welch Road		PALO ALTO	FOOD SERVICE
LUCILLE NIXON ELEMENTARY SCHOOL	1711 STANFORD Avenue		PALO ALTO	FOOD SERVICE
LULU'S	855 El Camino Real Road	49	PALO ALTO	FOOD SERVICE
LUNCHSTOP @ LOCKHEED MARTIN #206	3251 Hanover Street	206	PALO ALTO	FOOD SERVICE
LYFE	167 Hamilton Avenue		PALO ALTO	FOOD SERVICE
MACARTHUR PARK	27 University Avenue		PALO ALTO	FOOD SERVICE
MANDARIN ROOTS	3345 El Camino Real Road		PALO ALTO	FOOD SERVICE
MANGO CARIBBEAN RESTAURANT	435 Hamilton Avenue		PALO ALTO	FOOD SERVICE

FOOD SERVICE ESTABLISHMENTS

Business Name	Address	Unit	City	Business Type
MAX'S OPERA CAFE	180 El Camino Real Road	711	PALO ALTO	FOOD SERVICE
MAYFIELD BAKERY & CAFÉ	855 El Camino Real Road		PALO ALTO	FOOD SERVICE
MCDONALD'S @ SSC	180 El Camino Real Road	190	PALO ALTO	FOOD SERVICE
MCDONALD'S RESTAURANT #3094	3128 El Camino Real Road		PALO ALTO	FOOD SERVICE
MEDITERRANEAN WRAPS	433 California Avenue		PALO ALTO	FOOD SERVICE
MEDITERRANEAN WRAPS	209 University Avenue		PALO ALTO	FOOD SERVICE
MELT, THE	180 El Camino Real Road		PALO ALTO	FOOD SERVICE
MIKE'S CAFE ETC	2680 Middlefield Road		PALO ALTO	FOOD SERVICE
MITCHELL PARK LIBRARY	3700 Middlefield Road		PALO ALTO	FOOD SERVICE
MOLLIE STONES MARKET	164 California Avenue		PALO ALTO	FOOD SERVICE
MOUNTAIN MIKE'S PIZZA	3918 Middlefield Road		PALO ALTO	FOOD SERVICE
NEIMAN-MARCUS RESTAURANT	180 El Camino Real Road	400	PALO ALTO	FOOD SERVICE
NEST HOTEL	3901 El Camino Real Road		PALO ALTO	FOOD SERVICE
NEW YORK NEW YORK	125 UNIVERSITY Avenue		PALO ALTO	FOOD SERVICE
NEW YORK PIZZA	325 Hamilton Avenue		PALO ALTO	FOOD SERVICE
NOLA'S	535 Ramona Street		PALO ALTO	FOOD SERVICE
NORDSTROM #422	180 El Camino Real Road	550	PALO ALTO	FOOD SERVICE
O SUSHI HOUSE	403 University Avenue		PALO ALTO	FOOD SERVICE
O'DORI SUSHI	2111 El Camino Real Road		PALO ALTO	FOOD SERVICE
OHLONE SCHOOL	950 Amarillo Avenue		PALO ALTO	FOOD SERVICE
OLD PRO	545 Ramona Street		PALO ALTO	FOOD SERVICE
OPA	140 University Avenue		PALO ALTO	FOOD SERVICE
OREN'S HUMMUS SHOP	261 University Avenue		PALO ALTO	FOOD SERVICE
OSTERIA	247 Hamilton Avenue		PALO ALTO	FOOD SERVICE
PALANTIR TECHNOLOGIES	101 University Avenue		PALO ALTO	FOOD SERVICE
PALO ALTO BAKING COMPANY	381 California Avenue		PALO ALTO	FOOD SERVICE
PALO ALTO BREAKFAST HOUSE	2706 Middlefield Road		PALO ALTO	FOOD SERVICE
PALO ALTO BUDDHIST TEMPLE	2751 Louis Road		PALO ALTO	FOOD SERVICE
PALO ALTO CAFE	2675 Middlefield Road	A	PALO ALTO	FOOD SERVICE
PALO ALTO CITY HALL CAFE	250 Hamilton Avenue		PALO ALTO	FOOD SERVICE
PALO ALTO COMMONS - North	4041 El Camino Way		PALO ALTO	FOOD SERVICE

