



September 13, 2011

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

Attention: Selina Louie

Subject: Annual Report of Stormwater Program Implementation for FY 2010/2011

Dear Mr. Wolfe:

Enclosed is the City of Livermore's Annual Report of Stormwater Program Implementation for the FY 2010/2011.

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

If you have questions regarding this report, please contact Steven Aguiar, Environmental Compliance Supervisor, at 925-960-8126.

Sincerely,

A handwritten signature in black ink, appearing to read "Darren Greenwood".

Darren Greenwood
Assistant Public Works Director
Water Resources Division, Public Works Department
Phone number: 925-960-8120
Fax number: 925-960-8105

cc: Dan McIntyre, Director of Public Works
Fred Jarvis, EOA Inc.
Jim Scanlin, Alameda County

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Section 1 – Permittee Information

Background Information				
Permittee Name:	City of Livermore			
Population:	83,604			
NPDES Permit No.:	CAS612008			
Order Number:	R2-2009-0074			
Reporting Time Period (month/year):	July / 2010 through June / 2011			
Name of the Responsible Authority:	Darren Greenwood		Title:	Assistant Public Works Director
Mailing Address:	101 W. Jack London Blvd.			
City:	Livermore	Zip Code:	94551	County: Alameda
Telephone Number:	925-960-8100	Fax Number:	925-960-8105	
E-mail Address:	dggreenwood@ci.livermore.ca.us			
Name of the Designated Stormwater Management Program Contact (if different from above):	Steven Aguiar		Title:	Environmental Compliance Supervisor
Department:	Public Works- Water Resources Division			
Mailing Address:	101 W. Jack London Blvd.			
City:	Livermore	Zip Code:	94551	County: Alameda
Telephone Number:	925-960-8126	Fax Number:	925-960-8105	
E-mail Address:	smaguiar@ci.livermore.ca.us			

Section 2 - Provision C.2 Reporting Municipal Operations

Program Highlights and Evaluation

Highlight/summarize activities for reporting year:

Summary:

Refer to the C.2 Municipal Operations section of the countywide Program's FY 10-11 Annual Report for a description of activities implemented at the countywide and/or regional level.

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

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

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

Comments:

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

Place an **X** in the boxes next to implemented BMPs to indicate that these BMPs were implemented in applicable instances. If not applicable, type **NA** in the box. If one or more of these 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 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
<input checked="" type="checkbox"/>	Implementation of the BASMAA Mobile Surface Cleaner Program BMPs

Comments:

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

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

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

Comments:
 None

C.2.d. ► Stormwater Pump Stations

Does your municipality own stormwater pump stations:

Yes

No

If your answer is **No** then skip to **C.2.e.**

Complete the following table for dry weather DO monitoring and inspection data for pump stations¹ (add more rows for additional pump stations):

Pump Station Name and Location	First inspection Dry Weather DO Data		Second Inspection Dry Weather DO Data	
	Date	mg/L	Date	mg/L
Murietta Pump Station: Stanley Blvd. and Murietta Blvd	7/27/2010	3.4	NP	
P Street Pump Station: Railroad Ave. and P Street	7/27/2010	3.2	NP	
North Livermore Pump Station: Railroad Ave. and North Livermore	7/27/2010	1.6	NP	

Summarize corrective actions as needed for DO monitoring at or below 3 mg/L. Attach inspection records of additional DO monitoring for corrective actions:

During the 7/27/2010 inspections, there was not a significant volume of water in the wet wells at the time DO readings were measured. In addition to the insignificant volume of water contained in the pump station wet wells, two of the pump stations (P Street and North Livermore) discharge into a storm sewer line that is greater or equal to 1 mile of pipeline prior to discharging to a receiving water. For these reasons, no additional DO monitoring or other actions were implemented.

NP = Not Performed

¹ Pump stations that pump stormwater into stormwater collection systems or infiltrate into a dry creek immediately downstream are exempt from DO monitoring.

Complete the following table for wet weather inspection data for pump stations (add more rows for additional pump stations):

Pump Station Name and Location	Date (2x/year required)	Presence of Trash (Cubic Yards)	Presence of Odor (Yes or No)	Presence of Color (Yes or No)	Presence of Turbidity (Yes or No)	Presence of Floating Hydrocarbons (Yes or No)
Murietta Pump Station: Stanley Blvd. and Murietta Blvd	1/31/2011 DO = 3.94					
P Street Pump Station: Railroad Ave. and P Street	1/31/2011 DO = 3.73					
North Livermore Pump Station: Railroad Ave. and North Livermore	1/31/2011 DO = 4.12					
<p>Summary:</p> <p>The City of Livermore was unable to get a second wet weather inspection due to conflicts with staff time availability and scheduling within the observance of the requirement of inspecting in the first business day after a ¼ inch and larger storm event after a minimum of a two week period with no precipitation. During the 1/31//2011, no significant presence of trash, odor, color, turbidity or hydrocarbons was observed in any of the pump stations.</p>						

C.2.e. ► Rural Public Works Construction and Maintenance			
Does your municipality own/maintain rural ² roads:		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
If your answer is No then skip to C.2.f.			
Place an X in the boxes next to implemented BMPs to indicate that these BMPs were implemented in applicable instances. 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 road-related erosion and sediment transport from road design, construction, maintenance, and repairs in rural areas		
<input checked="" type="checkbox"/>	Identification and prioritization of rural road maintenance based on soil erosion potential, slope steepness, and stream habitat resources		
<input checked="" type="checkbox"/>	No impact to creek functions including migratory fish passage during construction of roads and culverts		
<input checked="" type="checkbox"/>	Inspection of rural roads for structural integrity and prevention of impact on water quality		
<input checked="" type="checkbox"/>	Maintenance of rural roads adjacent to streams and riparian habitat to reduce erosion, replace damaging shotgun culverts and excessive erosion		
<input checked="" type="checkbox"/>	Re-grading of unpaved rural roads to slope outward where consistent with road engineering safety standards, and installation of water bars as appropriate		
<input checked="" type="checkbox"/>	Inclusion of measures to reduce erosion, provide fish passage, and maintain natural stream geomorphology when replacing culverts or design of new culverts or bridge crossings		
Comments including listing increased maintenance in priority areas: None			

² Rural means any watershed or portion thereof that is developed with large lot home-sites, such as one acre or larger, or with primarily agricultural, grazing or open space uses.

C.2.f. ► Corporation Yard BMP Implementation			
Place an X in the boxes below that apply to your corporations yard(s):			
<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 current 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: None			
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
Maintenance Service Center	10/27/2011	BMPs implemented; Compliance with requirements	None

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

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

(For FY 10-11 Annual Report only) Provide a brief summary of the methods of implementation of Provisions C.3.a.i.(1)-(8).

Summary:

The City of Livermore has:

1. Legal authority to implement provision C.3 - City of Livermore Municipal Code Chapter 13 and Ordinance 1379, 1,1992 provides the legal authority for the City to enforce National Pollutant Discharge Elimination System Permit requirements.
2. Development review and permitting procedures – Chapter 18 of the City of Livermore Municipal Code authorizes the Planning Commission, City Council, Community Development Department and City Engineer to condition and impose requirements on proposed subdivisions, recommend, approve and implement these requirements. The City has incorporated the conditions of approval adopted by the Alameda County Clean Water Program into the City standard conditions of approval for every development project. Furthermore, the City requires compliance with the permit provisions of the RWQCB stormwater permit with every permitted project in the City of Livermore.
3. Environmental Review procedures and processes that comply with CEQA – Chapter 18 of the City of Livermore Municipal Code also authorizes the Planning Commission, City Council and Community Development Department to require the appropriate environmental review documents and that a determination be made prior to approval of any planning entitlement. As part of the review process stormwater treatment facilities must be shown on the map and plans along with calculations demonstrating the developer is able to comply with the stormwater requirements during final design. These stormwater controls are included in the environmental documents processed for each project. Mitigation measure as applicable are also incorporated into the project to comply with Federal, State and Local environmental regulations.
4. C.3 training - provided by the Alameda County Clean Water Program was attended by Planning, Engineering, Building and Construction Inspection staff as well as provided during a one hour internal Technical Training Session at the City office for City staff.
5. Informational materials - about the stormwater program and updated requirements are available at the counter for the public, developers, contractors, construction site operators and owner/builders. Annual training of staff members includes this information.
6. Site Design Measures for unregulated projects – utilizing the Maximum Extent Practicable (MEP) requirement of the permit site design measures are incorporated into a project as much as possible.
7. Source Control Measures for unregulated projects – utilizing the Maximum Extent Practicable (MEP) requirement of the permit source control measures are incorporated into a project as much as possible.
8. General Plan Revisions – integrating water quality/watershed protection with water supply, flood protection, habitat protection, groundwater recharge and other sustainable development principles and polices were incorporated into the General Plan with the 2005 Update.

C.3.b. ► Green Streets Status Report

(All projects to be completed by December 1, 2014)

On an annual basis (if applicable), report on the status of any pilot green street projects within your jurisdiction. For each completed project, report the capital costs, operation and maintenance costs, legal and procedural arrangements in place to address operation and maintenance and its associated costs, and the sustainable landscape measures incorporated in the project including, if relevant, the score from the Bay-Friendly Landscape Scorecard.

Summary:

Please see the C.3 New Development and Redevelopment section of the countywide program's FY 10-11 Annual Report for a description of the pilot green street projects conducted as part of the countywide program. None of the pilot projects are within the City of Livermore.

C.3.b.v.(1) ► Regulated Projects Reporting Table

See the attached table C.3.b.v.(1).

C.3.c. Low Impact Development Reporting

City staff provided assistance to the countywide program and regional Development Committee and work groups and provided some assistance with the preparation of countywide guidance documents.

C.3.h.iv. ► Installed Stormwater Treatment Systems Operation and Maintenance Verification Inspection Program Reporting

Please see attached table C.3.h.iv.(1).

(2) On an annual basis, 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:

Generally stormwater treatment devices work well as long as they are installed properly. With a more stringent inspection program during construction for on-site private commercial developments the devices will be constructed correctly when first installed. During this reporting period twenty-nine devices were inspected and only five devices required further action. Two of these were given verbal warnings. One for improper maintenance of a detention basin and another for improper maintenance of a CDS unit. For the other three trash removal, routine servicing of a CDS unit and reconstruction of a swale to remedy excessive ponding were all sufficient to allow the devices to function properly. This is more than twice as many as last year when thirteen stormwater treatment systems were inspected. Although no enforcement actions were taken last year four devices required cleaning before the wet season and one project was not signed off until after the correct landscaping was installed per the approved plans. In all cases the appropriate actions were taken to remedy the identified problems.

(3) On an annual basis, 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 program is generally working well. City planning, engineering, building and public works inspectors are properly trained. Building inspectors are becoming better trained. During the development review process developers and city staff understand stormwater treatment requirements and apply them appropriately. To properly enforce C.3. stormwater requirements more detailed designs are required to provide sufficient evidence that the proposed treatment devices will properly treat the impervious surfaces. This affects the CEQA review process also because more detail is required for stormwater treatment devices in the environmental document to do the level of environmental review required by outside resource agencies. This results in a longer more time intensive review during the entitlement process. As a result this contributes to projects becoming cost prohibitive to develop. Often the review time required for projects during the design process is increased as well due to the challenges of retrofitting stormwater treatment devices into classically developed neighborhoods. Policy changes to allow more regionally based stormwater treatment and detention upgrades to off-set the small increased stormwater from in-fill development would be much more cost effective.

Construction inspection is excellent for public facilities and improving for on-site private stormwater facilities. Post entitlement inspections have increased in number yet the total time spent on routine inspections has decreased due to inspectors being pulled away from inspection duties to address the increased reporting requirements (29 inspections with 4 identified corrections up from 13 inspections last year with five corrections). When the total time for reporting exceeds the total time required for all other program elements the increased reporting requirements appear excessive and not cost effective.

The City is in the process of coordinating better internally between on-site and off-site inspections and has developed an interface to our permitting software to enter data into our permit system throughout the year so that better information is collected and stored for easier more efficient reference and less time intensive end of year reporting.

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

Project Name Project No.	Project Location ³ , Street Address	Name of Developer	Project Phase No. ⁴	Project Type & Description ⁵	Project Watershed ⁶	Total Site Area (ft ²)	Total Area of Land Disturbed (ft ²)	Total New Impervious Surface Area (ft ²)	Total Replaced Impervious Surface Area (ft ²)	Total Pre-Project Impervious Surface Area ⁷ (ft ²)	Total Post- Project Impervious Surface Area ⁸ (ft ²)
Private Projects											
Charter HS APN: 905 0018101300	3142 Constitution Drive	Douglas Roth (Tri- Valley Learning Corp.)	NA	Construct Amphitheater	M – Collier Creek/Arroyo Las Positas	NA	NA	NA	NA	NA	NA
Silver Oaks Skilled Nursing Facility APN: 097 009002909	752 Holmes Street	Anelli Stamm (Freanel & Son Som. LLC)	NA	CUP and LLA for Nursing Facility	G – Arroyo Mocho	16,000	16,000	1,854	13,300	13,300	15,154
Hexcel APN: 099 137500304	75 Mines Road, North	Hexcel Corporation	NA	Convert to Residential	P – Arroyo Seco/Arroyo Las Positas	645,124	645,124	0	293,270	580,612	293,270
Cal Water APN: 099 018806700	419 Egret Road	California Water Service	NA	Construct 8'x16' Building	G – Arroyo Mocho	7,514	0	0	128	128	128
Aero Precision APN: 904 000401606	30 Lindbergh Avenue	Evren Ergin (EEMD LLC)	NA	Add Exterior Generator for Aero Precision Industries	H – Arroyo Las Positas	72,310	140	140	0	52,460	52,600
Meritage APN: 099B 535100900	6412 Scenic Avenue	Manny Silva (Meritage Homes)	NA	Subdivide Existing Parcel	H – Arroyo Las Positas	217,800	217,800	97,055	14,000	111,055	194,110

³ include cross streets

⁴ If a project is being constructed in phases, indicate the phase number and use a separate row entry for each phase. If not, enter "NA".

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

⁶ State the watershed(s) in which the Regulated Project is located. Optional but recommended: Also state the downstream watershed(s).

⁷ For redevelopment projects, state the pre-project impervious surface area.

⁸ For redevelopment projects, state the post-project impervious surface area.

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

Project Name Project No.	Project Location ³ , Street Address	Name of Developer	Project Phase No. ⁴	Project Type & Description ⁵	Project Watershed ⁶	Total Site Area (ft ²)	Total Area of Land Disturbed (ft ²)	Total New Impervious Surface Area (ft ²)	Total Replaced Impervious Surface Area (ft ²)	Total Pre-Project Impervious Surface Area ⁷ (ft ²)	Total Post- Project Impervious Surface Area ⁸ (ft ²)
Paragon Outlets APN: Multiple	Paragon Outlets (100-900 El Charro, Paragon Outlets)	Salem Richard LaHood (Paragon Outlets Livermore Valley LLC)	NA	Construct the new Paragon Outlets	G – Arroyo Las Positas	1,801,258	1,801,258	1,020,022	0	0	1,020,022
Macedo APN: 099B 507500608	1000 Vasco Road, North	Eugene & Shirley Macedo (Macedo Development)	NA	Subdivide land into 50 single-family detached residential lots	H – Arroyo Las Positas	253,083	253,083	-8,590	130,877	139,477	130,877
Public Projects											
El Charro CIP	El Charro CIP	City of Livermore, Various Others	NA	Construct the new Paragon Outlets Livermore	G – Arroyo Mocho	1,801,258	1,801,258	1,020,022	0	0	1,020,022
Isabel Interchange, Portola	Isabel (SR-84), Airway, Kitty Hawk	City of Livermore	NA	Utility Relocation, Road Extension	H – Arroyo Las Positas	1,088,969	823,284	146,015	677,269	653,386	969,299
Trail CIP 2007-15, Segment H-2+F	East side of Wente, South side of Mariana	City of Livermore	NA	Trail Improvements	G – Arroyo Mocho	110,000	110,000	96,800	0	0	96,800
Comments: 4. Letter designations identify the watersheds of Zone 7 lines. Stormwater eventually flows into Alameda Creek before it reaches the San Francisco Bay											

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

Project Name Project No.	Application Deemed Complete Date ⁹	Application Final Approval Date ⁹	Source Control Measures ¹⁰	Site Design Measures ¹¹	Treatment Systems Approved ¹²	Operation & Maintenance Responsibility Mechanism ¹³	Hydraulic Sizing Criteria ¹⁴	Alternative Compliance Measures ^{15/16}	Alternative Certification ¹⁷	HM Controls ^{18/19}
Private Projects										
Charter HS APN: 905 0018101300	Deemed Incomplete	NA	Standard Source Control Measures Required as Conditions of Approval	Standard Site Design Measures Required as Conditions of Approval	None yet	O&M Agreement	None yet	NA	NA	None yet
Silver Oaks Skilled Nursing Facility APN: 097 009002909	Deemed Incomplete (03/18/2011)	NA	Standard Source Control Measures Required as Conditions of Approval	Standard Site Design Measures Required as Conditions of Approval	Bioretention swales	O&M Agreement	Flow – 2.c. Volume – 1.b	NA	NA	Bioretention
Hexcel APN: 099 137500304	Deemed Incomplete (01/07/2011)	NA	Standard Source Control Measures Required as Conditions of Approval	Standard Site Design Measures Required as Conditions of Approval	Bioretention Swales	O&M Agreement / LMD	Flow – 2.c Volume – 1.b	NA	NA	Bioretention
Cal Water APN: 099 018806700	02/04/2011	04/18/2011	Standard Source Control Measures Required as Conditions of	Standard Site Design Measures Required as Conditions of	landscaping	None required	None required	NA	NA	< acre - none required

⁹ For private projects, state project application deemed complete date and final discretionary approval date.

¹⁰ List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.

¹¹ List site design measures approved for the project. Examples include: minimize impervious surfaces; conserve natural areas, including existing trees or other vegetation, and soils; construct sidewalks, walkways, and/or patios with permeable surfaces, etc.

¹² List all approved stormwater treatment system(s) to be installed onsite or at a joint stormwater treatment facility (e.g., flow through planter, bioretention facility, infiltration basin, etc.).