FOOD SERVICE ESTABLISHMENTS

Business Name	Address	Unit	City	Business Type
PALO ALTO ELKS LODGE	4249 El Camino Real Road		PALO ALTO	FOOD SERVICE
PALO ALTO HILLS GOLF & COUNTRY CLUB	3000 Alexis Drive		PALO ALTO	FOOD SERVICE
PALO ALTO MOSQUE	998 San Antonio Avenue		PALO ALTO	FOOD SERVICE
PALO ALTO NURSING CENTER	911 Bryant Street		PALO ALTO	FOOD SERVICE
PALO ALTO PIZZA CO.	2434 Park Boulevard		PALO ALTO	FOOD SERVICE
PALO ALTO SENIOR HIGH SCHOOL	50 Embarcadero Road		PALO ALTO	FOOD SERVICE
PALO ALTO SOL	408 California Avenue		PALO ALTO	FOOD SERVICE
PALO VERDE SCHOOL	3450 Louis Road		PALO ALTO	FOOD SERVICE
PAMF GUCKENHEIMER	795 El Camino Real Road		PALO ALTO	FOOD SERVICE
PAMPAS	529 Alma Street		PALO ALTO	FOOD SERVICE
PANACHE CATERING	3261 Ash Street	B	PALO ALTO	FOOD SERVICE
PANDA EXPRESS	2310 El Camino Real Road		PALO ALTO	FOOD SERVICE
PAPA JOHN'S PIZZA	3898 El Camino Real Road		PALO ALTO	FOOD SERVICE
PAPA MURPHYS	2730 Middlefield Road		PALO ALTO	FOOD SERVICE
PAPA MURPHY'S @ ECR	3850 EL CAMINO REAL Road		PALO ALTO	FOOD SERVICE
PAPASITO'S SPORTS BAR & GRILL	2115 Saint Francis Drive		PALO ALTO	FOOD SERVICE
PARIS BAGUETTE	383 University Avenue		PALO ALTO	FOOD SERVICE
PASTIS BISTRO	447 California Avenue		PALO ALTO	FOOD SERVICE
PATIO @ Rudy's, The	412 Emerson Street		PALO ALTO	FOOD SERVICE
PATXI'S CHICAGO PIZZA	441 Emerson Street		PALO ALTO	FOOD SERVICE
PEET'S COFFEE	436 University Avenue		PALO ALTO	FOOD SERVICE
PEET'S COFFEE & TEA	855 El Camino Real Road	77	PALO ALTO	FOOD SERVICE
PEET'S COFFEE & TEA	153 Homer Avenue		PALO ALTO	FOOD SERVICE
PEET'S COFFEE & TEA #111	3904 Middlefield Road		PALO ALTO	FOOD SERVICE
PENINSULA CREAMERY DAIRY FOUNTAIN	900 High Street		PALO ALTO	FOOD SERVICE
PENINSULA FOUNTAIN & GRILL	566 Emerson Street		PALO ALTO	FOOD SERVICE
PF CHANG'S CHINA BISTRO	180 El Camino Real Road	900	PALO ALTO	FOOD SERVICE
PHILZ COFFEE	3191 Middlefield Road		PALO ALTO	FOOD SERVICE
PIAZZA'S FINE FOODS GROCERY	3922 Middlefield Road		PALO ALTO	FOOD SERVICE
PIEOLOGY PIZZERIA	2305A El Camino Way		PALO ALTO	FOOD SERVICE
PINK POSY, Suite 721	180 El Camino Real		PALO ALTO	FOOD SERVICE

FOOD SERVICE ESTABLISHMENTS

Business Name	Address	Unit	City	Business Type
PINK POSY, Suite 99	180 El Camino Real		PALO ALTO	FOOD SERVICE
PINKBERRY FROZEN YOGURT	180 El Camino Real	14	PALO ALTO	FOOD SERVICE
PIZZA CHICAGO	4115 El Camino Real Road		PALO ALTO	FOOD SERVICE
PIZZA MY HEART	220 University Avenue		PALO ALTO	FOOD SERVICE
PIZZERIA DELFINA	651 Emerson Street		PALO ALTO	FOOD SERVICE
PLAYGROUND GLOBAL	380 Portage Avenue		PALO ALTO	FOOD SERVICE
PLUTO'S	482 University Avenue		PALO ALTO	FOOD SERVICE
PRINTERS CAFE	320 California Avenue		PALO ALTO	FOOD SERVICE
PROLIFIC OVEN THE	550 Waverley Street		PALO ALTO	FOOD SERVICE
R&B SEAFOOD RESTAURANT	2209 El Camino Real Road		PALO ALTO	FOOD SERVICE
RAMONA'S PIZZA	2313 Birch Street		PALO ALTO	FOOD SERVICE
RANGOON RUBY	445 Emerson Street		PALO ALTO	FOOD SERVICE
RED MANGO/AUNTIE ANNE'S	180 El Camino Real Road		PALO ALTO	FOOD SERVICE
RENZO	473 UNIVERSITY Avenue		PALO ALTO	FOOD SERVICE
REPASADO	236 Hamilton Avenue		PALO ALTO	FOOD SERVICE
RICE THAI CUISINE	3924 El Camino Real		PALO ALTO	FOOD SERVICE
RICK'S ICE CREAM	3950 Middlefield Road		PALO ALTO	FOOD SERVICE
ROJOZ WRAPS	3906 Middlefield Road		PALO ALTO	FOOD SERVICE
RONALD MCDONALD HOUSE	50 El Camino Real Road		PALO ALTO	FOOD SERVICE
ROSE & CROWN	547 Emerson Street		PALO ALTO	FOOD SERVICE
ROUND TABLE PIZZA	702 Colorado Avenue		PALO ALTO	FOOD SERVICE
ROUND TABLE PIZZA #15	263 University Avenue		PALO ALTO	FOOD SERVICE
SAFEWAY #1682	2811 Middlefield Road		PALO ALTO	FOOD SERVICE
SAM'S CHOWDER HOUSE	185 University Avenue		PALO ALTO	FOOD SERVICE
SANCHO'S TAQUERIA	2727 Middlefield Road		PALO ALTO	FOOD SERVICE
SANCHO'S TAQUERIA	491 Lytton Avenue		PALO ALTO	FOOD SERVICE
SAP CAFÉ D-BON APPETIT	3410 Hillview Avenue		PALO ALTO	FOOD SERVICE
SAP CAFETERIA @ 3420 Hillview Ave	3420 Hillview Avenue		PALO ALTO	FOOD SERVICE
SAP CAFETERIA @ 3450 Hillview Ave	3450 Hillview Avenue		PALO ALTO	FOOD SERVICE
SAP CAFETERIA-BON APPETIT	3475 Deer Creek Road		PALO ALTO	FOOD SERVICE
SAP-BON APPETIT	3412 Hillview Avenue		PALO ALTO	FOOD SERVICE

FOOD SERVICE ESTABLISHMENTS

Business Name	Address	Unit	City	Business Type
SATURA CAKES	320 University Avenue		PALO ALTO	FOOD SERVICE
SCHAUB'S MEAT FISH & POULTRY	180 El Camino Real Road	395	PALO ALTO	FOOD SERVICE
SCOOP MICROCREAMERY	203 University Avenue		PALO ALTO	FOOD SERVICE
SCOTTY'S BAR	548 Emerson Street		PALO ALTO	FOOD SERVICE
SEA BY ALEXANDER'S STEAKHOUSE, THE	4269 El Camino Real Road		PALO ALTO	FOOD SERVICE
SEE'S CANDIES #45	180 El Camino Real Road	680	PALO ALTO	FOOD SERVICE
SHERATON PALO ALTO	625 El Camino Real Road		PALO ALTO	FOOD SERVICE
SHOJI SUSHI	201 University Avenue		PALO ALTO	FOOD SERVICE
SHOKOOLAT	516 University Avenue		PALO ALTO	FOOD SERVICE
SIAM ORCHID	496 Hamilton Avenue		PALO ALTO	FOOD SERVICE
SIAM ROYAL AUTHENTIC THAI CUISINE	338 University Avenue		PALO ALTO	FOOD SERVICE
SIGONA FARMERS MKT	180 El Camino Real Road	399	PALO ALTO	FOOD SERVICE
SIMPLY SANDWICHES	2431 Ash Street		PALO ALTO	FOOD SERVICE
SLIDERBAR CAFÉ	324 University Avenue		PALO ALTO	FOOD SERVICE
SO GONG DONG TOFU HOUSE	4127 El Camino Real Road	A	PALO ALTO	FOOD SERVICE
SODEXHO @ SCHERING PLOUGH BIOPHARMA	901 California Avenue		PALO ALTO	FOOD SERVICE
SODEXHO MGNT INC@ HP3000 HANOVER BLD	3000 Hanover Street	20C	PALO ALTO	FOOD SERVICE
SODEXHO MNGT INC-HP STANFORD SITE	1501 Page Mill Road		PALO ALTO	FOOD SERVICE
SOS FINE FOODS	949 Emerson Street		PALO ALTO	FOOD SERVICE
SPACE SYSTEMS LORAL	3825 Fabian Way		PALO ALTO	FOOD SERVICE
SPAGO	265 Lytton Avenue		PALO ALTO	FOOD SERVICE
SPALTI RISTORANTE	417 California Avenue		PALO ALTO	FOOD SERVICE
SPICE KIT	340 California Avenue		PALO ALTO	FOOD SERVICE
SPOT-A-PIZZA PLACE	115 Hamilton Avenue		PALO ALTO	FOOD SERVICE
SPRINKLES	180 El Camino Real Road		PALO ALTO	FOOD SERVICE
SPROUTS	168 University Avenue		PALO ALTO	FOOD SERVICE
SSC Bloomingdale's Redevelopment Project	180 El Camino Real Road		PALO ALTO	FOOD SERVICE
ST ELIZABETH SETON SCHOOL	1095 Channing Avenue		PALO ALTO	FOOD SERVICE
ST MICHAEL'S ALLEY THE ANNEX	806 Emerson Street		PALO ALTO	FOOD SERVICE
STANFORD SHOPPING CENTER TRASH/RECYCLING	180 El Camino Real Road		PALO ALTO	FOOD SERVICE