¹³ List the legal mechanism(s) (e.g., O&M agreement with private landowner; O&M agreement with homeowners' association; O&M by public entity, etc...) that have been or will be used to assign responsibility for the maintenance of the post-construction stormwater treatment systems.

¹⁴ See Provision C.3.d.i. "Numeric Sizing Criteria for Stormwater Treatment Systems" for list of hydraulic sizing design criteria. Enter the corresponding provision number of the appropriate criterion (i.e., 1.a., 1.b., 2.a., 2.b., 2.c., or 3).

¹⁵ For Alternative Compliance at an offsite location in accordance with Provision C.3.e.i.(1), on a separate page, give a discussion of the alternative compliance site including the information specified in Provision C.3.b.v.(1)(m)(i) for the offsite project.

¹⁶ For Alternative Compliance by paying in-lieu fees in accordance with Provision C.3.e.i.(2), on a separate page, provide the information specified in Provision C.3.b.v.(1)(m)(ii) for the Regional Project.

¹⁷ Note whether a third party was used to certify the project design complies with Provision C.3.d.

¹⁸ If HM control is not required, state why not.

¹⁹ If HM control is required, state control method used (e.g., method to design and size device(s) or method(s) used to meet the HM Standard, and description of device(s) or method(s) used, such as detention basin(s), bioretention unit(s), regional detention basin, or in-stream control).

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

Project Name Project No.	Application Deemed Complete Date ⁹	Application Final Approval Date ⁹	Source Control Measures ¹⁰	Site Design Measures ¹¹	Treatment Systems Approved ¹²	Operation & Maintenance Responsibility Mechanism ¹³	Hydraulic Sizing Criteria ¹⁴	Alternative Compliance Measures ^{15/16}	Alternative Certification ¹⁷	HM Controls ^{18/19}
			Approval	Approval						
Aero Precision APN: 904 000401606	07/28/2011?	08/04/2011	Standard Source Control Measures Required as Conditions of Approval	Standard Site Design Measures Required as Conditions of Approval	Bioretention Swales	O&M Agreement	Volume – 1.b. Swales also used – Flow 2.c.	NA	NA	Bioretention
Meritage APN: 099B 535100900	03/31/2011	06/13/2011	Standard Source Control Measures Required as Conditions of Approval	Standard Site Design Measures Required as Conditions of Approval	Bioretention Swales	O&M Agreement	Volume – 1.b. Swales also used – Flow 2.c.	NA	NA	Bioretention
Paragon Outlets APN: Multiple	07/19/2011	07/19/2011	Standard Source Control Measures Required as Conditions of Approval	Standard Site Design Measures Required as Conditions of Approval	Bioretention swales and Detention Basins	O&M Agreement	Volume – 1.b. Swales also used – Flow 2.c.	NA	NA	Bioretention
Macedo APN: 099B 507500608	02/05/2011	03/14/2011	Standard Source Control Measures Required as Conditions of Approval	Standard Site Design Measures Required as Conditions of Approval	Bioretention Basins	O&M Agreement / LMD	Volume – 1.b	NA	NA	Bioretention

C.3.b.v.(1) ► Regulated Projects Reporting Table (part 2) – Projects Approved During the Fiscal Year Reporting Period										
Project Name Project No.	Is Funding Committed? ²⁰	Date Construction Scheduled to Begin ²⁰	Source Control Measures ²¹	Site Design Measures ²²	Treatment Systems Approved ²³	Operation & Maintenance Responsibility Mechanism ²⁴	Hydraulic Sizing Criteria ²⁵	Alternative Compliance Measures ^{26/27}	Alternative Certification ²⁸	HM Controls ^{29/30}
Public Projects										
El Charro CIP	Yes	June 2011	Standard Source Control Measures Required as Conditions of Approval	Standard Site Design Measures Required as Conditions of Approval	Hydromodification Basins serving El Charro Specific Plan Area and swales along roadway and between mass fill area and trail	Operation and Maintenance Agreement with private property owners funded through a landscape maintenance district.	Flow – 2.c Volume 1.b	NA	NA	Hydromodification Basins and bio- retention swales
Isabel Interchange, Portola	Yes	October 2009	Standard Source Control Measures Required as Conditions of Approval	Standard Site Design Measures Required as Conditions of Approval	Swales	City	Flow – 2.c	NA	NA	Bioretention Swales
2007-15, Segment H- 2+F	Yes	October 2010	Standard Source Control Measures Required as Conditions of Approval	Standard Site Design Measures Required as Conditions of Approval	Swales	LARPD	Flow – 2.c	NA	NA	Bioretention Swales
Comments:										

²⁰ For public projects, enter “Yes” or “No” under “Is Funding Committed?” and enter a date under “Date Construction Scheduled to Begin”.

²¹ List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.

²² List site design measures approved for the project. Examples include: minimize impervious surfaces; conserve natural areas, including existing trees or other vegetation, and soils; construct sidewalks, walkways, and/or patios with permeable surfaces, etc.

²³ List all approved stormwater treatment system(s) to be installed onsite or at a joint stormwater treatment facility (e.g., flow through planter, bioretention facility, infiltration basin, etc.).

²⁴ List the legal mechanism(s) (e.g., O&M agreement with private landowner; O&M agreement with homeowners’ association; O&M by public entity, etc...) that have been or will be used to assign responsibility for the maintenance of the post-construction stormwater treatment systems.

²⁵ See Provision C.3.d.i. “Numeric Sizing Criteria for Stormwater Treatment Systems” for list of hydraulic sizing design criteria. Enter the corresponding provision number of the appropriate criterion (i.e., 1.a., 1.b., 2.a., 2.b., 2.c., or 3).

²⁶ For Alternative Compliance at an offsite location in accordance with Provision C.3.e.i.(1), on a separate page, give a discussion of the alternative compliance site including the information specified in Provision C.3.b.v.(1)(m)(i) for the offsite project.

²⁷ For Alternative Compliance by paying in-lieu fees in accordance with Provision C.3.e.i.(2), on a separate page, provide the information specified in Provision C.3.b.v.(1)(m)(ii) for the Regional Project.

²⁸ Note whether a third party was used to certify the project design complies with Provision C.3.d.

²⁹ If HM control is not required, state why not.

³⁰ If HM control is required, state control method used (e.g., method to design and size device(s) or method(s) used to meet the HM Standard, and description of device(s) or method(s) used, such as detention basin(s), bioretention unit(s), regional detention basin, or in-stream control).

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

Project Name Project No.	Is Funding Committed? ²⁰	Date Construction Scheduled to Begin ²⁰	Source Control Measures ²¹	Site Design Measures ²²	Treatment Systems Approved ²³	Operation & Maintenance Responsibility Mechanism ²⁴	Hydraulic Sizing Criteria ²⁵	Alternative Compliance Measures ^{26/27}	Alternative Certification ²⁸	HM Controls ^{29/30}
24,25,26 No alternative compliance nor alternative certifications were needed. All projects used standard treatment and detention devices and City staff reviewed all projects.										

C.3.h.iv. ► Installed Stormwater Treatment Systems Operation and Maintenance Verification Inspection Program Reporting

Name of Facility/Site Inspected	Address of Facility/Site Inspected	Newly Installed? (YES/NO) ³¹	Party Responsible ³² For Maintenance	Date of Inspection	Type of Inspection ³³	Type of Treatment/HM Control(s) Inspected ³⁴	Inspection Findings or Results ³⁵	Enforcement Action Taken ³⁶	Comments
MMR Properties LLC	670 Pinnacle Place	YES	Ryan Callahan, and property owners	09/07/2010	45-day	Mechanical-Inlet Filter	None were visible.	None	
Cable Wholesale	1200 Voyager Street	YES	Terri Emery, Livermore Airway Associates LLC	08/13/2010	45-day	Mechanical-Inlet Filter	None were visible.	None	
Asbury Methodist Church	4743 East Avenue	YES	Wesly Stark	03/16/2011	45-day	Swales	None were visible.	None	
Waxie	901 North Canyons Parkway	YES	Kris Pasker, Wax Properties Ltd	10/15/2010	45-day	Mechanical-Inlet Filter	None were visible.	None	
Clark Pest Control	2313 Research Drive	NO	Clarkson Properties, LP 405 W. Pine St. Lodi, CA	1/31/2011	Routine	Swales	Inlet filters beginning to show sign of wear.	None	
Livermore Porsche	3100 Las Positas Road	NO	Livermore Porsche	7/29/2010	Routine	CDS/Swales	No visible problems	None	
Livermore	3200 Las Positas	NO	Livermore Honda	7/29/2010	Routine	CDS	Unit needs servicing.	Verbal Notice	Unit required to be

³¹ Indicate "YES" if the facility was installed within the reporting period, or "NO" if installed during a previous fiscal year.

³² State the responsible operator for installed stormwater treatment systems and HM controls.

³³ State the type of inspection (e.g., 45-day, routine or scheduled, follow-up, etc.).

³⁴ State the type(s) of treatment systems inspected (e.g., bioretention facility, flow-through planter, infiltration basin, etc...) and the type(s) of HM controls inspected, and indicate whether the treatment system is an onsite, joint, or offsite system.

³⁵ State the inspection findings or results (e.g., proper installation, improper installation, proper O&M, immediate maintenance needed, etc.).

³⁶ State the enforcement action(s) taken, if any, as appropriate and consistent with your municipality's Enforcement Response Plan.

C.3.h.iv. ► Installed Stormwater Treatment Systems Operation and Maintenance Verification Inspection Program Reporting

Name of Facility/Site Inspected	Address of Facility/Site Inspected	Newly Installed? (YES/NO) ³¹	Party Responsible ³² For Maintenance	Date of Inspection	Type of Inspection ³³	Type of Treatment/HM Control(s) Inspected ³⁴	Inspection Findings or Results ³⁵	Enforcement Action Taken ³⁶	Comments
Honda	Road								cleaned by 10/15/2010
Livermore Audi	3400 Las Positas Road	NO	Livermore Audi	7/29/2010	Routine	CDS	Unit needs servicing (trash & debris)	None	Unit required to be cleaned by 10/15/2010
Livermore Jaguar	3500 Las Positas Road	NO	Livermore Jaguar	7/29/2010	Routine	Swales	No visible problems	None	
Livermore Subaru	3600 Las Positas Road	NO	Livermore Subaru	7/29/2010	Routine	Swales	No visible problems	None	
Montessori School	1277 N. Livermore Avenue	YES	Montessori School	9/22/2010	Routine	Swales	No visible problems	None	
US Food Service	300 Lawrence Drive	NO	US Food Service	10/20/2010	Routine	Infiltration Basin	Saw Dust in basin	Verbal Notice	Required removal of debris from basin
National Food Laboratories	2441 Constitution Place	NO	Lyell Fork LLC 1300 Industrial Road #2 San Ramon, CA	11/9/2010	Routine	Swales	No visible problems	None	
Interstate Storage	1800 Sutter Street	NO	Interstate Storage	12/1/2010	Routine	Swales	No visible problems	None	
Form Factor	7545 Longard Road	NO	Greenville Holding, LLC 675 Hartz Ave. Danville, CA	2/8/2011	Routine	Swales	No visible problems	None	Frog Environmental is contracted to handle sw compliance and maintenance. New inlet inserts installed.
Form Factor	501 Lawrence Road	NO	Greenville Holding, LLC 675 Hartz Ave. Danville, CA	2/8/2011	Routine	Swales	No visible problems	None	Frog Environmental is contracted to handle sw compliance and maintenance. New inlet inserts installed.
Olsen's Automotive	6411 Brisa Street	NO	Olsen's Automotive	3/1/2011	Routine	Extended Detention Basin	No visible problems	None	
Livermore Subaru	3600 Las Positas Road	NO	Livermore Subaru	5/27/2011	Routine	Swales	No visible problems	None	
Livermore Porsche	3100 Las Positas Road	NO	Livermore Porsche	5/27/2011	Routine	CDS	No visible problems	None	

C.3.h.iv. ► Installed Stormwater Treatment Systems Operation and Maintenance Verification Inspection Program Reporting

Name of Facility/Site Inspected	Address of Facility/Site Inspected	Newly Installed? (YES/NO) ³¹	Party Responsible ³² For Maintenance	Date of Inspection	Type of Inspection ³³	Type of Treatment/HM Control(s) Inspected ³⁴	Inspection Findings or Results ³⁵	Enforcement Action Taken ³⁶	Comments
Livermore Jaguar	3500 Las Positas Road	NO	Livermore Jaguar	5/27/2011	Routine	Swale	No visible problems	None	
Livermore Audi	3400 Las Positas Road	NO	Livermore Audit	05/27/2011	Routine	CDS/Swale	No visible problems	None	
Livermore Honda	3200 Las Positas Road	NO	Livermore Honda	5/27/2011	Routine	CDS/Swales	No visible problems	None	
551 Leisure Street Associates	599,593,587,581,575, 569, and 563 Leisure Street	NO	Leisure Street Associates	6/1/2011	Routine	Swales	No visible problems	None	
Leisure Street Associates	503,511,519,527,535, 543, and 549 Leisure Street	NO	Leisure Street Associates	6/1/2011	Routine	Swales	No visible problems	None	
Rotten Robbie	4186 East Avenue	NO	Rotten Robbie	6/12/2011	Routine	Swale	No visible problems	None	
Livermore Gas & Shop	816 N. Vasco Road	NO	Jack Yanoff 59 Elizabeth Circle Greenbrae, CA	6/14/2011	Routine	Extended Detention Basin	Trash and Debris/ Erosion and scouring	None	Required removal of trash from basin
Vasco Plaza	1312,1536,1548,1550 ,1502,1306,and 1600 N. Vasco	NO	John Ferreri P.O. Box 2768 Danville, CA	6/21/2011	Routine	Swales	No visible problems	None	
Las Positas Center	2205-22301 Las Positas Road	NO	SFP Las Positas, LLC 353 W. El Camino Real #240 Sunnyvale, CA	6/22/2011	Routine	Swales	No visible problems	None	
Livermore Sanitation	7000 National Drive	NO	Livermore Sanitation	6/30/2011	Routine	Swales	Excessive Ponding	None	Swale is being re-constructed and modified to address ponding problems

C.3 ▶ Section C.3 Reporting Certification

I certify under penalty of law that the **Section C.3 Reporting** was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted in this Section (C.3), to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing of violations.

Signature: 

Date: 9/8/11

Title: CITY ENGINEER

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

Program Highlights

Provide background information, highlights, trends, etc.

During the Fiscal Year 2010/2011, the City of Livermore performed stormwater facility inspections of the following categories:

- Pretreatment and NOI Facilities
- Facilities Listed under SIC 7532, Automotive Body Shops
- Facilities Listed under SIC 7538, Automotive Repair Shops
- Facilities Listed under SIC 5541, Gasoline Service Stations

During the Fiscal Year 2009/2010, the City of Livermore performed a total of 183 facility inspections.

C.4.b.i. ► Business Inspection Plan

Do you have a Business Inspection Plan?

<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
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If No, explain:

C.4.b.iii.(1) ► 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.

The City of Livermore developed a 5-Year Inspection Plan to comply with the requirements as prescribed in section C.4.b of the Municipal Regional Stormwater Permit. Please refer to the attached document entitled "**Stormwater Industrial and Commercial Inspection Plan**"

C.4.b.iii.(2) ► Facilities Scheduled for Inspection

List below or attach your list of facilities scheduled for inspection during the current fiscal year.

During the Fiscal Year 2011/2012, the City of Livermore plans to perform stormwater facility inspections of the following categories:

Pretreatment and NOI Facilities
 All Facilities Listed under SIC 5812, Eating Places

During the Fiscal Year 2011/2012, the City of Livermore plans on performing 240 stormwater facility inspections.

C.4.c.iii.(1) ► Facility Inspections

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

- 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	175	
Total number of inspections conducted	183	
Number of violations (excluding verbal warnings)	5	
Sites inspected in violation	5	2.85%
Violations resolved within 10 working days or otherwise deemed resolved in a longer but still timely manner	5	100%
Comments: None		

C.4.c.iii.(2) ► 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	2
Comments: "Actual Discharge" is reported as one discharging wastestream to the storm sewer system per site. Therefore, the reported figure of "3" represents a single discharge event observed at 3 different facilities.	

C.4.c.iii.(2) ► 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) ³⁷	Number of Enforcement Actions Taken	% of Enforcement Actions Taken³⁸
Level 1	Verbal Warning: (Failure to implement proper BMPs- Potential for illicit discharge)	15	62.5%
Level 2	Warning Letter: (Multiple minor violations- failure to implement BMPs)	4	16.7%
Level 3	Administrative Action/Notice of Violation (Major violation- Discharge of Non-Stormwater)	4	16.7%
Level 4	Administrative Action/Notice of Violation w/Penalty or Cost Recovery(Major Violation- Discharge of Non Stormwater	1	4.2%
Total		24	100%

³⁷ Agencies to list specific enforcement actions as defined in their ERPs.

³⁸ Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.

C.4.c.iii.(3) ► Types of Violations Noted by Business Category

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

Business Category ³⁹	Number of Actual Discharge Violations	Number of Potential/Other Discharge Violations
Automotive Repair		7
Miscellaneous Computer Repair		1
Commercial Printer		2
Manufacturing Stone Clay Products		1
Misc. Wines & Brandy Productions		1
Construction/Heavy Equipment Repair		1
Transportation Truck Repair		1
Municipal Fire Protection		2
Restaurants/Food Service Facility		2
Semiconductor		1
Miscellaneous Fire Extinguisher Service/Repair	1	
Grocery/Food Market	1	
Construction/Concrete Work	1	
Wholesale-Goods	1	
Automotive Dealer/Sales	1	

C.4.c.iii.(4) ► Non-Filers

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

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

³⁹ List your Program's standard business categories.

C.4.d.iii ► Staff Training Summary

Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance	Percent of Inspectors in Attendance
ACCWP- Construction Inspection Workshop	05/25/2011	Section C.6 Permit Requirement	4	80%
ACCWP Stormwater Business Inspectors Workshop	06/09/2011	Pollutants of Concern and Inspection Skills	4	80%

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

Program Highlights

Provide background information, highlights, trends, etc.