FOOD SERVICE ESTABLISHMENTS

Business Name	Address	Unit	City	Business Type
STANFORD HOSPITAL & CLINICS - CAFÉ VIE	2445 Faber Place		PALO ALTO	FOOD SERVICE
STANFORD TERRACE INN	531 Stanford Avenue		PALO ALTO	FOOD SERVICE
STANFORD THEATRE FOUNDATION	221 University Avenue		PALO ALTO	FOOD SERVICE
STANFORD UNIVERSITY	3160 Porter Drive		PALO ALTO	FOOD SERVICE
STARBUCKS #5555	2775 Middlefield Road		PALO ALTO	FOOD SERVICE
STARBUCKS #9870	361 California Avenue		PALO ALTO	FOOD SERVICE
STARBUCK'S @ Edgewood Plaza	2190 Bayshore Road		PALO ALTO	FOOD SERVICE
STARBUCK'S COFFEE #17011	3885 El Camino Real Road		PALO ALTO	FOOD SERVICE
STARBUCKS COFFEE #2822	180 El Camino Real Road	79	PALO ALTO	FOOD SERVICE
STARBUCKS COFFEE #2886	4131 El Camino Real Road	101	PALO ALTO	FOOD SERVICE
STARBUCKS COFFEE #5541	2000 El Camino Real Road		PALO ALTO	FOOD SERVICE
STARBUCKS COFFEE #565	376 University Avenue		PALO ALTO	FOOD SERVICE
STEAM	209 University Avenue		PALO ALTO	FOOD SERVICE
SU HONG	4256 El Camino Real Road		PALO ALTO	FOOD SERVICE
SU HONG RESTAURANT PALO ALTO	4111 El Camino Way		PALO ALTO	FOOD SERVICE
SUBWAY	205 University Avenue		PALO ALTO	FOOD SERVICE
SUBWAY - Piazza's Shopping Center	3962 Middlefield Road		PALO ALTO	FOOD SERVICE
SUBWAY #27048	421 California Avenue		PALO ALTO	FOOD SERVICE
SUBWAY #30816	4131 El Camino Real Road		PALO ALTO	FOOD SERVICE
SUBWAY #32950 - Midtown	2717 Middlefield Road		PALO ALTO	FOOD SERVICE
SUNDANCE MINE COMPANY	1921 El Camino Real Road		PALO ALTO	FOOD SERVICE
SUSHI HOUSE	855 El Camino Real Road	158	PALO ALTO	FOOD SERVICE
SUSHI TOMO	4131 El Camino Way		PALO ALTO	FOOD SERVICE
SUSHIRITTO	448 University Avenue		PALO ALTO	FOOD SERVICE
SWEETGREEN	261 Hamilton Avenue		PALO ALTO	FOOD SERVICE
SZECHWAN CAFE	406 California Avenue		PALO ALTO	FOOD SERVICE
TACO BELL #2297	910 Charleston Road		PALO ALTO	FOOD SERVICE
TACOLICIOUS	636 Emerson Street		PALO ALTO	FOOD SERVICE
TAI PAN	560 Waverley Street		PALO ALTO	FOOD SERVICE
TAMARINE RESTAURANT	546 University Avenue		PALO ALTO	FOOD SERVICE
TAQUERIA AZTECA	321 California Avenue	2	PALO ALTO	FOOD SERVICE

FOOD SERVICE ESTABLISHMENTS

Business Name	Address	Unit	City	Business Type
TAQUERIA EL GRULLENSE	3636 El Camino Real Road		PALO ALTO	FOOD SERVICE
TAVA INDIAN KITCHEN	855 El Camino Real Road		PALO ALTO	FOOD SERVICE
TEA TIME-TEA LOVERS SHOP	542 Ramona Street		PALO ALTO	FOOD SERVICE
TERMAN MIDDLE SCHOOL	655 Arastradero Road		PALO ALTO	FOOD SERVICE
TERRONE PIZZERIA	448 California Avenue		PALO ALTO	FOOD SERVICE
TEUSCHER CHOCOLATE OF SWITZERLAND	180 El Camino Real Road	151	PALO ALTO	FOOD SERVICE
THAIPHOON RESTAURANT	543 Emerson Street		PALO ALTO	FOOD SERVICE
THREE SEASONS RESTAURANT	518 Bryant Street		PALO ALTO	FOOD SERVICE
TIBCO-BON APPETIT	3307 Hillview Avenue		PALO ALTO	FOOD SERVICE
TIMOTHY ADAMS CHOCOLATES	539 Bryant Street		PALO ALTO	FOOD SERVICE
TIN POT CREAMERY	855 El Camino Real Road		PALO ALTO	FOOD SERVICE
TOFU HOUSE	4217 El Camino Real Road		PALO ALTO	FOOD SERVICE
TOOTSIES	700 Welch Road		PALO ALTO	FOOD SERVICE
TOUT SWEET	855 El Camino Real Road		PALO ALTO	FOOD SERVICE
TRADER JOES	855 El Camino Real Road		PALO ALTO	FOOD SERVICE
UMAMI BURGER	452 University Avenue		PALO ALTO	FOOD SERVICE
UNIVERSITY CLUB OF PALO ALTO	3277 Miranda Avenue		PALO ALTO	FOOD SERVICE
UZUMAKI SUSHI	451 California Avenue		PALO ALTO	FOOD SERVICE
VA HOSPITAL	3801 Miranda Avenue		PALO ALTO	FOOD SERVICE
VARIAN CAFETERIA	3130 Hansen Way	4B	PALO ALTO	FOOD SERVICE
VERO	530 Bryant Street		PALO ALTO	FOOD SERVICE
VILLAGE CHEESE HOUSE INC	855 El Camino Real Road	157	PALO ALTO	FOOD SERVICE
VIN VINO WINE	437 California Avenue		PALO ALTO	FOOD SERVICE
VINA	7000 Welch Road		PALO ALTO	FOOD SERVICE
VINO LOCALE	431 Kipling Street		PALO ALTO	FOOD SERVICE
VM WARE	902 Arastradero Road		PALO ALTO	FOOD SERVICE
VMWARE BUILDING HTC	3431 Hillview Avenue		PALO ALTO	FOOD SERVICE
WALTER HAYS SCHOOL	1525 Middlefield Road		PALO ALTO	FOOD SERVICE
WESTERN DINING @ CPI	811 Hansen Way		PALO ALTO	FOOD SERVICE
WESTIN PALO ALTO	675 El Camino Real Road		PALO ALTO	FOOD SERVICE
WHOLE FOODS MARKET	774 Emerson Street		PALO ALTO	FOOD SERVICE

FOOD SERVICE ESTABLISHMENTS

Business Name	Address	Unit	City	Business Type
WILSON SONSINI GOODRICH - Guckenheimer	650 Page Mill Road		PALO ALTO	FOOD SERVICE
WINE ROOM, THE	520 Ramona Street		PALO ALTO	FOOD SERVICE
YAYOI	403 UNIVERSITY Avenue		PALO ALTO	FOOD SERVICE