The City of Livermore has established a priority screening list of outfalls that are routinely inspected for illicit discharge activity. Inspections are documented using the "Storm System Screening Form". During this reporting period 16 screening point survey inspections were performed. See attached copies of inspection reports. Also, refer to the C.5 Illicit Discharge Detection and Elimination section of countywide program's FY 10-11 Annual Report for description of activities at the countywide or regional level.

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

List below or attach your complaint and spill response phone number and spill contact list.

Contact	Description	Phone Number
LWRP	Water Reclamation Plant	925-960-8100
LPFD/LPD	Emergency Services	911

C.5.d.iii ► Evaluation of Mobile Business Program

Describe implementation of minimum standards and BMPs for mobile businesses and your enforcement strategy. This may include participation in the BASMAA Mobile Surface Cleaners regional program or local activities.

Description:

Refer to the C.5 Illicit Discharge Detection and Elimination section of countywide program's FY 10-11 Annual Report for a description of efforts by countywide committees/work group and the BASMAA Municipal Operations Committee to address mobile businesses.

C.5.e.iii ► Evaluation of Collection System Screening Program

Provide a summary or attach a summary of your collection screening program, a summary of problems found during collection system screening and any changes to the screening program this FY.

Description:

The City's collection screening program consist of (1) storm drain inlet,s (2) channel sections and outfalls, or (3) an industrial/commercial area. Storm drain inlets throughout the city are routinely surveyed for illicit discharges my municipal maintenance staff through the course of their routine storm drain inlet maintenance activities. As a significant volume of our illicit discharges are identified by Source Control staff through routine inspections and surveys of industrial and commercial business parks, a decreased emphasis is placed on surveying belowground storm drain structures, channel sections, and outfalls. However, periodically these areas are surveyed for illicit discharges. Historically, the majority of illicit discharges are discovered to be occurring in industrial and commercial areas; therefore, the majority of staff time and resources for illicit discharge survey activities are concentrated in these areas. The City of Livermore documents all illicit discharges with the ACCWP Illicit Discharge Report form and track inspection data with the City's Illicit Discharge Report database. Attached are the quarterly Illicit Discharge Reports generated from the database for this reporting period.

C.5.f.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.f.iii.(1))	36	
Discharges reaching storm drains and/or receiving waters (C.5.f.iii.(2))	27	75%
Discharges resolved in a timely manner (C.5.f.iii.(3))	35	97%

Comments:

See attached reports which summarize the illicit discharge activity recorded and reported during the FY 2010/2011.

C.5.f.iii.(4) ► Summary of major types of discharges and complaints

Provide a narrative or attach a table and/or graph.

The following is a summary of the major types of discharges observed during the reporting period:

- Paint (1)
- Construction Debris (7)
- Sediment Mud (1)
- Food Wastes (3)
- Vehicle Washwater (1)
- Building Sidewalk Washwater (2)
- Other Wastewaters (5)
- Sewage (2)
- Automotive Fluids (5)
- Swimming Pool (4)
- Fire Supression (1)
- Packaging Waste (1)
- BBQ/Ashes (1)

Section 6 – Provision C.6 Construction Site Controls

C.6.e.iii.1.a, b, c ▶ Site/Inspection Totals		
Number of sites disturbing < 1 acre of soil requiring storm water runoff quality inspection (i.e. High Priority) (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 (C.6.e.iii.1.c)
0	2	4
Comments: NONE		

C.6.e.iii.1.d ▶ Construction Activities Storm Water Violations		
BMP Category	Number of Violations ⁴⁰	% of Total Violations ⁴¹
Erosion Control	0	
Run-on and Run-off Control	0	
Sediment Control	0	
Active Treatment Systems	0	
Good Site Management	0	
Non Stormwater Management	0	
Total	0	100%

⁴⁰ Count one violation in a category for each site and inspection regardless of how many violations/problems occurred in the BMP category.

⁴¹ Percentage calculated as number of violations in each category divided by total number of violations in all six categories.

C.6.e.iii.1.e ▶ Construction Related Storm Water Enforcement Actions

	Enforcement Action (as listed in ERP) ⁴²	Number Enforcement Actions Taken	% Enforcement Actions Taken ⁴³
Level 1	No enforcement actions were taken.		
Level 2			
Level 3			
Level 4			
Total			100%

C.6.e.iii.1.f, g ▶ Illicit Discharges

	Number
Number of illicit discharges, actual and those inferred through evidence (C.6.e.iii.1.f)	0
Number of sites with discharges, actual and those inferred through evidence (C.6.e.iii.1.g)	0

C.6.e.iii.1.h, i ▶ Violation Correction Times

	Number	Percent
Violations fully corrected within 10 business days after violations are discovered or otherwise considered corrected in a timely period (C.6.e.iii.1.h)	n/a	% ⁴⁴
Violations not fully corrected within 30 days after violations are discovered (C.6.e.iii.1.i)	n/a	% ⁴⁵
Total number of violations for the reporting year⁴⁶	n/a	100%
Comments: NONE		

⁴² Agencies should list the specific enforcement actions as defined in their ERPs.

⁴³ Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.

⁴⁴ Calculated as number of violations fully corrected in a timely period after the violations are discovered divided by the total number of violations for the reporting year.

⁴⁵ Calculated as number of violations not fully corrected within 30 days after the violations are discovered divided by the total number of violations for the reporting year.

⁴⁶ Total number of violations equals the number of initial enforcement actions (i.e. one violation issued for several problems during an inspection at a site). It does not equal the total number of enforcement actions because one violation issued at a site may have a second enforcement action for the same violation at the next inspection if it is not corrected.

C.6.e.iii.(2) ► 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 of Livermore had two sites greater than one acre that were inactive (no construction) during the rainy season.

C.6.e.iii.(2) ► 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 of Livermore utilizes the "Inspection Checklist for Construction Stormwater Control" to document the stormwater inspections conducted by Building Inspection staff. Completed forms are entered into a database which tracks inspection and violation types and frequencies.

C.6.f ► Staff Training Summary

Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance	Percent of Inspectors in Attendance
ACCWP- New Development Construction Site Inspection Workshop	5/25; 5/26	Construction Inspection	11	

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

C.7.b.ii.1 ▶ Advertising Campaign

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

Summary: Participating in the BASMAA Regional Advertising Campaign through the Program. A summary of activities is provided in Section C.7 of the Program's FY 10-11 Annual Report.

C.7.b.iii.1 ▶ Pre-Campaign Survey

(For the Annual Report following the precampaign survey) Summarize survey information such as sample size, type of survey (telephone survey, interviews etc.). Attach a survey report that includes the following information. If survey was done regionally, refer to a regional submittal that contains the following information:

- Summary of how the survey was implemented.
- Analysis of the survey results.
- Discussion of the outreach strategies based on the survey results.
- Discussion of planned or future advertising campaigns to influence awareness and behavior changes regarding trash/litter and pesticides.

Place an **X** in the appropriate box below:

N/A	Survey report attached
N/A	Reference to regional submittal:

C.7.c ▶ Media Relations

Summarize the media relations effort. Include the following details for each media pitch in the space below, AND/OR refer to a regional report that includes these details:

- Topic and content of pitch
- Medium (TV, radio, print, online)
- Date of publication/broadcast

Summary:

The following separate report developed by BASMAA summarizes media relations efforts conducted during FY 10-11:

- BASMAA Media Relations Final Report FY 10-11

This report and any other media relations efforts conducted countywide is included within the C.7 Public Information and Outreach section of Program's FY 10-11 Annual Report.

C.7.d ► Stormwater Point of Contact

Summary of any changes made during FY 10-11:
 No Change.

C.7.e ► Public Outreach Events

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

Event Details	Description (messages, audience)	Evaluation of Effectiveness
Provide event name, date, and location. Indicate if event is local, countywide or regional.	Identify type of event (e.g., school fair, farmers market etc.), type of audience (school children, gardeners, homeowners etc.) and outreach messages (e.g., Enviroscene presentation, pesticides, stormwater awareness)	Provide general staff feedback on the event (e.g., success at reaching a broad spectrum of the community, well attended, good opportunity to talk to gardeners etc.). Provide other details such as: <ul style="list-style-type: none"> • Estimated overall attendance at the event. • Number of people that visited the booth, comparison with previous years • Number of brochures and giveaways distributed • Results of any spot surveys conducted
Clean Water Program exhibit at the Alameda County Fair (countywide event). See Clean Water Program's FY 10-11 Report.	See Clean Water Program's FY 2010/11 Report.	See Clean Water Program's FY 2010/11 Report.
2010 Alameda County Fair- staffed by City of Livermore Inspectors on 07/08 & 07/09/2010	See Clean Water Program's FY 2010/11 Report.	See Clean Water Program's FY 2010/11 Report.

Event Details	Description (messages, audience)	Evaluation of Effectiveness
Livermore Drug Take Back Event, 09/25/2010	<p>To help residents safely and properly dispose of unwanted prescription and over-the-counter drugs, the city's Water Resources Division and Police Department hosted a Drug Take-Back Event. Partnering agencies helped plan and advertise the event.</p> <p>The Drug Take-Back Event was held outside the Livermore Police Department on September 25, 2010 from 9:00 a.m. to 3 p.m. Livermore residents were invited to bring both non-controlled and controlled substances, which included prescription and over-the-counter drugs, vitamins, and supplements. Sharps were also accepted. The Water Resources Division provided an event survey and disseminated proper disposal information for substances, and the Police Department collected and secured the containers with substances for pick-up.</p>	<p>Four-hundred and twenty-eight (428) residents participated in the Drug Take-Back Event.</p> <p>To estimate the amount collected, Barnett Medical Services weighed fifteen 18-gallon Pharma Safety Containers upon pick-up. One-thousand and seventy-three (1,073) pounds of pharmaceutical waste was collected. This weight represents pills without pill containers and blister packs. Approximately 2.5 pounds of pharmaceutical waste was disposed of per person.</p> <p>WRD personnel recycled approximately ten 45-gallon garbage bags or 2.23 cubic yards of empty pill bottles and paper/cardboard.</p> <p>Survey of participants was conducted.</p>
Safe Medicine Disposal Presentation: LARPD Senior Event, 03/03/2011	<p>The Safe Medicine Disposal Presentation is used to educate seniors about pharmaceuticals in wastewater and the proper disposal of pharmaceuticals.</p> <p>The informational materials distributed: Options for Proper Drug Disposal Hand-out, Livermore Drug Take-Back Event Flyer, Where Does your Water Go? Brochure, Stormwater Pollution Brochure, Bay Begins Brochure, and Home Maintenance Tips for a Cleaner Bay Brochure.</p>	<p>Positive feedback from 3 seniors and an invitation from LARPD to return to future meetings.</p>

Event Details	Description (messages, audience)	Evaluation of Effectiveness
Livermore Wine Festival, 04/30 - 05/01/2011	<p>The Water Resources Division booth at the Livermore Wine Festival is used to educate residents (and their families) about proper FOG handling, proper medicine disposal, Integrated Pest Management, non-point source pollution and pollution prevention.</p> <p>The informational materials distributed: Fat Free Sewers Brochure, Options for Proper Drug Disposal Hand-out, Livermore Drug Take-Back Event Flyer, Where Does Your Water Go? Brochure, Grow It! Guide, Control It! Guide, Healthy Home and Garden Booklet, Pest Bugging You? Pocket Guide, The 10 Most Wanted Bugs in Your Garden Brochure, Don't Plant a Pest Brochure, A Kid's Guide to Backyard Bug Guide, Pest or Pal? Activity Guide, Stormwater Pollution Brochure, Bay Begins Brochure, Home Maintenance Tips for a Cleaner Bay Brochure, Detain the Rain Brochure, and Clean Water Activity Booklets.</p>	Positive interaction and feedback with 400+ residents visiting the Water Resources Division booth.
LA RPD Senior Luncheon: LARPD Senior Event, 05/20/2011	<p>Goody bags with informational materials were disseminated to LARPD Senior Luncheon participants.</p> <p>The informational materials distributed: Options for Proper Drug Disposal Hand-out, Livermore Drug Take-Back Event Flyer, Where Does your Water Go? Brochure, Stormwater Pollution Brochure, Bay Begins Brochure, and Home Maintenance Tips for a Cleaner Bay Brochure,</p>	Positive feedback from 50 attendees regarding the opportunity to safely dispose of unwanted prescription and over-the-counter drugs,

Event Details	Description (messages, audience)	Evaluation of Effectiveness
<p>City of Livermore Health & Safety Fair, 06/08/2011</p>	<p>The Water Resources Division booth at the Health and Safety Fair is used to educate employees (and their families) about proper FOG handling, proper medicine disposal, Integrated Pest Management, non-point source pollution and pollution prevention.</p> <p>The informational materials distributed: Fat Free Sewers Brochure, Livermore Drug Take-Back Event Flyer, Options for Proper Drug Disposal Hand-out, Where Does Your Water Go? Brochure, Grow It! Guide, Control It! Guide, Healthy Home and Garden Booklet, Pest Bugging You? Pocket Guide, The 10 Most Wanted Bugs in Your Garden Brochure, Don't Plant a Pest Brochure, A Kid's Guide to Backyard Bug Guide, Pest or Pal? Activity Guide, Stormwater Pollution Brochure, Bay Begins Brochure, Home Maintenance Tips for a Cleaner Bay Brochure, Detain the Rain Brochure, and Clean Water Activity Booklets.</p>	<p>Positive interaction and feedback with 50+ employees visiting the Water Resources Division booth.</p>
<p>2011 Alameda County Fair- staffed by City of Livermore Inspectors on 06/24 & 07/09/2011 Note: WRD personnel participated on the Alameda County Fair Work Group that developed the exhibit.</p>	<p>See Clean Water Program FY 2010/11 Report.</p>	<p>See Clean Water Program FY 2010/11 Report.</p>

C.7.f. ► 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:

Refer to the Program's FY 10/11 Annual Report for a summary of the Bay Friendly and the Bringing Back the Natives garden tours.

Friends of the Arroyos Booth at the Livermore Valley Joint Unified School District (LVJUSD) Science Odyssey, 03/17/2011: The Water Resources Division provided the Friends of the Arroyos: watershed, stormwater pollution and pollution prevention training; informational materials and promotional items; and the Alameda County Clean Water Program (ACCWP) Watershed Diorama. The informational materials distributed: Where Does your Water Go? Brochure, Stormwater Pollution Brochure, Bay Begins Brochure and Home Maintenance Tips for a Cleaner Bay Brochure. Friends of the Arroyos had positive interaction and feedback with 300 middle school students, 50 parents and 8 high school students. In addition, Friends of the Arroyos received an invitation from the LVJUSD to return to future Science Odyssey venues.

Zone 7 Water Agency Presentation at the Bay Friendly Gardening Workshop, 05/14/2011: The Water Resources Division provided Zone 7 the City of Livermore's allotment of ACCWP's insectary plant seed packets and insecticidal, soap recipe labels to disseminate to their Bay Friendly Gardening Workshop presentation participants. Zone 7 personnel received positive feedback from 50+ attendees regarding the opportunity to plant insectary plants and/or make insecticidal soap.

C.7.g. ► Citizen Involvement Events

List the types of events conducted (e.g., creek clean up, storm drain inlet marking, native gardening etc.). Use the following table for reporting and evaluating citizen involvement events.

Event Details	Description	Evaluation of effectiveness
Provide event name, date, and location. Indicate if event is local, countywide or regional	Describe activity (e.g., creek clean-up, storm drain marking etc.)	Provide general staff feedback on the event. Provide other evaluation details such as: <ul style="list-style-type: none"> • Number of participants. Any change in participation from previous years. • Distance of creek or water body cleaned • Quantity of trash/recyclables collected (weight or volume). • Number of inlets marked. • Data trends
Earth Day Clean-up at Granada Native Gardens, 04/23/2011	The Water Resources Division partnered with Friends of the Arroyos to host an Earth Day Event Clean-up at Granada Native Gardens, The Friends of the Arroyos coordinated and managed the day-of operations while the Water Resources Division provided the supplies and trash/green waste pick-up.	Nine participants picked up trash and removed invasive plants. This is a new event that was held in lieu of the annual, Livermore Earth Day Clean-up Event, which was canceled due to lack of funding and support. Fifty gallons of trash was collected.

C.7.h. ► School-Age Children Outreach

Summarize school-age children outreach programs implemented. A detailed report may be included as an attachment. Use the following table for reporting school-age children outreach efforts.

Program Details	Focus & Short Description	Number of Students/Teachers reached	Evaluation of Effectiveness
Provide the following information: Name Grade or level (elementary/ middle/ high)	Brief description, messages, methods of outreach used	Provide number or participants	Provide agency staff feedback. Report any other evaluation methods used (quiz, teacher feedback etc.). Attach evaluation summary if applicable.
Refer to the C.7 Section of the Program's FY 10-11 Annual Report for a description of School-age Children Outreach efforts conducted at the countywide level.			
<u>Trinity Baptist Daycare Stormwater Presentation:</u> 5 presentations provided to 2 year-old, 3 year-old and 4-year students, 10/13/2010	The Presentation includes information on the watershed and water cycle, the differences between storm drains and sewers, and non-point source pollutants and pollution prevention. This information is presented with a Sewer versus Storm Display Board, Mr. Ball Video and a Watershed Diorama Activity.	53	Surveys are used to evaluate the effectiveness of outreach.
<u>Livermore High School Sewer Science Lab:</u> 2 labs provided to biology classes, 05/16 – 05/20/2011 and 05/23 – 05/27/2011	Although the Lab focuses on the wastewater process and what not to put down the sewer drain, it does provide information on the watershed and water cycle, the differences between storm drains and sewers, and non-point source pollutants and pollution prevention. The information is presented with a Where Does Our Water Go Poster and an Alameda County Watershed Map.	81	Pre-assessments and post-tests are used to evaluate the effectiveness of outreach.

Program Details	Focus & Short Description	Number of Students/Teachers reached	Evaluation of Effectiveness
<u>Livermore Water Reclamation Plant Tours</u> : 4 tours provided to cub scout and boy scout troops in 3 rd and 4 th grades.	Although the Tour focuses on the wastewater treatment process and what not to put down the sewer drain, it does provide information on the differences between storm drains and sewers, and non-point source pollutants and pollution prevention.	31	Surveys are used to evaluate the effectiveness of outreach.

Section 8 - Provision C.8 Water Quality Monitoring

C.8 ► Water Quality Monitoring

State below if information is reported in a separate regional report. Municipalities can also describe below any Water Quality Monitoring activities in which they participate directly, e.g. participation in RMP workgroups, fieldwork within their jurisdictions, etc.

Summary

During FY 10-11, we contributed through the countywide Program to the BASMAA Regional Monitoring Coalition (RMC). In addition, we contributed financially to the Regional Monitoring Program for Water Quality in the San Francisco Estuary (RMP) and were represented at RMP committees and work groups. For additional information on monitoring activities conducted by the Program, BASMAA RMC and the RMP, see the C.8 Water Quality Monitoring section of the Program's FY 10-11 Annual Report.

Section 9 – Provision C.9 Pesticides Toxicity Controls

C.9.a ▶ Adopt an Integrated Pest Management (IPM) Policy or Ordinance

Attach a copy of your individual IPM ordinance or policy. (Water Board staff requested resubmittal for FY 10-11.)	<input checked="" type="checkbox"/>	Attached	<input type="checkbox"/>	Not attached , explain below
If Not attached , explain:				
Describe mechanism for adopting/formalizing your agency's IPM ordinance or policy (e.g., department head approval, integration into SOPs, staff training):				

C.9.b ▶ Implement IPM Policy or Ordinance

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. **Guidance: List only quantities of organophosphates, pyrethroids, carbaryl and fipronil that are used in a manner that threatens water quality (i.e., are used outdoors and may come in contact with stormwater.)**

Trends in Quantities and Types of Pesticides Used⁴⁷

Pesticide Category and Specific Pesticide Used	Amount ⁴⁸				
	FY 09-10	FY 10-11	FY 11-12	FY 12-13	FY 13-14
Organophosphates	This data has not been routinely tracked by the City of Livermore, and such data was not readily available from our Pest Control contractor at the time of this report. Note, city staff application is primarily related to the application of herbicides. Please see attached documents, entitled "Yearly Summary Pesticide Use Report" for data documenting the quantities of herbicides used for the FY 09/10 and FY 10/11				
Product or Pesticide Type A					
Product or Pesticide Type B					
Pyrethroids					
Product or Pesticide Type X					
Product or Pesticide Type Y					
Carbaryl					
Fipronil					

⁴⁷ Includes all municipal structural and landscape pesticide usage by employees and contractors.
⁴⁸ Weight or volume of the product or preferably its active ingredient, using same units for the product each year.

C.9.c ▶ Train Municipal Employees	
Enter the number of employees that applied or used pesticides (including herbicides) within the scope of their duties this reporting year.	8
Enter the number of these employees who received training on your IPM policy and IPM standard operating procedures within the last 3 years.	6
Enter the percentage of municipal employees who apply pesticides who have received training in the IPM policy and IPM standard operating procedures within the last three years.	75%

C.9.d ▶ 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
If yes, attach one of the following:			
<input type="checkbox"/>	Contract specifications that require adherence to your IPM policy and standard operating procedures, OR		
<input type="checkbox"/>	Copy(ies) of the contractors' IPM certification(s) or equivalent, OR		
<input checked="" type="checkbox"/>	Equivalent documentation.		
<p>If Not attached, explain:</p> <p>The City contracts with Orkin, Inc. for pest management at the following city facilities: Rincon Library, Springtown Library, Main Library, Council Chambers, Multi Service Center, City Hall Police Department, Public Works, Fire Station #6, #7, #8, #10, 2nd Street Building, and Airport, and LWRP. Orkin Commercial Services specializes in Integrated Pest Management (IPM), an approach to pest control that combines all available methods of preventing pests in a given environment. In our IPM programs, pesticides are used only when necessary to achieve acceptable levels of control with the least possible harm to humans, non-target organisms and the environment. IPM methods may be biological, such as employing growth regulators or parasites; mechanical, using traps or other exclusion techniques; or even cultural, such as focusing on better sanitation to prevent pest-conducive conditions.</p>			

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

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

Summary:

During FY 10-11, we participated in regulatory processes related to pesticides through contributions to the countywide Program, BASMAA and CASQA. For additional information, see the Regional Pollutants of Concern Report submitted by BASMAA on behalf of all MRP Permittees.

C.9.f ▶ Interface with County Agricultural Commissioners

Did your municipal staff observe any improper pesticide usage or evidence of improper usage (e.g., pesticides in storm drain systems, along street curbs, or in receiving waters) during this fiscal year?

	Yes	x	No
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If yes, provide a summary of improper pesticide usage reported to the County Agricultural Commissioner and follow-up actions taken to correct any violations. A separate report can be attached as your summary.

C.9.h.ii ▶ Public Outreach: Point of Purchase

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

Summary:

See the C.9 Pesticides Toxicity Control section of Program's FY 10-11 Annual Report for information on point of purchase public outreach conducted countywide and regionally.

C.9.h.vi ▶ 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); **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 10-11 Annual Report for a summary of our participation in and contributions towards countywide and regional public outreach to pest control operators and landscapers to reduce pesticide use.

Section 10 - Provision C.10 Trash Load Reduction

C.10.a.i ▶ Short-Term Trash Loading Reduction Plan

(For FY 10-11 Annual Report only) Provide description of actions/tasks initiated/conducted/completed in developing a Short-Term Trash Loading Reduction Plan (due February 1, 2012).

Description:

See the C.10 Trash Load Reduction section of Program's FY 10-11 Annual Report for information on countywide and regional activities conducted on behalf of co-permittees.

C.10.a.ii ▶ Baseline Trash Load and Trash Load Reduction Tracking Method

(For FY 10-11 Annual Report only) Provide description of actions/tasks initiated/conducted/completed to gather trash loading data and in developing a Baseline Trash Load and Trash Load Reduction Tracking Method (due February 1, 2012).

Description:

Guidance: Provide the following text: "See the C.10 Trash Load Reduction section of Program's FY 10-11 Annual Report for information on countywide and regional activities conducted on behalf of Permittees. The City of Livermore is one of the participating agencies included in the BASMAA Baseline Trash Load Study, and has such, had two trash capture devices installed in locations within our service area.

C.10.a.iii ▶ Minimum Full Trash Capture

(For FY 10-11 Annual Report and Each Annual Report Thereafter) Provide description of actions/tasks initiated/conducted/completed in implementing Minimum Full Trash Capture Devices (due July 1, 2014) within individual jurisdictions. Include information on Full Trash Capture Devices installed under Bay-area Wide Trash Capture Demonstration Project administered by San Francisco Estuary Partnership.

Description:

See the C.10 Trash Load Reduction section of Program's FY 10-11 Annual Report for information on countywide and regional activities conducted on behalf of Permittees. Additionally, the City of Livermore has secured \$72,219.00 in grant funding for storm drainage trash capture devices from the San Francisco Estuary Partnership. The City of Livermore is currently evaluated the type of devices to be installed and identify appropriate locations.

C.10.b.iii ► Trash Hot Spot Assessment

(For FY 10-11 Annual Report and Each Annual Report Thereafter) Provide volume of material removed from each Trash Hot Spot cleanup, and the dominant types of trash (e.g., glass, plastics, paper) removed and their sources to the extent possible.

Fill out the following table or attach a summary of the following information. **Guidance: Provide requested information below. If assessments were conducted during FY 09-10 and not conducted in FY 10-11, indicate "Conducted during FY 09-10" in the first row of the table.**

Trash Hot Spot	Cleanup Date	Volume of Material Removed	Dominant Type of Trash	Trash Sources (where possible)
Arroyo Mocho-Stanley Bridge-Pedestrian Bridge (AM-SB-PB#1)	09/23/2010	1.25 cubic yards	Fast food containers/snack food wrappers	
Arroyo Las Positas@Livermore Avenue Bridge (ALP@Livermore Bridge#2)	09/24/2010	3.25 cubic yards	Food containers/toilet paper/food packaging	Homeless camps located in area.
Arroyo Mocho-Homes-Mocho Park (AM-H-MP #3)	09/24/2010	0.25 cubic yards	Fast food containers/snack food wrappers	
Arroy Las Positas-Northfront Trailhead Park (ALP-NTP #4)	09/23/2010	0.25 cubic yards	Fast food containers/snack food wrappers	
Arroyo Las Positas from ALP@Livermore Bridge#2 east to Walmart Shopping Center--Homeless Camp Abatement*	02/16/2011	13 cubic yards	Homeless camp abatement- joint effort with CalTrans, Zone 7, City of Livermore, & Alameda County	Homeless camps located in area
*Note this special clean up event included hot spot #2, but proceeded much further eastward along the arroyo				

C.10.d Summary of Trash Load Reduction Actions

Provide summary of new trash load reduction actions or increased levels of implementation of existing actions that were implemented after adoption of the MRP (control measures and best management practices) including the types of actions and levels of implementation, and the total trash loads and dominant types of trash removed from each type of action.

Suggested trash load reduction actions to track and report may include:

- Anti-litter Campaigns
- Anti-litter/Dumping Enforcement Activities
- Curbside Recycling Programs
- Education and Outreach Efforts
- Free Trash Pickup/Dropoff Days
- County HHW Program Activities
- Improved Trash Bin Management
- Inspection/Maintenance of Storm Drain Outfalls
- Litter Pickup and Control
- Removal of Homeless Encampments
- Solid Waste Recycling Efforts
- Source Controls/Bans/Prohibitions
- Storm Drain Operation and Maintenance
- Storm Drain Signage/Marking
- Street Sweeping Activities
- Trash Removal from Receptacles
- Volunteer Creek Cleanups

Type of Trash Load Reduction Action	Date of First Implementation	Level of Implementation (specify if level was increased after MRP adoption)	Total Trash Load Removed by Action	Dominant Types of Trash Removed by Action
Curbside recycling program	2002	Full implementation was achieved in advance of MRP		Bottles, cans, paper, cardboard
Outreach and education – Brochures, bill inserts, and other outreach encourage residents and businesses to handle waste properly, including HHW.	2002	Full implementation was achieved in advance of MRP		Residential and commercial garbage, recycling, and organics (yard trimmings and food waste)
Free on-call trash pick-ups – Single family residents are entitled to three free on-call clean-ups per year. Service helps to prevent illegal dumping.	2002	Full implementation was achieved in advance of MRP		Household trash
County HHW Program Activities – City collects City-generated and resident-generated batteries from employees and takes them to County HHW facility. City also advertises County HHW services on City website and mailers.		Full implementation was achieved in advance of MRP		Batteries, fluorescent lamps, paint, other universal waste.

Type of Trash Load Reduction Action	Date of First Implementation	Level of Implementation (specify if level was increased after MRP adoption)	Total Trash Load Removed by Action	Dominant Types of Trash Removed by Action
Improved trash bin management – Franchise garbage hauler is required to repair leaky bins in order to prevent run off.	Prior to Dec. 2009	Full implementation was achieved in advance of MRP		Commercially generated garbage and food waste.
Solid Waste Recycling efforts – City has mandatory trash service, which helps prevent illegal dumping. Recycling and organics (green waste and food scraps) is included at no additional charge for residents, offering extra capacity for these materials. Commercial businesses receive deep discounts on recycling and organics service.	Prior to Dec. 2009	Full implementation was achieved in advance of MRP		Household and commercial garbage, recyclable materials, and organics.
Source Control/Bans/Prohibitions – City has a Civic Bay-Friendly Landscaping ordinance which encourages landscaping practices that reduce runoff, mitigate plant debris in the storm drain, and limit or eliminate pesticides and chemical fertilizers in public landscapes.	Prior to Dec. 2009	Ordinance was passed prior to MRP adoption. Implementation is ongoing.		Plant debris and chemicals.
Trash Removal from Receptacles – Franchise agreement between waste hauler and City requires drivers to clean up any litter resulting from the emptying of containers.	Prior to Dec. 2009	Full implementation was achieved in advance of MRP		Household and commercial garbage, recyclable materials, and organics.
<p>Styrofoam Product Ban: To promote environmental and economic health in the city of Livermore, it is essential that the city take steps to reduce litter and harmful materials from the environment. An immediate and meaningful way to do this is to prohibit the use of expanded polystyrene disposable foodservice ware by food vendors, and to require food vendors to use disposable foodservice ware that is either recyclable or compostable. (Ord. 1919 § 1 (Exh. A), 2010)</p>	July 1, 2011	Ordinance was passed. Educational mailers were sent to affected parties notifying them of the ban and alternative products. Active enforcement shall begin July 1, 2012 after a year long period of assessing compliance/non-compliance rates		Styrofoam food service containers

Section 11 - Provision C.11 Mercury Controls

C.11.a.i ► Mercury Recycling Efforts

List below or attach lists of efforts to promote, facilitate, and/or participate in collection and recycling of mercury containing devices and equipment at the consumer level (e.g., thermometers, thermostats, switches, bulbs).

Refer to FY 10-11 Program Annual Report for a list of mercury collection and recycling efforts conducted countywide and regionally. Additionally, the City of Livermore continues to operate its mercury thermometer exchange program.

C.11.a.ii ► Mercury Collection

Provide an estimate of the mass of mercury collected through these efforts, or provide a reference to a report containing this estimate.

Amount collected:

Not all mercury and PCB load reduction actions were tracked using "loads removed" methods this fiscal year. In the Program's FY 09-10 Annual Report and/or the BASMAA Regional POC Report, an initial Mercury and PCB Load Reduction Tracking Method was presented (see Provision C.11.g). Based on Water Board staff comments, a revised method will be presented in the Program's FY 10-11 Annual Report and/or the BASMAA Regional POC Report. Based on this methodology, loads removed via the collection/recycling of mercury-containing products will be documented beginning in FY 11-12.

- C.11.b ▶ Monitor Methylmercury**
- C.11.c ▶ Pilot Projects to Investigate and Abate Mercury Sources in Drainages**
- C.11.d ▶ Pilot Projects to Evaluate and Enhance Municipal Sediment Removal and Management Practices**
- C.11.e ▶ Conduct Pilot Projects to Evaluate On-Site Stormwater Treatment via Retrofit**
- C.11.f ▶ Diversion of Dry Weather and First Flush Flows to POTWs**
- C.11.g ▶ Monitor Stormwater Mercury Pollutant Loads and Loads Reduced**
- C.11.h ▶ Fate and Transport Study of Mercury In Urban Runoff**
- C.11.i ▶ Development of a Risk Reduction Program Implemented Throughout the Region**
- C.11.j ▶ Develop Allocation Sharing Scheme with Caltrans**

State below if information is reported in a separate regional report. Municipalities that participate directly in regional activities to can provide descriptions below.

Summary

A summary of countywide Program and regional accomplishments for these sub-provisions are included within the C.11 Mercury Controls section of Program's FY 10-11 Annual Report and/or the BASMAA Regional POC Report.

Section 12 - Provision C.12 PCBs Controls

C.12.a.i.iii ► Municipal Inspectors Training

(For FY 09-10 Annual Report only) List below or attach description of results of training municipal industrial inspectors to identify, in the course of their existing inspections, PCBs or PCB-containing equipment.

Description:

In FY 09-10, inspector training materials were developed by BASMAA and provided in the FY 09-10 BASMAA Regional POC Report. A description of efforts to train municipal industrial inspectors was provided in FY 09-10 City of Livermore Annual Stormwater Report and the Program Annual Report.

C.12.a.ii.iii ► Ongoing Training

(For FY 10-11 Annual Report and Each Annual Report Thereafter) List below or attach description of ongoing training development and inspections for PCB identification, including documentation and referral to appropriate regulatory agencies (e.g. county health departments, Department of Toxic Substances Control, California Department of Public Health, and the Water Board) as necessary.

Description:

See the FY 10-11 Program Annual Report for a description of training provided countywide.

- C.12.b ▶ Conduct Pilot Projects to Evaluate Managing PCB-Containing Materials and Wastes during Building Demolition and Renovation Activities**
- C.12.c ▶ Pilot Projects to Investigate and Abate On-land Locations with Elevated PCB Concentrations**
- C.12.d ▶ Conduct Pilot Projects to Evaluate and Enhance Municipal Sediment Removal and Management Practices**
- C.12.e ▶ Conduct Pilot Projects to Evaluate On-Site Stormwater Treatment via Retrofit**
- C.12.f ▶ Diversion of Dry Weather and First Flush Flows to POTWs**
- C.12.g ▶ Monitor Stormwater PCB Pollutant Loads and Loads Reduced**
- C.12.h ▶ Fate and Transport Study of PCBs In Urban Runoff**
- C.12.i ▶ Development of a Risk Reduction Program Implemented Throughout the Region**

State below if information is reported in a separate regional report. Municipalities that participate directly in regional activities to can provide descriptions below.

Summary

A summary of countywide Program and regional accomplishments for these sub-provisions are included within the C.12 PCB Controls section of Program's FY 10-11 Annual Report and/or the BASMAA Regional POC Report.

Section 13 - Provision C.13 Copper Controls

C.13.a.i and iii ► Legal Authority: Architectural Copper

<i>(For FY 10-11 Annual Report only)</i> Do you have adequate legal authority to prohibit discharge of wastewater to storm drains generated from the installation, cleaning, treating, and washing of the surface of copper architectural features, including copper roofs to storm drains?	x	Yes		No
If No , explain and provide schedule for obtaining authority within 1 year:				

C.13.b.i and iii ► Legal Authority: Pools, Spas, and Fountains

<i>(For FY10-11 Annual Report only)</i> Do you have adequate legal authority to prohibit discharges to storm drains from pools, spas, and fountains that contain copper-based chemicals?	x	Yes		No
If No , explain and provide schedule for obtaining authority within 1 year:				

C.13.c ► Vehicle Brake Pads

Reported in a separate regional report.

A summary of the countywide Program's participation with the Brake Pad Partnership (BPP) is included within the C.13 Copper Controls section of Program's FY 10-11 Annual Report and/or the BASMAA Regional POC Report.