Business Name	Street No.	Street Name	City	Business Type
AJ'S QUICK CLEAN CENTER	3175	MIDDLEFIELD ROAD	PALO ALTO	DRY CLEANERS
CALIFORNIA AVENUE NORGE	240	CALIFORNIA AVENUE, SOUTH	PALO ALTO	DRY CLEANERS
CHARLESTON CLEANERS	3900	MIDDLEFIELD ROAD	PALO ALTO	DRY CLEANERS
EMERSON LAUNDRY CENTER	926	EMERSON STREET	PALO ALTO	DRY CLEANERS
FINE CLEANERS	2103	EL CAMINO REAL	PALO ALTO	DRY CLEANERS
GATE CLEANERS	439	HAMILTON AVENUE	PALO ALTO	DRY CLEANERS
HOLIDAY CLEANERS	595	BRYANT STREET	PALO ALTO	DRY CLEANERS
MIKE'S ONE HOUR CLEANER	3886	EL CAMINO REAL	PALO ALTO	DRY CLEANERS
NEW HOLIDAY CLEANERS	2685	MIDDLEFIELD ROAD	PALO ALTO	DRY CLEANERS
TOWN & COUNTRY CLEANERS	42	TOWN & COUNTRY VILLAGE	PALO ALTO	DRY CLEANERS

Business Name	Street No.	Street Name	City	Business Type
A DOG'S LIFE PALO ALTO	885	COMMERCIAL STREET	PALO ALTO	ANIMAL SERVICES
CITY OF PALO ALTO ANIMAL SERVICES	3281	BAYSHORE ROAD	PALO ALTO	ANIMAL SERVICES
CITY OF PALO ALTO JUNIOR MUSEUM AND ZOO	1451	MIDDLEFIELD ROAD	PALO ALTO	ANIMAL SERVICES
EL CAMINO ANIMAL HOSPITAL	2951	EL CAMINO REAL	PALO ALTO	ANIMAL SERVICES
SOUTH PENINSULA VETERINARY EMERGENCY CLINIC	3045	MIDDLEFIELD ROAD	PALO ALTO	ANIMAL SERVICES
THE ANIMAL DOCTORS	461	PAGE MILL ROAD	PALO ALTO	ANIMAL SERVICES
VCA PALO ALTO ANIMAL HOSPITAL	3944	EL CAMINO REAL	PALO ALTO	ANIMAL SERVICES
VCA STANFORD ANIMAL HOSPITAL	4111	EL CAMINO REAL	PALO ALTO	ANIMAL SERVICES
HASSETT ACE HARDWARE STORE	875	ALMA STREET	PALO ALTO	BUILDING MATERIAL CENTERS
PENINSULA HARDWARE	2676	MIDDLEFIELD ROAD	PALO ALTO	BUILDING MATERIAL CENTERS
VA PALO ALTO HEALTH CARE SYSTEM	3801	MIRANDA AVENUE	PALO ALTO	CLEANING SERVICES
PALO ALTO LANDFILL	2380	EMBARCADERO WAY	PALO ALTO	LANDFILLS
PALO ALTO ELECTRIC MOTOR COMPANY	920	COMMERCIAL STREET	PALO ALTO	MISCELLANEOUS
STANGENES INDUSTRIES	1052	EAST MEADOW CIRCLE	PALO ALTO	MISCELLANEOUS
BARRON PARK NURSERY AND FLORIST	3876	EL CAMINO REAL	PALO ALTO	NURSERIES / GREENHOUSES
CIARDELLA'S GARDEN SUPPLY, INC.	1001	SAN ANTONIO ROAD	PALO ALTO	NURSERIES / GREENHOUSES
SUMMER WINDS NURSERY	725	SAN ANTONIO ROAD	PALO ALTO	NURSERIES / GREENHOUSES
COMMON GROUNDS ORGANIC GARDEN SUPPLY	559	COLLEGE AVENUE	PALO ALTO	NURSERIES / GREENHOUSES
CITY OF PALO ALTO RECYCLING CENTER	2380	EMBARCADERO ROAD	PALO ALTO	RECYCLING CENTERS

Appendix 5-1
C.5.c.iii Complaint and Spill Response Phone
Number and Spill Contact List Screenshot

REPORT SPILLS, ILLEGAL DUMPING NEAR STORM DRAINS & SEWER BACKUPS

Nothing besides clean water may be allowed to flow into a storm drain. Illegal discharges can include pesticides, pool water, washwaters, sewage, automotive fluids, paint, construction materials, sediment, silt, and food wastes. Storm drains convey storm water runoff from City streets and gutters directly to local creeks and San Francisco Bay without any treatment. Only rain water and other clean water should go down a storm drain. **Call to report a material in a storm drain:**

- When you see a person dumping anything into the storm drain. This activity is illegal.
- When you notice unusual odors in or near the storm drain.
- When you see dumped wastes and materials in or near the storm drain.
- When the storm drain system has larger than normal flows during dry periods.