C.13.d.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

The City of Livermore owns and operates a POTW, and maintains an active Pretreatment Program. Under this program, the City regulates industrial dischargers with potential sources of copper under its Pretreatment Permitting Program. Under this program, the City requires any facility that washes vehicles and or equipment to have a designated wash pad area that is plumbed to the sanitary sewer via an oil water separator. This requirement has been in place and enforced since the late 1980s. All of these industrial and commercial users are inspected on an annual basis for compliance with stormwater requirements. The following is a list of these industrial/commercial sites:

Pretreatment Program Permitted Industrial Users with significant volume Cooling Towers:

Permit	Facility	Address
1251	Sandia National Laboratories/CA	7011 East Avenue
1350	Form Factor-501 Lawrence	501 Lawrence Drive
1348	Form Factor-7545 Longard	7545 Longard Road
1272	InPhenix, Inc.	250 North Mines Road
1250	Lawrence Livermore National Laboratory	7000 East Avenue

Pretreatment Program Permitted Industrial Users: Printers

Permit	Facility	Address
1281	Schiffenhaus	7041 Las Positas Avenue, Suite A
1261	Packaging Innovators	6650 National Drive
1374	Golden Bear Packaging	6645 Los Positas Road
1258	Heritage Paper	6850 Brisa Street

Pretreatment Program Permitted Industrial Users: Vehicle/Equipment Wash Racks

Permit	Facility	Address
1331	B & S Hacienda	6219 Southfront Road
1288	Bernard's Mini Mart	1501 Airway Boulevard
1364	Boatmasters	5162 Preston Avenue
1284	Budget Car and Truck Rental	3841 First Street
1303	Cactus Car Wash	2153 Portola Avenue
1296	Cal Trans	6153 Southfront Road
1290	California Landscape Dimensions	5781 Preston Avenue
1338	Clark Pest Control	2313 Research Drive
1278	Cresco Equipment	800 E. Airway Boulevard
1362	Dun-Rite Excavating	5382 Brisa Street
1334	Enterprise Rent-A-Car	3569 First Street

1322	First Street-Henderlong	3560 First Street
1264	Groth Brothers	59 South L Street
1309	Harris Salinas Reinforcing	355 South Vasco Road
1342	Hawthorne LLC	7770 Hawthorne Road
1325	Hertz Equipment Rental	5237 Southfront Road
1311	JCs RVs	958 E. Airway Boulevard
1256	L Street Car Wash	220 North L Street
1313	Las Positas Shell	4530 Las Positas Road
1356	Lassiter Excavating	7000 National Drive
1294	LAVTA	1362 Rutan Court
1368	Las Positas Golf Course	909 Clubhouse Drive
1343	Les Schwab Tire Center #647	2650 Las Positas Road
1341	Livermore Audi	3400 Las Positas Road
1355	Livermore Auto Group-2232 Kitty Hawk	2232 Kitty Hawk Road
1292	Livermore Auto Group-2266 Kitty Hawk	2266 Kitty Hawk Road
1328	Livermore Auto Group-2304 Kitty Hawk	2304 Kitty Hawk Road
1259	Livermore Car Wash	2855 Old First Street
1317	Livermore Chevron	2186 Las Positas Road
1276	Livermore Dublin Disposal	6175 Southfront Road
1340	Livermore Honda	3200 Las Positas Road
1349	Livermore Jaguar	3500 Las Positas Road
1369	Livermore Maintenance Service Center	3500 Robertson Park Road
1366	Livermore Municipal Airport	636 Terminal Circle
1365	Livermore Police Department	1110 S. Livermore Avenue
1361	Livermore Porsche	3100 Las Positas Road
1353	Livermore Subaru	3600 Las Positas Road
1370	LPFD Fire Station #6	4550 East Avenue

Permit	Facility	Address
1371	LFPD Fire Station #7	951 Rincon Avenue
1372	LFPD Fire Station #8	5750 Scenic Avenue
1373	LFPD Fire Station #10	330 Airway Boulevard
1254	Mathew's Machinery	5340 Brisa Street
1293	MidCoast Transportation	5715 Preston Avenue
1323	Mountain Cascade	555 Exchange Court
1333	AuctionisNow.com	5187 Southfront Road
1301	Penske Truck Leasing	6215 Las Positas Road
1346	Power Washing Services	35 Rickenbacker Circle
1344	Quentin Bammer/Moeller Brothers	539 Lewelling Boulevard
1262	R. Lance & Sons	6776 Patterson Pass Road
1289	SAB Stanley Shell	809 East Stanley Boulevard
1263	SpeeDee Wash	2645 Old First Street
1329	Sunbelt Rentals	4977 Southfront Road
1335	Top Grade Construction	50 Contractors Street
1300	U.S. Foodservice	300 Lawrence Drive
1326	Western Traction II	5717 Brisa Street
1307	<i>Vacant</i>	<i>3737 First Street</i>
1359	Vasco 76	816 N. Vasco Road
1282	Vasco Road Chevron	1025 N. Vasco Road
1304	Wal-Mart Tire & Lube Express	2700 Las Positas Road
1357	WB Equipment	5162 Preston Avenue
1308	White Oak Landscaping	5552 La Ribera Street
1285	Yamaha Golf Cars of CA	5605 Southfront Road
1351	Zone 7 Water Agency	100 North Canyons Parkway
1376	Interstate Storage	1800 Sutter Street

Permittee Name: City of Livermore

The City's current mechanism of reporting facilities that are in noncompliance already exists and satisfies this requirement. The City, has therefore, not taken any additional steps to comply with the reporting requirements under C.13.d.iii to "highlight copper reduction results in the industrial inspection component in the C.13 portion of each Annual Report beginning September 2010". Businesses are either in compliance with stormwater requirements and are implementing the required best management practices or they are not in compliance.

C.13.e ► Studies to Reduce Copper Pollutant Impact Uncertainties

Report on progress of studies being conducted countywide or regionally to reduce copper pollutant impact uncertainties. State below if information is reported in a separate regional report.

Summary

A summary of the countywide and regional efforts to develop regional studies to reduce copper pollutant impact uncertainties is included within the C.13 Copper Controls section of Program's FY 10-11 Annual Report and the BASMAA Regional POC Report

Section 14 - Provision C.14 PBDE, Legacy Pesticides and Selenium Controls

C.14.a ► Control Programs for PBDEs, Legacy Pesticides and Selenium Controls

Report on progress of studies being conducted countywide or regionally to characterize the distribution and pathways of PBDEs, legacy pesticides, and selenium. State below if information is reported in a separate regional report.

Summary

A summary of the countywide Program and regional efforts related to the Control Program for PBDEs, Legacy Pesticides and Selenium is included within the C.14 PBDE, Legacy Pesticides and Selenium section of Program's FY 10-11 Annual Report and/or BASMAA Regional POC Report.

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

C.15.b.iii.(1), C.15.b.iii.(2) ► Planned and Unplanned Discharges of Potable Water

Is your agency a water purveyor? Yes No

If **No**, skip to C.15.b.vi.(2):

If **Yes**, Complete the attached reporting tables or attach your own table with the same information. Provide any clarifying comments below.

Comments:

The City of Livermore has two water purveyors, which are the City of Livermore and The California Water Company, in its service area. This report only includes information pertaining to potable water discharges from the City of Livermore's system.

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 has part of its requirements for New Development include the following requirements of new development:

All new development projects are required to address the following, and implement when feasible, the following:

Landscaping shall be designed to both minimize irrigation and the runoff of irrigation waters. It shall also be designed to promote surface infiltration where appropriate. Landscaping plans should also consider measures and/or planting selections, which serve to minimize the use of fertilizers and pesticides that can contribute to stormwater pollution.

If a landscaping plan is required as part of a development project application, the plan shall meet the following conditions related to reduction of pesticide use on the project site:

- a. Where feasible, landscaping shall be designed and operated to treat stormwater runoff by incorporating elements that collect, detain, and infiltrate runoff. In areas that provide detention of water, plants that are tolerant of saturated soil conditions and prolonged exposure to water shall be specified.
- b. Plant materials selected shall be appropriate to site specific characteristics such as soil type, topography, climate, amount and

timing of sunlight, prevailing winds, rainfall, air movement, patterns of land use, ecological consistency and plant interactions to ensure successful establishment.

- c. Existing native trees, shrubs, and ground cover shall be retained and incorporated into the landscape plan to the maximum extent practicable.
- d. Unless otherwise specified, proper maintenance of landscaping shall be the responsibility of the property owner.
- e. Integrated pest management (IPM) principles and techniques shall be encouraged as part of the landscaping design. Some examples of IPM principles and techniques include the following:
 - i. Select plants that are well adapted to soil conditions at the site.
 - ii. Select plants that are well adapted to sun and shade conditions at the site. Consider future conditions when plants reach maturity. Consider seasonal changes and time of day.
 - iii. Provide irrigation appropriate to the water requirements of the selected plants.
 - iv. Select pest and disease resistant plants.
 - v. Plant a diversity of species to prevent a potential pest infestation from affecting the entire landscaping plan.
 - vi. Use "insectary" plants in the landscaping to attract and keep beneficial insects.

Landscaping shall also comply with City of Livermore's "Water Efficient Landscape Ordinance". However, areas of a site used for bioswales or other landscaped areas that function as a stormwater treatment measure shall be exempt from the Water Efficient Landscaping requirements.

The City as part of its Public Outreach events provides and promotes the following information to the public:

- a. Promotional items and informational materials described IPM and its controls mechanisms, the benefits of using IPM products, and the OWOW Program. The product included labels that identified the control mechanism, active ingredient(s), and the OWOW local store of purchase
- b. Stormwater Pollution Brochure, Bay Begins Brochure, Home Maintenance Tips for a Cleaner Bay Brochure, Grow It! Guides, Control It! Guides, Healthy Home and Garden Booklet, Pest Bugging You? Pocket Guides, The 10 Most Wanted Bugs in Your Garden Brochure, A Kid's Guide to Backyard Bug Guides, and Pest or Pal? Activity Guides.

The City also includes articles pertaining to this subject matter in public newsletters and inserts in water/sewer bills on a routine basis.

C.15.b.iii.(1) ► Planned Discharges of the Potable Water System

Site/ Location	Discharge Type	Receiving Waterbody(ies)	Date of Discharge	Duration of Discharge (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/minute)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity ⁴⁹ (NTU)	Implemented BMPs & Corrective Actions
4C2	Flushing		08/26/2010	30	30,600	1020 GPM	0.04	7.2	n/a	Dechlorination/Inlet protection
5C4	Flushing		08/04/2010	35	38,500	1100 GPM	0.04	7.5	n/a	Dechlorination/Inlet protection
2G4	Flushing		08/19/2010	45	45,000	1000 GPM	0.03	7.0		Dechlorination/Inlet protection
3G3	Flushing		08/20/2010	20	19,220	961 GPM	0.05	7.6		Dechlorination/Inlet protection
3G3	Flushing		08/23/2010	43	41,323	961 GPM	0.05	7.6	n/a	Dechlorination/Inlet protection
1200 Voyager	Flush Hydrant		09/07/2010	30	44,430	1481 GPM	0.02	7.5	n/a	Dechlorination/Inlet protection
2F4	Flushing		10/15/2010	30	33,000	1100 GPM	0.03	7.0	n/a	Dechlorination/Inlet protection
4C4	Flushing		11/5/2010	40	122,400	3060 GPM	0.05	7.0	n/a	Dechlorination/Inlet protection
4G1	Flushing		11/23/2010	32	36,639	1145 GPM	0.05		n/a	Dechlorination/Inlet protection
Unilateral Flushing	Flushing		11/23/2010	198	168,245	850 GPM	0.05	6.86	n/a	Dechlorination/Inlet protection
Unilateral Flushing	Flushing		12/07/2010	433	223,145	1007 GPM	0.05	6.8	n/a	Dechlorination/Inlet protection
Unilateral Flushing	Flushing		12/06/2010	210	223,145	1063 GPM	0.03	7.0	n/a	Dechlorination/Inlet protection
Unilateral Flushing	Flushing		11/23/2010	152	149,139	981 GPM	0.05	7.0	n/a	Dechlorination/Inlet protection

⁴⁹ Monitor the receiving water for turbidity if necessary and feasible. Include data in this column if available.

C.15.b.iii.(1) ► Planned Discharges of the Potable Water System

Site/ Location	Discharge Type	Receiving Waterbody(ies)	Date of Discharge	Duration of Discharge (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/minute)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity ⁴⁹ (NTU)	Implemented BMPs & Corrective Actions
Unilateral Flushing	Flushing		12/13/2010	308	299,441	972 GPM	0.02	7.1	n/a	Dechlorination/Inlet protection
Unilateral Flushing	Flushing		12/15/2010	115	116,410	1012 GPM	0.05	6.9	n/a	Dechlorination/Inlet protection
Unilateral Flushing	Flushing		12/14/2010	339	309,830	914 GPM	0.00	7.3	n/a	Dechlorination/Inlet protection
Unilateral Flushing	Flushing		12/20/2010	213	187,551	881 GPM	0.02	7.17	n/a	Dechlorination/Inlet protection
Unilateral Flushing	Flushing		12/21/2010	258	262,830	1018 GPM	0.01	7.2	n/a	Dechlorination/Inlet protection
Unilateral Flushing	Flushing		12/28/2010	275	325,965	1185 GPM	0.01	7.3	n/a	Dechlorination/Inlet protection
Unilateral Flushing	Flushing		12/29/2010	155	169,730	1095 GPM	0.00	7.2	n/a	Dechlorination/Inlet protection
Unilateral Flushing	Flushing		1/12/2011	194	195,525	1008 GPM	0.02	7.2	n/a	Dechlorination/Inlet protection
Unilateral Flushing	Flushing		1/13/2011	517	476,863	922 GPM	0.01	7.31	n/a	Dechlorination/Inlet protection
Unilateral Flushing	Flushing		1/19/2011	250	228,580	914 GPM	0.03	6.85	n/a	Dechlorination/Inlet protection
5C4	Flushing		1/31/2011	7	8,575	1225 GPM	0.04	6.0	n/a	Dechlorination/Inlet protection
Unilateral Flushing	Flushing		2/1/2011	148	133,668	903 GPM	0.01	7.2	n/a	Dechlorination/Inlet protection
Unilateral Flushing	Flushing		02/08/2011	500	314,980	630 GPM	0.01	7.1	n/a	Dechlorination/Inlet protection
Unilateral Flushing	Flushing		02/09/2011	213	193,135	906 GPM	0.02	7.1	n/a	Dechlorination/Inlet protection

C.15.b.iii.(1) ► Planned Discharges of the Potable Water System

Site/ Location	Discharge Type	Receiving Waterbody(ies)	Date of Discharge	Duration of Discharge (minutes)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/minute)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity ⁴⁹ (NTU)	Implemented BMPs & Corrective Actions
Unilateral Flushing	Flushing		02/07/2011	130	132,830	1021 GPM	0.00	7.0	n/a	Dechlorination/Inlet protection
6G2	Flushing		02/10/2011	135	104,100	771 GPM	0.02	7.6	n/a	Dechlorination/Inlet protection
6G2	Flushing		02/16/2011	205	139,585	681 GPM	0.02	7.1	n/a	Dechlorination/Inlet protection
6G4	Flushing		02/17/2011	500	239,050	478 GPM	0.00	7.1	n/a	Dechlorination/Inlet protection
7G2	Flushing		02/23/2011	347	247,938	715 GPM	0.01	7.2	n/a	Dechlorination/Inlet protection
7G2	Flushing		02/22/2011	375	271,015	722 GPM	0.01	7.1	n/a	Dechlorination/Inlet protection
6G1	Flushing		02/28/2011	326	224,820	688 GPM	0.01	7.1	n/a	Dechlorination/Inlet protection
3C4/4D1	Flushing		03/07/2011	121	104,500	864 GPM	0.01	7.3	n/a	Dechlorination/Inlet protection
5G1/5G3	Flushing		03/04/2011	345	226,634	657 GPM	0.01	7.2	n/a	Dechlorination/Inlet protection

Summary:

The City flushes its hydrants and "blow-offs" of its potable water system as part of the system's annual maintenance plan. An identifier such as "7G2" under site identification references a quadrant of the City. Please see attached document entitled "Potable System Quadrant Map". The identifier "unilateral flushing" under Site/Location refers to the flushing of an area that covers several quadrants. The City's Water Department maintains a detailed flushing report and a firm accounting of all potable water release from its system by specific hydrants and blow offs. Please refer to the attached document entitled "Detailed Potable Flushing Report", which provides a strict accounting of all potable water release and its corresponding source area for the FY 2010/2011.

C.15.b.III.(2) ▶ Unplanned Discharges of the Potable Water System⁵⁰

Site/ Location	Discharge Type	Receiving Waterbody(ies)	Date of Discharge	Discharge Duration (military time)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L) ⁵¹	pH (standard units) ⁵²	Discharge Turbidity (Visual) ⁵²	Implemented BMPs & Corrective Actions	Time of discharge discovery	Regulatory Agency Notification Time ⁵²	Inspector arrival time	Responding crew arrival time
North Vasco Road	Hydrant Shear	Arroyo Seco	07/19/2010	Unknown	>50,000	Unknown	>0.05	Not Analyzed	Not Analyzed	Water was shut off as soon as possible after receiving notification.				

⁵⁰ This table contains all of the unplanned discharges that occurred in this FY.

⁵¹ Monitoring data is only required for 10% of the unplanned discharges. If you monitored more than 10% of your unplanned discharges, report all of the data collected.

⁵² Notification to Water Board staff is required for unplanned discharges where the chlorine residual is >0.05 mg/L and total volume is ≥ 50,000 gallons. Notification to State Office of Emergency Services is required after becoming aware of aquatic impacts as a result of unplanned discharge or when the discharge might endanger or compromise public health and safety.