Biological and advanced treatment processes are used to clean wastewater and therefore the RWQCP restricts hazardous discharges to the sanitary sewer system. The sanitary sewer transports waste water from inside residences (sinks, toilets, and baths) and businesses to the Regional Water Quality Control Plant (RWQCP) where it is cleaned before it is discharged into the Bay, or additionally treated for use as recycled water.

PALO ALTO

Sewer Back-Ups: 650-496-6995

Storm Drains Blockages: 650-329-2413 (24-hour line, or submit an online work request to Palo Alto 311.)

Hazardous Material Spills & Illegal Dumping in Storm Drains:

650-329-2413 (call this same number when improper storage may lead to a spill, or submit an online work request to Palo Alto 311.)

Reporting Accidental Industry or Business Discharges to Sanitary

Sewer System: (e.g., hazardous materials): 650-329-2598.

EAST PALO ALTO SANITARY DISTRICT

Sewer Back-Ups: 650-325-9021

Storm Drains: 650-853-3189

Hazardous Material Spills & Illegal Dumping: 650-325-9021

Reporting Accidental Industry or Business Discharges to Sanitary

Sewer System: (e.g., hazardous materials): 650-329-2598.

LOS ALTOS

Sewer Back-Ups: 650-947-2785 / 650-947-2770

Storm Drains: 650-948-0482 / 650-948-8223

Hazardous Material Spills & Illegal Dumping: 911

Reporting Accidental Industry or Business Discharges to Sanitary

Sewer System: (e.g., hazardous materials): 650-329-2598.

LOS ALTOS HILLS

Sewer Back-Ups: 650-941-7222 / 408-299-3233

Storm Drains: 650-941-7222 / 408-299-3233

Spills and Dumping: 911

Reporting Accidental Industry or Business Discharges to Sanitary

Sewer System: (e.g., hazardous materials): 650-329-2598.

MOUNTAIN VIEW

Sewer Back-Ups: 650-903-6329

Storm Drains: 650-903-6329

Spills and Dumping: 650-903-6329

Reporting Accidental Industry or Business Discharges to Sanitary

Sewer System: (e.g., hazardous materials): 650-329-2598.

STANFORD

Sewer Back-Ups: 650-723-2281

Storm Drains: 650-723-2281

Spills and Dumping: 650-723-2281

Reporting Accidental Industry or Business Discharges to Sanitary

Sewer System: (e.g., hazardous materials): 650-329-2598.



Appendix 10-1
Baseline Trash Generation and Areas Addressed
by Full Capture Systems and Other Control
Measures in Fiscal Year 15-16