Stormwater Industrial and Commercial Inspection Plan

I. On an annual basis, the City shall performs stormwater inspections of all NOI facilities, Categorical Industrial Users permitted under the City's Pretreatment Program (CIU), General Industrial/Commercial Users permitted under the City's Pretreatment Program (GEN), Photo Processor Users permitted under the City's Pretreatment Program (PHOTO), and Wash Rack User permitted under the City's Pretreatment Program. The following table provides a specific list of these facilities:

Table 1.0

Facility Name	Type	Frequency
Harris Salinas Rebar	NOI/CIU	Annually
Inphenix	NOI/CIU	Annually
Packaging Innovators	NOI/CIU	Annually
Livermore Dublin Disposal	NOI/CIU	Annually
Livermore Municipal Airport	NOI/WR	Annually
Livermore Transit Authority	NOI/WR	Annually
Fenestra Winery	NOI	Annually
FormFactor	NOI/CIU	Annually
FormFactor	NOI/CIU	Annually
Wente Vineyards Estate Winery	NOI	Annually
Fabco Automotive Corporation	NOI	Annually
Schiffenhaus CA	NOI/GEN	Annually
U.S. Foods Service	NOI/WR	Annually
USP Structural Connectors	NOI	Annually
Integrated Manufacturing Group	NOI	Annually
Sanmina SCI	NOI	Annually

Facility Name	Type	Frequency
Ames Taping Tool Systems	GEN	Annually
Astro Pak	GEN	Annually
Culligan Water	GEN	Annually
Arrowhead Mountain Springs	GEN	Annually
Heritage Paper	GEN	Annually
National Food Laboratory	GEN	Annually
Packaging Innovators	GEN	Annually
Protein Research	GEN	Annually
E. Turman & Company	GEN	Annually
Golden Bear Packaging	GEN	Annually
Schiffenhaus	GEN	Annually
Costco	PHOTO	Annually
Rite Aid-1350 N. Vasco Rd.	PHOTO	Annually
SAVE Mart	PHOTO	Annually
Budget Car and Truck Rental	WR	Annually
California Landscape Dimensions, Inc.	WR	Annually
Clark Pest Control	WR	Annually
Cresco Equipment	WR	Annually
Enterprise Rent-A-Car	WR	Annually
Lassiter Excavating	WR	Annually
LAVTA	WR	Annually

Facility Name	Type	Frequency
Las Positas Golf Course	WR	Annually
Les Schwab Tire Center #647	WR	Annually
Livermore Chevron	WR	Annually
Livermore Municipal Airport	WR	Annually
MidCoast Transportation	WR	Annually
Penske Truck Leasing	WR	Annually
Power Washing Services	WR	Annually
Top Grade Construction	WR	Annually
Wal-Mart Tire & Lube Express	WR	Annually
Yamaha Golf Cars of CA	WR	Annually
Zone 7 Water Agency	WR	Annually
B & S Hacienda	WR	Annually
Bernard's Mini Mart	WR	Annually
Cactus Car Wash	WR	Annually
Cal Trans	WR	Annually
First Street-Henderlong	WR	Annually
Groth Brothers	WR	Annually
Harris Salinas Reinforcing	WR	Annually
Hawthorne LLC	WR	Annually
LPPD Fire Station 6	WR	Annually
LPPD Fire Station 7	WR	Annually

Facility Name	Type	Frequency
LPFD Fire Station 8	WR	Annually
LPFD Fire Station 10	WR	Annually
L Street Car Wash	WR	Annually
Las Positas Shell	WR	Annually
Livermore Audi	WR	Annually
Livermore Car Wash	WR	Annually
Livermore Dublin Disposal	WR	Annually
Livermore Honda	WR	Annually
Livermore Jaguar	WR	Annually
Livermore Porsche	WR	Annually
Livermore Subaru	WR	Annually
Livermore Police Department	WR	Annually
Mathew's Machinery	WR	Annually
Boat Masters	WR	Annually
City of Livermore, MSC	WR	Annually
Dun-Rite	WR	Annually
Hertz Equipment Rental	WR	Annually
Interstate Storage	WR	Annually
JCs RVs	WR	Annually
Livermore Auto Group-2232 Kitty Hawk	WR	Annually
Livermore Auto Group-2266 Kitty Hawk	WR	Annually

Facility Name	Type	Frequency
Livermore Auto Group-2304 Kitty Hawk	WR	Annually
Mountain Cascade	WR	Annually
Olympic Boat Centers	WR	Annually
Quentin Bammer/Moeller Bros.	WR	Annually
R. Lance & Sons	WR	Annually
SAB Stanley Shell	WR	Annually
SpeeDee Wash	WR	Annually
Sunbelt Rentals	WR	Annually
U.S. Foodservice	WR	Annually
Vasco 76	WR	Annually
Vasco Road Chevron	WR	Annually
White Oak Landscaping	WR	Annually

II. The 5-Year inspection plan detailed below outlines how the City of Livermore will prioritize it's inspection to adequately address the requirements of Provision C.4.b.:

Fiscal Year 2009/2010: All Pretreatment and NOI Facilities identified in Table 1.0 (91 Facilities)

All Facilities Listed under SIC 3599, Industrial and Commercial Machinery and Equipment (19 Facilities)

All Facilities Listed under SIC 3679, Electronic Components Manufacturing (5 Facilities)

All Facilities Listed under SIC 3089, Plastic Products (3 Facilities)

FY 2009/2010: Goal-99 Facility Inspections

Fiscal Year 2010/2011: All Pretreatment and NOI Facilities identified in Table 1.0 (91 Facilities)

All Facilities Listed under SIC 7532, Automotive Body Shops, and

All Facilities Listed under SIC 7538, Automotive Repair Shops (47 Facilities)

All Facilities Listed under SIC 5541, Gasoline Service Stations (27 Facilities)

FY 2010/2011- 165 Facility Inspections

Fiscal Year 2011/2012: All Pretreatment and NOI Facilities identified in Table 1.0 (91 Facilities)

All Facilities Listed under SIC 5812, (149 Facilities)

FY 2011/2012- 240 Facility Inspections

Fiscal Year 2012/2013: All Pretreatment and NOI Facilities identified in Table 1.0 (91 Facilities)

All Facilities Listed under SIC 8711, Engineering Services (17 Facilities)

All Facilities Listed under SIC 8731, R&D Labs-Commercial (5 Facilities)

All Facilities Listed under SIC 8734, Testing Labs (2 Facilities)

All Facilities Listed under SIC 5093, Scrap & Waste Materials (2 Facilities)

All Facilities Listed under SIC 4212, Local Trucking (5 Facilities)

All Facilities Listed under SIC 5261, Retail Nurseries (4 Facilities)

All Facilities Listed under SIC 5211, Lumber and Other Building
Material Dealers (7 Facilities)

FY 2012/2013- 133 Facility Inspections

Fiscal Year 2013/2014: All Pretreatment and NOI Facilities identified in Table 1.0 (91 Facilities)

All Facilities Listed under SIC, Restaurant with a Grease Trap or No
Grease Removal Device (102 Facilities)

FY 2013/2014- 193 Facility Inspections

The "number" of facilities listed under each SIC in this 5-Year Inspection plan is based upon a query of the City's Business License Database performed in January 2010. Prior to each fiscal year, a new query of the database shall be performed to get the most updated figure for that year's facility type scheduled to be inspected.

FY 2010-2011 Annual Report
Permittee Name: City of Livermore

Attachment C.5- Illicit Discharge Summary Reports

Illicit Discharge Reports

For Period Between 07/13/2010 and 09/30/2010

Date	Reason for Investigation	Location of Incident	Discharge Type															Corrective Action				Additional Comments	Attachments												
			Industrial Business	Commercial Business	Residential Area	Other Source	Source ID YES	Source ID #	Frequency of Discharge	Illegal Dumping	Illicit Connection	Poor Mgmt Practices	Paint	Concrete	Construction Debris	Sediment Mud	Food Wastes	Yard Wastes	Industrial Waste	Concrete Cutting Slurry	Veh Clean Washwaters			Blde Sidewalk Washwaters	Other Washwaters	Sewage	Automotive Fluids	Other Description	Other	Discharge Stopped	Discharge Cannot be Stopped	Info Distributed	Verbal Notice	Warning Notice	Admin Action Notice
07/30/2010	During Field Surveys	4000 block of Ba	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Spill cleaned up & residue informed of stormwater regs. prohibiting pool cleaning (etc.) discharges to storm drain system.							
	Public							Intermittent Dishcarge																											
07/13/2010	From Calls	1951 Holmes St	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Poor Management P	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NOV contained corrective items to eliminate discharges														
	Public							Intermittent Dishcarge																											

Record Count for July 2010 = 2

August 2010

Date	Reason for Investigation	Location of Incident	Discharge Type															Discharge Stopped	Discharge Cannot be Stopped	Corrective Action Info Distributed				Additional Comments	Attachments									
			Industrial Business	Commercial Business	Residential Area	Other Source	Source ID YES	Source ID #	Frequency of Discharge	Illegal Dumping	Illicit Connection	Poor Mgmt Practices	Paint	Concrete	Construction Debris	Sediment Mud	Food Wastes			Yard Wastes	Industrial Waste	Concrete Cutting Slurry	Veh Clean Washwaters			Blde Sidewalk Washwaters	Other Washwaters	Sewage	Automotive Fluids	Other Description	None	Verbal Notice	Warning Notice	Admin Action Notice
09/13/2010	During Field Surveys	NW corner of par	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Poor Management P	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No liquid discharge (see photos) trash around storm drain will be cleaned up.						
09/14/2010	During Field Surveys	2504 Superior Dri	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Poor Management P	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Workers washing equipment in street.										

Record Count for September 2010 = 4
Total Reports: 8

Date	Reason for Investigation	Location of Incident	Discharge Type																	Corrective Action			Additional Comments							
			Source ID #	Frequency of Discharge	Illegal Dumping	Illicit Connection	Poor Mgmt Practices	Paint	Concrete	Construction Debris	Sediment Mud	Food Wastes	Yard Wastes	Industrial Waste	Concrete Cutting Slurry	Veh Clean Washwaters	Blgd Sidelwalk Washwaters	Other Washwaters	Sewage	Automotive Fluids	Other	Other Description		Discharge Stopped	Discharge Cannot be Stopped	Info Distributed	Verbal Notice	Warning Notice	Admin Action Notice	Admin Action Penalty
03/02/2011	From Calls	Calderia Avenue	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Illegal Dumping	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Owner dumped washwater in stormdrain.																
	Public								One Time Incident													Carpet cleanin								
03/02/2011	From Calls	Las Positas Rd T	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Poor Management P	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Tallow bin enclosure to be cleaned up today by property manager, Ralph Speare of Kimco Realty	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																	
	City of Livermore, Other								Intermittent Dishcharge																					

Record Count for March 2011 = 6
Total Reports: 6

Illicit Discharge Reports

For Period Between 04/07/2011 and 06/30/2011

Date	Reason for Investigation	Location of Incident	Discharge Type																	Corrective Action				Additional Comments	Attachments																
			Source ID #	Source ID YES	Other Source	Residential Area	Commercial Business	Industrial Business	Frequency of Discharge	Illegal Dumping	Illicit Connection	Poor Mgmt Practices	Paint	Concrete	Construction Debris	Sediment Mud	Food Wastes	Yard Wastes	Industrial Waste	Concrete Cutting Slurry	Veh Clean Washwaters	Blgd Sidewalk Washwaters	Other Washwaters			Sewage	Automotive Fluids	Other	Other Description	Discharge Stopped	Discharge Cannot be Stopped	Info Distributed	Verbal Notice	Warning Notice	Admin Action Notice	Admin Action Penalty	Legal Action				
04/29/2011	During Field Surveys	2133 Research D	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Poor Management P	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Material was not noted in the storm system.																					
		Inspection Staff Routine Field Survey							Intermittent Discharge																										dry cutting dust						
04/29/2011	From Calls	1000 N Vasco Rd	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Illegal Dumping	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Motor oil was dropped off by unknown persons.																				
		Public Works Maintenance Staff							One Time Incident																																
04/28/2011	During Field Surveys		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Poor Management P	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Material had not entered storm system.																					
		Inspection Staff Routine Field Survey							One Time Incident																										Package waste						
04/27/2011	From Calls		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Poor Management P	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Instructed discharger to use clean out in future. pH = 6-7																	
		Public							One Time Incident																										Pool discharge						

Inspection Date: 6/17/11

Inspection Time: 9:15 am

Inspector Name: Phil Martinez

Time since last rain: Less than 3 weeks Longer than 3 weeks

Storm Facility Location (ID): OF2501

Receiving Water: Yes

Storm Facility Type: End of Pipe Creek Drop Inlet/Catch Basin
 Channel Pump Station Ditch Other, Describe: _____

Observations:

Standing / Stagnant water: Yes No
 Flow: None Trickle Steady High
 Approximate Depth of Flow: 8 Inches
 Estimated Trash Volume: High Medium Low ND
 Comment: Few plastic bottles

Odor: Present Absent
 Comment: _____

Color: Present Absent
 Comment: Light Tan

Turbidity: High Medium Low ND
 Comment: _____

Hydrocarbon Sheen: High Medium Low ND
 Comment: _____

Sediment: High Medium Low ND
 Comment: _____

Other: High Medium Low ND
 Comment: _____

Illicit discharge or illegal dumping found during screening? Yes No
 If yes, immediately notify Source Control.

Date Completed: _____

Inspection Date: 6/17/11 Inspection Time: 9:45 am

Inspector Name: Phil Martinez

Time since last rain: Less than 3 weeks Longer than 3 weeks

Storm Facility Location (ID): 0F2602

Receiving Water: Yes

Storm Facility Type: Channel End of Pipe Pump Station Creek Ditch Drop Inlet/Catch Basin Other, Describe: _____

Observations:				
Standing / Stagnant water:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
Flow:	<input type="checkbox"/> None	<input type="checkbox"/> Trickle	<input checked="" type="checkbox"/> Steady	<input type="checkbox"/> High
Approximate Depth of Flow:	<u>12-14</u> Inches			
Estimated Trash Volume:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Odor:	<input type="checkbox"/> Present	<input checked="" type="checkbox"/> Absent		
Comment:	_____			
Color:	<input checked="" type="checkbox"/> Present	<input type="checkbox"/> Absent		
Comment:	<u>Light Tan</u>			
Turbidity:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input checked="" type="checkbox"/> Low	<input type="checkbox"/> ND
Comment:	_____			
Hydrocarbon Sheen:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Sediment:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Other:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Illicit discharge or illegal dumping found during screening? <input type="checkbox"/> Yes <input type="checkbox"/> No				
If yes, immediately notify Source Control.				
Date Completed: _____				

Inspection Date: 6/17/11 Inspection Time: 1:00

Inspector Name: Phil Martinez

Time since last rain: Less than 3 weeks Longer than 3 weeks

Storm Facility Location (ID): OF3001

Receiving Water: NO

Storm Facility Type: End of Pipe Creek Drop Inlet/Catch Basin
 Channel Pump Station Ditch Other, Describe: _____

Observations:				
Standing / Stagnant water:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
Flow:	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Trickle	<input type="checkbox"/> Steady	<input type="checkbox"/> High
Approximate Depth of Flow:	<u>8</u> inches			
Estimated Trash Volume:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	<u>OVER GROWN WITH BLACKBERRIES - INACCESSIBLE</u>			
Odor:	<input type="checkbox"/> Present	<input checked="" type="checkbox"/> Absent		
Comment:	_____			
Color:	<input type="checkbox"/> Present	<input checked="" type="checkbox"/> Absent		
Comment:	_____			
Turbidity:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Hydrocarbon Sheen:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Sediment:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Other:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Illicit discharge or illegal dumping found during screening?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
If yes, immediately notify Source Control.				
Date Completed:	_____			

Inspection Date: 6/17/11

Inspection Time: 10:30

Inspector Name: P.L. Martinez

Time since last rain: [X] Less than 3 weeks [] Longer than 3 weeks

Storm Facility Location (ID): OF3FO1

Receiving Water: YES

Storm Facility Type: [X] End of Pipe [] Creek [] Drop Inlet/Catch Basin [] Channel [] Pump Station [] Ditch [] Other, Describe: _____

Observations:

Standing / Stagnant water: [] Yes [X] No

Flow: [] None [] Trickle [X] Steady [] High

Approximate Depth of Flow: 10 Inches

Estimated Trash Volume: [] High [] Medium [X] Low [] ND

Comment: Picked up trash

Odor: [] Present [X] Absent

Comment: _____

Color: [] Present [X] Absent

Comment: _____

Turbidity: [] High [] Medium [] Low [X] ND

Comment: _____

Hydrocarbon Sheen: [] High [] Medium [] Low [X] ND

Comment: _____

Sediment: [] High [] Medium [] Low [X] ND

Comment: _____

Other: [] High [] Medium [] Low [X] ND

Comment: _____

Illicit discharge or illegal dumping found during screening? [] Yes [X] No

If yes, immediately notify Source Control.

Date Completed: _____

Inspection Date: 6/17/11

Inspection Time: 11:15

Inspector Name: Phil Martinez

Time since last rain: [X] Less than 3 weeks [] Longer than 3 weeks

Storm Facility Location (ID): OF3601

Receiving Water: Yes

Storm Facility Type: [X] End of Pipe [] Creek [X] Drop Inlet/Catch Basin [] Channel [] Pump Station [] Ditch [] Other, Describe: _____

Observations:

Standing / Stagnant water: [] Yes [X] No

Flow: [] None [X] Trickle [] Steady [] High

Approximate Depth of Flow: 8 inches

Estimated Trash Volume: [] High [X] Medium [] Low [] ND

Comment: Needs cleaning

Odor: [] Present [X] Absent

Comment: _____

Color: [X] Present [] Absent

Comment: Light tan

Turbidity: [] High [] Medium [] Low [X] ND

Comment: _____

Hydrocarbon Sheen: [] High [] Medium [] Low [X] ND

Comment: _____

Sediment: [] High [] Medium [] Low [X] ND

Comment: _____

Other: [] High [] Medium [] Low [X] ND

Comment: _____

Illicit discharge or illegal dumping found during screening? [] Yes [X] No

If yes, immediately notify Source Control.