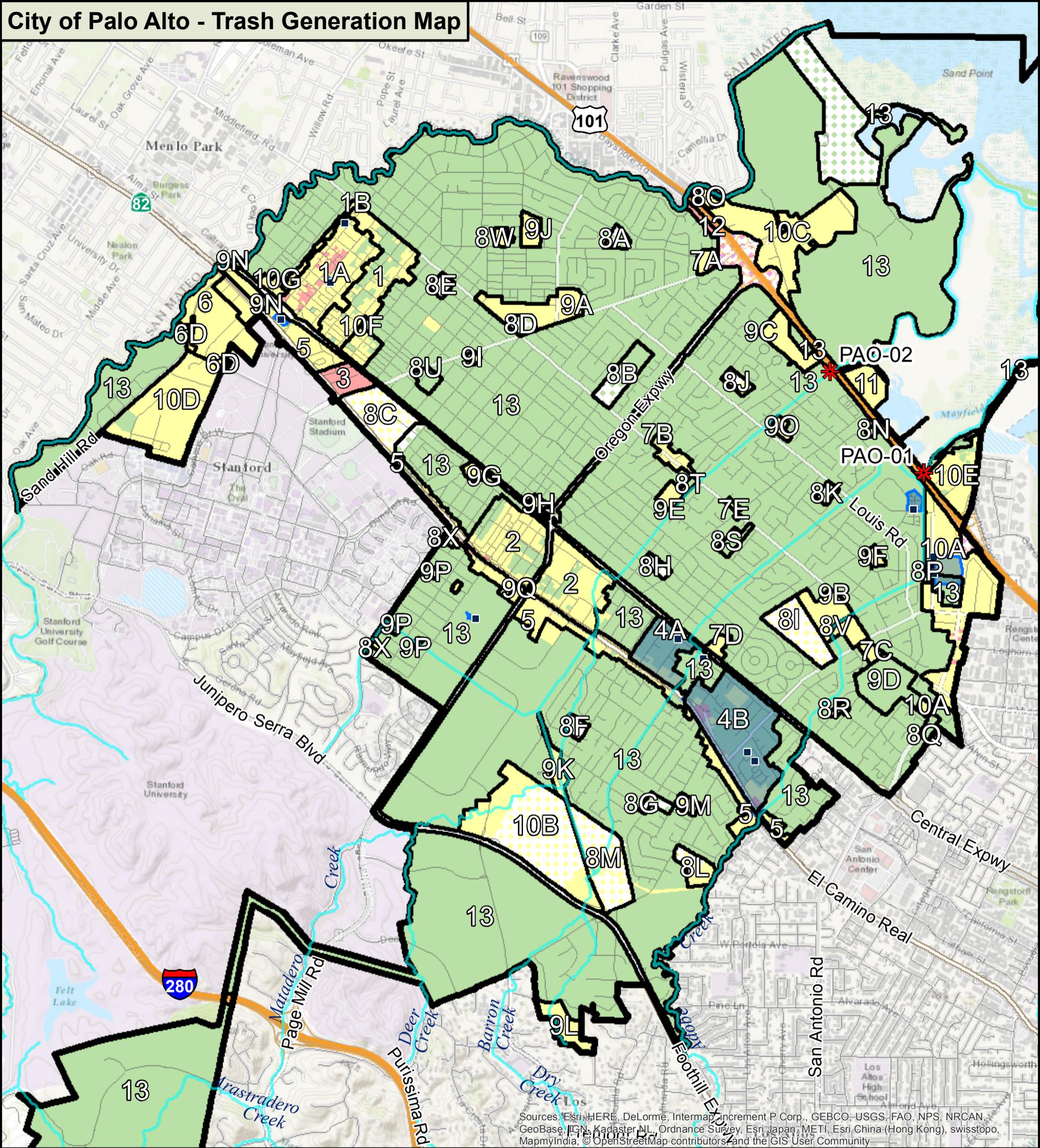
Appendix 10-1. Baseline trash generation and areas addressed by full capture systems and other control measures in Fiscal Year 15-16.

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	32	140	11	0	184	33	139	11	0	184	0%	169	14	11	0	184	11.5%	11.6%
2	35	118	1	0	153	35	118	1	0	153	0%	135	18	1	0	153	6.9%	6.9%
3	0	2	19	0	22	0	2	19	0	22	0%	6	14	2	0	22	3.9%	3.9%
4	129	26	8	0	164	164	0	0	0	164	4.0%	164	0	0	0	164	0%	4.0%
5	11	155	4	0	169	13	154	3	0	169	0.4%	90	78	3	0	169	5.1%	5.6%
6	0	72	0	0	72	0	72	0	0	72	0%	56	17	3	0	72	2.9%	2.9%
7	0	32	1	0	33	0	32	1	0	33	0%	0	32	1	0	33	0%	0%
8	45	52	0	0	97	45	52	0	0	97	0%	45	52	0	0	97	0%	0%
9	41	184	0	0	225	41	184	0	0	225	0%	206	18	0	0	225	11.2%	11.2%
10	15	449	3	0	467	24	440	3	0	467	0.6%	24	440	3	0	467	0%	0.6%
11	0	20	0	0	20	0	20	0	0	20	0%	0	20	0	0	20	0%	0%
12	0	0	5	0	5	0	0	5	0	5	0%	0	0	5	0	5	0%	0%
13	12361	10	0	0	12370	12361	10	0	0	12370	0%	12361	10	0	0	12370	0%	0%
Totals	12,668	1,260	53	0	13,981	12,715	1,224	43	0	13,981	29.7%*	13,274	876	26	0	13,981	41.6%	71.3%*

*The total jurisdiction-wide reduction reported for full capture systems includes 24.6% reduction associated 1,578 acres (25% of treatment area) treated by two trash booms operated on Matadero and Adobe Creeks by the City and/or SCVWD.

Appendix 10-2
Revised Baseline Trash Generation Map and
Areas Currently Addressed by Full Capture
Systems

City of Palo Alto - Trash Generation Map



Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

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