Date Completed: _____

Inspection Date: 6/28/2011 Inspection Time: 8:00 AM

Inspector Name: Jonathan Browning

Time since last rain: Less than 3 weeks Longer than 3 weeks

Storm Facility Location (ID): OF3602

Receiving Water: Arroyo Las Positas Creek

Storm Facility Type: End of Pipe Creek Drop Inlet/Catch Basin
 Channel Pump Station Ditch Other, Describe: _____

Observations:				
Standing / Stagnant water:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Flow:	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Trickle	<input type="checkbox"/> Steady	<input type="checkbox"/> High
Approximate Depth of Flow:	_____ Inches			
Estimated Trash Volume:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Odor:	<input type="checkbox"/> Present	<input checked="" type="checkbox"/> Absent		
Comment:	_____			
Color:	<input type="checkbox"/> Present	<input checked="" type="checkbox"/> Absent		
Comment:	_____			
Turbidity:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input checked="" type="checkbox"/> Low	<input type="checkbox"/> ND
Comment:	_____			
Hydrocarbon Sheen:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Sediment:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input checked="" type="checkbox"/> Low	<input type="checkbox"/> ND
Comment:	_____			
Other:	<input checked="" type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input type="checkbox"/> ND
Comment:	<u>Plant growth in creek and around outfall</u>			
Illicit discharge or illegal dumping found during screening?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
If yes, immediately notify Source Control.				
Date Completed:	_____			

Inspection Date: 6/28/2011 Inspection Time: 8:15 AM

Inspector Name: Jonathan Browning

Time since last rain: Less than 3 weeks Longer than 3 weeks

Storm Facility Location (ID): OF3603

Receiving Water: Arroyo Las Postes Creek

Storm Facility Type: End of Pipe Creek Drop Inlet/Catch Basin
 Channel Pump Station Ditch Other, Describe: _____

Observations:				
Standing / Stagnant water:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
Flow:	<input type="checkbox"/> None	<input checked="" type="checkbox"/> Trickle	<input type="checkbox"/> Steady	<input type="checkbox"/> High
Approximate Depth of Flow:	<u>1/2"</u> Inches			
Estimated Trash Volume:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Odor:	<input type="checkbox"/> Present	<input checked="" type="checkbox"/> Absent		
Comment:	_____			
Color:	<input type="checkbox"/> Present	<input checked="" type="checkbox"/> Absent		
Comment:	_____			
Turbidity:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Hydrocarbon Sheen:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Sediment:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Other:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Illicit discharge or illegal dumping found during screening? <input type="checkbox"/> Yes <input type="checkbox"/> No				
If yes, immediately notify Source Control.				
Date Completed:	<u>6/28/2011</u>			

Inspection Date: 1/27/2011 Inspection Time: 8:00 AM

Inspector Name: Jonathan Browning / Cesar Romo

Time since last rain: Less than 3 weeks Longer than 3 weeks

Storm Facility Location (ID): OF4D02

Receiving Water: Arroyo Las Positas

Storm Facility Type: End of Pipe Creek Drop Inlet/Catch Basin
 Channel Pump Station Ditch Other, Describe: _____

Observations:

Standing / Stagnant water: Yes No
 Flow: None Trickle Steady High
 Approximate Depth of Flow: 1/4" 1% Inches
 Estimated Trash Volume: High Medium Low ND
 Comment: _____

Odor: Present Absent
 Comment: _____

Color: Present Absent
 Comment: Clear

Turbidity: High Medium Low ND
 Comment: _____

Hydrocarbon Sheen: High Medium Low ND
 Comment: _____

Sediment: High Medium Low ND
 Comment: _____

Other: High Medium Low ND
 Comment: _____

Illicit discharge or illegal dumping found during screening? Yes No

If yes, immediately notify Source Control.

Date Completed: 1/27/2011

Inspection Date: 1/27/2011 Inspection Time: 8:30 AM

Inspector Name: Jonathan Browning / Cesar Romo

Time since last rain: Less than 3 weeks Longer than 3 weeks

Storm Facility Location (ID): OF4D03

Receiving Water: Arroyo Las Positas

Storm Facility Type: End of Pipe Creek Drop Inlet/Catch Basin
 Channel Pump Station Ditch Other, Describe: _____

Observations:

Standing / Stagnant water: Yes No
 Flow: None Trickle Steady High
 Approximate Depth of Flow: 1/4" 1% Inches
 Estimated Trash Volume: High Medium Low ND
 Comment: Trash up stream from outfall location

Odor: Present Absent
 Comment: _____

Color: Present Absent
 Comment: _____

Turbidity: High Medium Low ND
 Comment: _____

Hydrocarbon Sheen: High Medium Low ND
 Comment: _____

Sediment: High Medium Low ND
 Comment: _____

Other: High Medium Low ND
 Comment: _____

Illicit discharge or illegal dumping found during screening? Yes No
 If yes, immediately notify Source Control.

Date Completed: 1/27/2011

Inspection Date: 1/27/2011 Inspection Time: 9:00 AM

Inspector Name: Browning/Romo

Time since last rain: Less than 3 weeks Longer than 3 weeks

Storm Facility Location (ID): 0F4E01

Receiving Water: Arroyo Las Positas

Storm Facility Type: End of Pipe Creek Drop Inlet/Catch Basin
 Channel Pump Station Ditch Other, Describe: _____

Observations:				
Standing / Stagnant water:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
Flow:	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Trickle	<input type="checkbox"/> Steady	<input type="checkbox"/> High
Approximate Depth of Flow:	_____ Inches			
Estimated Trash Volume:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Odor:	<input type="checkbox"/> Present	<input checked="" type="checkbox"/> Absent		
Comment:	_____			
Color:	<input type="checkbox"/> Present	<input checked="" type="checkbox"/> Absent		
Comment:	_____			
Turbidity:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Hydrocarbon Sheen:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Sediment:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Other:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Illicit discharge or illegal dumping found during screening?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
If yes, immediately notify Source Control.				
Date Completed:	<u>1/27/2011</u>			

Inspection Date: 1/27/2011 Inspection Time: 9:30 AM

Inspector Name: Jonathan Browning / Cesar Rano

Time since last rain: Less than 3 weeks Longer than 3 weeks

Storm Facility Location (ID): OF4E02

Receiving Water: Arroyo Las Positas

Storm Facility Type: End of Pipe Creek Drop Inlet/Catch Basin
 Channel Pump Station Ditch Other, Describe: _____

Observations:				
Standing / Stagnant water:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
Flow:	<input type="checkbox"/> None	<input checked="" type="checkbox"/> Trickle	<input type="checkbox"/> Steady	<input type="checkbox"/> High
Approximate Depth of Flow:	<u>1/4" 10%</u> Inches			
Estimated Trash Volume:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Odor:	<input type="checkbox"/> Present	<input checked="" type="checkbox"/> Absent		
Comment:	_____			
Color:	<input type="checkbox"/> Present	<input checked="" type="checkbox"/> Absent		
Comment:	_____			
Turbidity:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Hydrocarbon Sheen:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Sediment:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Other:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Illicit discharge or illegal dumping found during screening?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
If yes, immediately notify Source Control.				
Date Completed:	_____			

Inspection Date: 1/27/2011 Inspection Time: 9:00 AM

Inspector Name: Browning/Romo

Time since last rain: Less than 3 weeks Longer than 3 weeks

Storm Facility Location (ID): 0F4E03

Receiving Water: Arroyo Las Positas

Storm Facility Type: End of Pipe Creek Drop Inlet/Catch Basin
 Channel Pump Station Ditch Other, Describe: _____

Observations:

Standing / Stagnant water: Yes No
 Flow: None Trickle Steady High
 Approximate Depth of Flow: 1/4" 1% Inches
 Estimated Trash Volume: High Medium Low ND
 Comment: _____

Odor: Present Absent
 Comment: _____

Color: Present Absent
 Comment: _____

Turbidity: High Medium Low ND
 Comment: _____

Hydrocarbon Sheen: High Medium Low ND
 Comment: _____

Sediment: High Medium Low ND
 Comment: _____

Other: High Medium Low ND
 Comment: _____

Illicit discharge or illegal dumping found during screening? Yes No
 If yes, immediately notify Source Control.

Date Completed: 1/27/2011

Inspection Date: 1/27/2011 Inspection Time: 9:45 AM

Inspector Name: Browning / Rano

Time since last rain: Less than 3 weeks Longer than 3 weeks

Storm Facility Location (ID): OF4F01

Receiving Water: Arroyo Seco Channel

Storm Facility Type: End of Pipe Creek Drop Inlet/Catch Basin
 Channel Pump Station Ditch Other, Describe: _____

Observations:				
Standing / Stagnant water:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
Flow:	<input type="checkbox"/> None	<input checked="" type="checkbox"/> Trickle	<input type="checkbox"/> Steady	<input type="checkbox"/> High
Approximate Depth of Flow:	<u>1 1/4" 1%</u> Inches			
Estimated Trash Volume:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Odor:	<input type="checkbox"/> Present	<input checked="" type="checkbox"/> Absent		
Comment:	_____			
Color:	<input type="checkbox"/> Present	<input checked="" type="checkbox"/> Absent		
Comment:	_____			
Turbidity:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Hydrocarbon Sheen:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Sediment:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Other:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Illicit discharge or illegal dumping found during screening?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
If yes, immediately notify Source Control.				
Date Completed:	_____			

Inspection Date: 1/27/2011 Inspection Time: 10:00

Inspector Name: Browning / Remo

Time since last rain: Less than 3 weeks Longer than 3 weeks

Storm Facility Location (ID): OF5601

Receiving Water: Arroyo Seco Channel

Storm Facility Type: End of Pipe Creek Drop Inlet/Catch Basin
 Channel Pump Station Ditch Other, Describe: _____

Observations:				
Standing / Stagnant water:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
Flow:	<input type="checkbox"/> None	<input type="checkbox"/> Trickle	<input type="checkbox"/> Steady	<input type="checkbox"/> High
Approximate Depth of Flow:	<u>1/4" 1%</u> Inches			
Estimated Trash Volume:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment: _____				
Odor:	<input type="checkbox"/> Present	<input checked="" type="checkbox"/> Absent		
Comment: _____				
Color:	<input type="checkbox"/> Present	<input checked="" type="checkbox"/> Absent		
Comment: _____				
Turbidity:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment: _____				
Hydrocarbon Sheen:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment: _____				
Sediment:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment: _____				
Other:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment: _____				
Illicit discharge or illegal dumping found during screening? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
If yes, immediately notify Source Control.				
Date Completed: _____				

Inspection Date: 1/27/2011 Inspection Time: 10:15

Inspector Name: Browning/Romo

Time since last rain: Less than 3 weeks Longer than 3 weeks

Storm Facility Location (ID): 0F5602

Receiving Water: Arroyo Las Positas (Relocated)

Storm Facility Type: End of Pipe Creek Drop Inlet/Catch Basin
 Channel Pump Station Ditch Other, Describe: _____

Observations:				
Standing / Stagnant water:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
Flow:	<input type="checkbox"/> None	<input checked="" type="checkbox"/> Trickle	<input type="checkbox"/> Steady	<input type="checkbox"/> High
Approximate Depth of Flow:	<u>1/4" 1/2"</u> Inches			
Estimated Trash Volume:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Odor:	<input type="checkbox"/> Present	<input checked="" type="checkbox"/> Absent		
Comment:	_____			
Color:	<input type="checkbox"/> Present	<input checked="" type="checkbox"/> Absent		
Comment:	_____			
Turbidity:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Hydrocarbon Sheen:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Sediment:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Other:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Illicit discharge or illegal dumping found during screening?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
If yes, immediately notify Source Control.				
Date Completed:	_____			

Inspection Date: 1/27/2011 Inspection Time: 10:30

Inspector Name: Browning / Remo

Time since last rain: Less than 3 weeks Longer than 3 weeks

Storm Facility Location (ID): OPSG03

Receiving Water: Relocated Arroyo Las Positas

Storm Facility Type: End of Pipe Creek Drop Inlet/Catch Basin
 Channel Pump Station Ditch Other, Describe: _____

<u>Observations:</u>				
Standing / Stagnant water:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
Flow:	<input type="checkbox"/> None	<input checked="" type="checkbox"/> Trickle	<input type="checkbox"/> Steady	<input type="checkbox"/> High
Approximate Depth of Flow:	<u>1/4" 10%</u>		Inches	
Estimated Trash Volume:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Odor:	<input type="checkbox"/> Present	<input checked="" type="checkbox"/> Absent		
Comment:	_____			
Color:	<input type="checkbox"/> Present	<input checked="" type="checkbox"/> Absent		
Comment:	_____			
Turbidity:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Hydrocarbon Sheen:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Sediment:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input type="checkbox"/> Low	<input checked="" type="checkbox"/> ND
Comment:	_____			
Other:	<input type="checkbox"/> High	<input type="checkbox"/> Medium	<input checked="" type="checkbox"/> Low	<input type="checkbox"/> ND
Comment:	<u>Sediment in catch basin before it hits the creek</u>			
Illicit discharge or illegal dumping found during screening?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
If yes, immediately notify Source Control.				
Date Completed:	_____			

FY 2010-2011 Annual Report

Permittee Name: City of Livermore

Attachment C.9- Yearly Summary Pesticide Use Report



INTEGRATED PEST MANAGEMENT POLICY FOR CITY-OWNED FACILITIES

Background

The City's National Pollutant Discharge Elimination System (NPDES) permit from the California Regional Water Quality Control Board (NPDES Permit, Order No. R2-2003-0021) issued to the member agencies of the Alameda Countywide Cleanwater Program requires that the City develop and implement an integrated pest management plan to address urban stream impairment by pesticides. In particular, organophosphate-containing pesticides (e.g., Diazinon and chlorpyrifos) have been found to persist in the environment and cause water quality impairment of some creeks, streams, and arroyos in Alameda County. This NPDES permit also requires the City is to implement measures to reduce discharges of copper into the San Francisco Bay.

Using non-chemical controls, biological controls, and less toxic chemicals instead of using copper-based and organophosphate pesticides to deal with pest problems will help reduce the impacts to local arroyos and San Francisco Bay.

Purpose and Goals

This policy sets forth the guiding principles for development and implementation of Integrated Pest Management (IPM) on all City properties. The goals of the IPM policy and its implementation throughout the city are to:

- A. Reduce or minimize pesticide use on City properties to ensure the City maintains compliance with NPDES permit requirements.
- B. Reduce the use of widespread spectrum pesticides when feasible.
- C. Create awareness among City staff of pest management techniques
- D. Provide a means of educating all City departments to practice the most appropriate approach to managing pests on City properties.
- E. Reduce or minimize pesticide use on City properties.
- F. Reduce the adverse impacts to water quality (both in local arroyos and the San Francisco Bay) due to pesticide usage.

Prevention

The first and most important part of any pest control plan is preventing the conditions that attract pests and result in a pest control problem. All City employees should remember to implement the following Good Housekeeping practices in their workstations, vehicles, break-rooms etc. to prevent the conditions that result in providing a food source and habitat that attract unwanted pests:

- A. Keep your workstation/office free of food scraps. Properly dispose of food wastes in a garbage container, which is sealed with a lid.
- B. Do not leave food out overnight. Refrigerate all food or store in pest-proof containers.

- C. Regularly wipe and clean counter top areas and tables where food is prepared and/or consumed.
- D. Keep waste storage/dumpster areas clean and free of litter and debris.
- E. Report pest control problems in a timely manner to the individual responsible for building maintenance activities in your department.
- F. And Remember: ***Pests are only a symptom. Food Sources and habitat are the real problem.***

Definitions

The following definitions are used in this Article:

Biological control - The use of biological technologies to manage unwanted pests. Examples of this type of control include, but would not be limited to the use of pheromone traps or beneficial insect release for control of certain types of weeds or invasive insects in landscapes.

Cultural control - The use of IPM control methods such as grazing, re-vegetation, piscing, mulching, proper irrigation, seeding, and landscaping with competitive or tolerant species to manage unwanted weeds, rodents or plant diseases.

DPR - Department of Pesticide Regulations for the State of California's Environmental Protection Agency DPR, in partnership with Federal Environmental Protection Agency (EPA) and County Department of Agriculture, oversees all issues regarding the registration, licensing and enforcement of laws and regulations pertaining to pesticides.

Environmental Stewardship - The strategic approach to pest management in which the IPM practitioners focus on preserving the natural integrity and health of the environment, including public safety, while recommending or applying pest management methods. Environmental Stewardship philosophy helps to create awareness of the Best Management Practices (BMPs) and their relationship to maintaining a healthy environment while conducting pest management activities.

Integrated Pest Management (IPM) - IPM is the strategic approach that focuses on long-term prevention of pests and their damage from reaching unacceptable levels by selecting and applying the most appropriate combination of available pest control methods. These include cultural, mechanical, biological and chemical technologies that are implemented for a given site and pest situation in ways that minimize economic, health and environmental risks.

Mechanical controls - The use of IPM control methods utilizing hand labor or equipment such as mowers, graders, weed-eaters, and chainsaws. Crack and crevice sealants and closing small entryways (i.e., around pipes and conduits) into buildings for insect and rodent management are also mechanical controls.

PCA - PCA or Pest Control Advisor is one licensed by the California Department of Pesticide Regulations according to Title 3, Article 5 of the California Code of Regulations. A licensed PCA, who is registered with the County Agricultural Commissioner provides written pest control recommendations for agricultural pest management, including parks, cemeteries, and rights-of-way.

Pesticides - Defined in Section 12753 of the California Food and Agricultural Code as any spray adjuvant, or any substance, or mixture of substances intended to be used for defoliating plants, regulating plant growth, or for preventing, destroying, repelling, or mitigating any pest, as defined in Section 12754.5 (of the Food and Agricultural Code), which may infest or be detrimental to vegetation, man, animals, or households, or be present in any agricultural or nonagricultural environment whatsoever. The term pesticide applies to herbicides, insecticides, fungicides, rodenticides and other substances used to control pests. Antimicrobial agents are not included in this definition of pesticides

QAL - Qualified Applicators License is a licensed applicator according to Title 3, Article 3 of the California Code of Regulations. This license allows supervision of applications that may include residential, industrial, institutional, landscape, or rights-of-way sites.

QAC - Qualified Applicators Certificate is a certified applicator of pesticides according to Title 3, Article 3 of the California Code of Regulations. This license allows supervision of applications that may include residential, industrial, landscape, or rights-of-way sites.

Structural Pest Control Operator (SPCO- Branch I, II or III) - A licensed applicator for pest control within buildings and homes according to the requirements of the Structural Pest Control Board of the California Department of Consumer Affairs.

Integrated Pest Management (IPM) Policy

The City of Livermore, including all departments and staff herein, and contractors providing pest control services on City property shall follow the City's IPM policy for the control or management of pests in and around city buildings and facilities, parks and golf courses, urban landscape areas, rights-of-way, and other City properties.

Licensed Pest Control Advisors or individuals with valid Qualified Applicators License and/or Qualified Applicators Certificate will consider the options or alternatives listed below in the following order, before recommending the use of or applying any pesticide on City property:

- A. No controls (e.g., tolerating the pest infestation, use of resistant plant varieties or allowing normal life cycle of weeds)
- B. Physical or mechanical controls (e.g., hand labor, mowing, etc.)
- C. Cultural controls (e.g., mulching, disking, alternative vegetation)
- D. Biological controls (e.g., natural enemies or predators)
- E. Reduced-risk chemical controls (e.g., soaps or oils)

City employees, Licensed Pest Management Contractors and other appropriately licensed contractors or individuals (QAL, QAC, SPCO), employed to control or manage pests will follow the City's Integrated Pest Management Policy and utilize generally accepted Best Management Practices to the maximum extent practicable. Pesticide Applicators will use the most current IPM technologies available to ensure the long-term prevention or suppression of pest problems and to minimize negative impacts on the environment, non-target organisms, and human health.

All City departments and employees will promote non-toxic and reduced-risk alternatives for structural and landscape pest control, seeking to use the most up to date IPM technologies and best management practices. The City will provide education for all City staff regarding IPM practices. The Water Resources Division along with the Parks and Trees Division, the Golf

Course Division, and the Building Maintenance Division will provide information to business owners/operators, residents, and contractors employed in special assessment service districts with information regarding the City's IPM Policy.

New contracts that are entered into with pest management contractors and other appropriately licensed contractors employed to provide services that involve pesticide application at City-owned properties after **January 1, 2006** will include requirements that the contractors follow the requirements of the City's Integrated Pest Management Policy and implement the most current IPM technologies and best management practices.

City of Livermore property leaseholders will be informed of the City's IPM Policy by and encouraged to use, whenever practical, the most current IPM technologies and best management practices.

Pesticide Application

Only City of Livermore employees or appropriate licensed contractors employed by the City who are authorized and trained in pesticide application (i.e., hold PCA, QAL, QAC, or Structural Branch Operator I, II, or III certifications/licenses or individuals working under the supervision of one of the aforementioned certificate/license holders) may apply pesticides to or within City property.

City employees who are not authorized and trained in pesticide application are prohibited from using any pesticides, including "over-the-counter brands", in or around the work place. If insects or other pests are infesting a work area, contact **the Purchasing Department (ext. 4342)** to arrange for a pest management contractor or authorized personnel to apply the appropriate control methods.

City of Livermore employees and/or contractors employed by the City who are trained to recommend or apply pesticides will not use or promote the use of organophosphate pesticides (e.g., those containing Diazinon and chlorpyrifos) or copper-based pesticides unless:

1. Their use is judicious,
2. Other approaches and techniques have been considered, and;
3. Adverse water-quality impacts are minimized to the maximum extent practicable.

When recommending pesticides for use or applying pesticides, the element of Environmental Stewardship must always be taken into consideration. City employees, pest management contractors, and other appropriately licensed contractors employed by the City will select and apply IPM methods that will have the least impact on water quality and the environment.

City employees or appropriately licensed contractors employed by the City will always avoid applications of pesticides that directly contact water, unless the pesticide is registered under Federal and California law for aquatic use. Pesticides that are not approved for aquatic use will not be applied to areas immediately adjacent to water bodies where through drift, drainage, or erosion, there is a reasonable possibility of a pesticide being transported into surface water. Discharges of pollutants from the use of aquatic pesticides to the waters of the United States require coverage under a NPDES permit. Those city employees or appropriately licensed contractors employed by the City who apply pesticides directly to waters of the United States will

obtain a NPDES permit from the California State Water Quality Resources Control Board Region 2, prior to making any pesticide applications.

City Employee and Pest Control Contractor Training for PCA, QAL, QAC or Structural Pest Control Operators

(Branch I, II, and III)

Pest Control Advisors and Applicators, pest management contractors, and other “contract for service providers” servicing city-owned properties will be licensed by the State of California Department of Pesticide Regulations (DPR) as a Pest Control Advisor or licensed Qualified Applicator. City employees involved with pesticide applications as a normal part of their job duties and pest management contractors hired by the City will be trained as required by State of California DPR rules, the County Agricultural Commissioner, and/or the Structural Pest Control Board.

City Staff responsible for pest management on City property will provide annual training to all employees who apply pesticides as a normal part of their job duties on:

1. Pesticide Safety,
2. The City's IPM Policy, and
3. Appropriate Best Management Practices and Integrated Pest Management Technologies supported by the Alameda Countywide Clean Water Program

Education and Outreach

The Water Resources Division's Source Control Program, in participation with the Alameda Countywide Clean Water Program, will continue with its existing program to encourage people who live, work, and/or attend school in Livermore to:

1. Obtain information on IPM techniques to control pests and minimize pesticide use;
2. Use IPM technologies for dealing with pest problems;
3. Perform pesticide applications according to the manufacturer's instructions as detailed on the products label, and in accordance with all applicable State and Local Laws and Regulations set forth to protect the environment, the public, and the applicator; and
4. Properly dispose of unused pesticides and their containers.

Reporting Requirements

Each City department, pest management contractor, or other appropriately licensed contractors employed by the City to provide services that involve pesticide application will submit an **Annual Pesticide Use Summary Report** for each service site, which details the product name, pesticide type (i.e. Pyrethroid, Carbamate, organophosphate, etc.) along with the total quantity of each pesticide used during the prior Fiscal Year (July 1, xxx1 to June 30, xxx2) in order to provide an accounting of pesticide use at City-owned properties. **Annual Pesticide Use Summary Report's shall be submitted by July 15th of each year to the Water Resources Division's Environmental Compliance Supervisor.** This information is reported as a part of the City's NPDES Stormwater Permit Annual Report compiled by the Water Resources Division's Source Control Program.

Each City department that applies pesticides will conduct an **Annual Inventory** by **June 30th** of each fiscal year. Each City department subject to this requirement will complete an **Annual Inventory Report Form** which lists the product name, pesticide type (i.e. Pyrethoid, Carbamate, organophosphate, etc.) and the quantity on hand, as well as, identify pesticides that are no longer legal or appropriate for applications per Federal, State, County, or City requirements. **Annual Inventory Reports shall be submitted by July 15th of each year to the Water Resources Division's Environmental Compliance Supervisor.** This information is reported as a part of the City's NPDES Stormwater Permit Annual Report compiled by the Water Resources Division's Source Control Program.

Annual Inventory Report Forms and Annual Pesticide Use Summary Report Forms are attached to this policy. Additional Forms may be obtained by contacting the Water Resources Division at 925-960-8100.

Policy Approved and Adopted by:

Dan McIntyre, Public Works Director

Date

Hydrant Number	Area	Date	Name/Int	Blow Off	Min	Ga/MIN	Total Gal
1G4WFH506	4	30-Nov-10	KEVIN L	NO	15	1020	15,300
2G1WFH102	4	30-Nov-10	KEVIN L	NO	10	1020	10,200
2G2WFH203	4	30-Nov-10	KEVIN L	NO	5	1020	5,100
2G2WFH313	4	30-Nov-10	KEVIN L	NO	5	1020	5,100
2G1WFH308	4	30-Nov-10	KEVIN L	NO	5	1075	5,375
2G2WFH310	4	30-Nov-10	KEVIN L	NO	15	1075	16,125
2G2WFH402	4	30-Nov-10	KEVIN L	NO	5	1075	5,375
2G4WFH107	4	30-Nov-10	KEVIN L	NO	5	1075	5,375
BRIDLE CT	4	30-Nov-10	KEITH R	YES	10	340	3,400
MARTINGALE CT	4	30-Nov-10	KEITH R	YES	5	340	1,700
HORSESHOE CT	4	30-Nov-10	KEITH R	YES	10	340	3,400
LARIAT CT	4	30-Nov-10	KEITH R	YES	8	340	2,720
HERMITAGE CT	4	30-Nov-10	KEITH R	YES	10	340	3,400
2G2WFH309	4	30-Nov-10	KEITH R	NO	7	930	6,510
2G2WFH311	4	30-Nov-10	KEITH R	NO	10	930	9,300
2G2WFH404	4	30-Nov-10	KEITH R	NO	10	1030	10,300
2G2WFH302	4	30-Nov-10	KEITH R	NO	18	1030	18,540
SKYLINKS CT	4	30-Nov-10	KEITH R	YES	5	340	1,700
2G2WFH407	4	30-Nov-10	KEITH R	NO	20	1075	21,500
SPYGLASS HILLS RD	4	30-Nov-10	KEITH R	YES	5	340	1,700
2G2WFH506	4	30-Nov-10	KEITH R	NO	15	1075	16,125
2G4WFH308	4	2-Dec-10	KEVIN L	NO	5	760	3,800
2G4WFH401	4	2-Dec-10	KEVIN L	NO	5	1000	5,000
2G4WFH403	4	2-Dec-10	KEVIN L	NO	15	1020	15,300
2G4WFH502	4	2-Dec-10	KEVIN L	NO	10	1020	10,200
2G4WFH204	4	2-Dec-10	KEVIN L	NO	10	1020	10,200

2G4WFH209	4	2-Dec-10	KEITH R	NO	12	1020	12,240
2G4WFH201	4	2-Dec-10	KEITH R	NO	15	1050	15,750
2G4WFH310	4	2-Dec-10	KEITH R	NO	12	960	11,520
2G4WFH304	4	2-Dec-10	KEITH R	NO	10	1000	10,000
2G1WFH401	4	2-Dec-10	KEITH R	NO	7	1127	7,889
2G1WFH501	4	2-Dec-10	KEITH R	NO	5	1127	5,635
2G4WFH206	4	2-Dec-10	KEITH R	NO	5	1030	5,150
2G4WFH210	4	2-Dec-10	MATT S	NO	5	1020	5,100
2G4WFH203	4	2-Dec-10	MATT S	NO	5	990	4,950
2G4WFH302	4	2-Dec-10	MATT S	NO	11	1040	11,440
2G1WFH301	4	2-Dec-10	MATT S	NO	5	110	550
2G4WFH102	4	2-Dec-10	MATT S	NO	15	961	14,415
2G4WFH205	4	6-Dec-10	MIKE D	NO	10	1075	10,750
2G4WFH306	4	6-Dec-10	MIKE D	NO	10	1075	10,750
2G3WFH504	4	6-Dec-10	MIKE D	NO	10	1075	10,750
2G4WFH506	4	6-Dec-10	MIKE D	NO	15	1127	16,905
2G4WFH501	4	6-Dec-10	MIKE D	NO	15	1127	16,905
1612 Broadmore Ct.	4	6-Dec-10	MIKE D	YES	10	340	3,400
HYDRANT 2G4 (address5626)	4	6-Dec-10	MIKE D	NO	15	1027	15,405
5524 Brushy Peak Ct.	4	6-Dec-10	MIKE D	YES	10	340	3,400
3G2WFH213	4	6-Dec-10	MIKE D	NO	10	1127	11,270
3G4WFH204	4	6-Dec-10	MIKE D	NO	10	1075	10,750
3G2WFH308	4	6-Dec-10	MIKE D	NO	5	1075	5,375
2G4WFH206	4	6-Dec-10	MIKE D	NO	5	1127	5,635
2G3WFH302	4	6-Dec-10	MIKE D	NO	5	1075	5,375
2G4WFH312	4	6-Dec-10	MIKE D	NO	15	1075	16,125
2G4WFH307	4	6-Dec-10	MIKE D	NO	15	1075	16,125

2G4WFH405	4	6-Dec-10	MIKE D	NO	5	1075	5,375
2G4WFH403	4	6-Dec-10	MIKE D	NO	10	1075	10,750
3G2WFH101	4	6-Dec-10	MIKE D	NO	5	1075	5,375
2G4WFH505	4	6-Dec-10	MIKE D	NO	5	1020	5,100
3G2WFH316	4	6-Dec-10	MIKE D	NO	20	1075	21,500
3G2WFH407	4	6-Dec-10	MIKE D	NO	15	1075	16,125
3G2WFH406	4	7-Dec-10	MIKE D	NO	10	1027	10,270
FIRE HYDRANT (COLUMBINE &	4	7-Dec-10	MIKE D	NO	15	1075	16,125
3G2WFH413	4	7-Dec-10	MIKE D	NO	10	1075	10,750
3G2WFH502	4	7-Dec-10	MIKE D	NO	10	1075	10,750
3G4WFH101	4	7-Dec-10	MIKE D	NO	20	1075	21,500
3G2WFH411	4	7-Dec-10	MIKE D	NO	15	1027	15,405
5718 CHERRY CT.	4	7-Dec-10	MIKE D	YES	15	340	5,100
3G4WFH505	4	7-Dec-10	MIKE D	NO	45	1075	48,375
3G4WFH306	4	7-Dec-10	MIKE D	NO	40	1075	43,000
3G2WFH409	4	7-Dec-10	MIKE D	NO	10	1075	10,750
3G2WFH205	4	7-Dec-10	MIKE D	NO	10	1020	10,200
3G2WFH203	4	7-Dec-10	MIKE D	NO	5	1075	5,375
3G2WFH311	4	7-Dec-10	MIKE D	NO	5	1075	5,375
3G2WFH405	4	7-Dec-10	MIKE D	NO	5	1020	5,100
3G2WFH504	4	7-Dec-10	MIKE D	NO	30	1020	30,600
3G4WFH507	4	7-Dec-10	MIKE D	NO	60	1020	61,200
5727 SHOEMAKER CT	4	7-Dec-10	MIKE D	YES	5	340	1,700
3G4WFH203	4	7-Dec-10	MIKE D	NO	15	961	14,415
3G4WFH504	4	7-Dec-10	MIKE D	NO	8	1020	8,160
3G4WFH303	4	7-Dec-10	MIKE D	NO	70	1020	71,400
3G4WFH105	4	7-Dec-10	MIKE D	NO	30	1020	30,600

3G3WFH106	4	8-Dec-10	MIKE D	NO	20	974	19,480
3G3WFH301	4	8-Dec-10	MIKE D	NO	7	1077	7,539
3G4WFH407	4	8-Dec-10	MIKE D	NO	15	974	14,610
3G4WFH105	4	8-Dec-10	MIKE D	NO	20	690	13,800
3G4WFH205	4	8-Dec-10	MIKE D	NO	10	961	9,610
3G4WFH307	4	8-Dec-10	MIKE D	NO	10	961	9,610
3G4WFH403	4	8-Dec-10	MIKE D	NO	5	961	4,805
3G4WFH504	4	8-Dec-10	MIKE D	NO	20	961	19,220
4G1WFH101	4	8-Dec-10	MIKE D	NO	10	1075	10,750
3G4WFH305	4	8-Dec-10	MIKE D	NO	10	832	8,320
3G3WFH403	4	8-Dec-10	MIKE D	NO	15	899	13,485
4G2WFH103	4	8-Dec-10	MIKE D	NO	15	760	11,400
3G1WFH302	5	9-Dec-10	MIKE D	NO	15	1020	15,300
3G1WFH201	5	9-Dec-10	MIKE D	NO	15	899	13,485
2G3WFH505	5	9-Dec-10	MIKE D	NO	10	961	9,610
3G1WFH205	5	9-Dec-10	MIKE D	NO	5	1020	5,100
1932 PARKSIDE CT	5	9-Dec-10	MIKE D	YES	5	340	1,700
2F4WFH510	5	9-Dec-10	MIKE D	NO	10	1032	10,320
2F4WFH305	5	9-Dec-10	MIKE D	NO	10	865	8,650
2F4WFH104	5	9-Dec-10	MIKE D	NO	10	899	8,990
2FHWFH308	5	9-Dec-10	MIKE D	NO	5	1020	5,100
1486 HEATHER	5	9-Dec-10	MIKE D	YES	15	961	14,415
3G1WFH502	5	9-Dec-10	MIKE D	NO	5	961	4,805
3G3WFH110	5	9-Dec-10	MIKE D	NO	5	832	4,160
5371 AZALEA CT	5	9-Dec-10	MIKE D	YES	5	340	1,700
3G3WFH109	5	9-Dec-10	MIKE D	NO	5	832	4,160
3G1WFH505	5	9-Dec-10	MIKE D	NO	10	1020	10,200

1555 MARIGLD CT	5	9-Dec-10	MIKE D	YES	5	340	1,700
3G3WFH205	5	9-Dec-10	MIKE D	NO	5	899	4,495
3G3WFH404	5	9-Dec-10	MIKE D	NO	5	961	4,805
3G1WFH107	5	9-Dec-10	KEITH R	NO	10	899	8,990
3G1WFH106	5	9-Dec-10	KEITH R	NO	8	1090	8,720
3G1WFH102	5	9-Dec-10	KEITH R	NO	14	961	13,454
AQUARIUS ST	5	9-Dec-10	KEITH R	NO	10	340	3,400
2G3WFH501	5	9-Dec-10	KEITH R	NO	15	961	14,415
3G1WFH103	5	9-Dec-10	KEITH R	NO	15	931	13,965
ARIES CT	5	9-Dec-10	KEITH R	YES	8	340	2,720
PARKSIDE CT	5	9-Dec-10	KEITH R	NO	10	990	9,900
HYDRANT	5	9-Dec-10	KEITH R	NO	10	990	9,900
2F4WFH402	5	9-Dec-10	KEITH R	NO	10	1075	10,750
2F4WFH301	5	9-Dec-10	KEITH R	NO	10	832	8,320
2F4WFH307	5	9-Dec-10	KEITH R	NO	10	899	8,990
2F4WFH203	5	9-Dec-10	KEITH R	NO	10	832	8,320
BUCKSKIN CT	5	9-Dec-10	KEITH R	YES	8	340	2,720
2G3WFH102	5	9-Dec-10	KEITH R	NO	8	1075	8,600
3G1WFH405	5	9-Dec-10	KEITH R	NO	8	1000	8,000
3G1WFH305	5	9-Dec-10	KEITH R	NO	10	1075	10,750
3G1WFH406	5	9-Dec-10	KEITH R	NO	10	1075	10,750
3G1WFH503	5	9-Dec-10	KEITH R	NO	20	1075	21,500
3G1WFH409	5	9-Dec-10	KEITH R	NO	10	760	7,600
3G3WFH101	5	9-Dec-10	KEITH R	NO	10	930	9,300
TULIP CT	5	9-Dec-10	KEITH R	YES	5	340	1,700
3G3WFH307	5	9-Dec-10	KEITH R	NO	12	832	9,984
3G3WFH505	5	9-Dec-10	KEITH R	NO	5	990	4,950
3G1WFH208	5	9-Dec-10	KEVIN L	NO	10	1020	10,200

1821 CASSIOPIA CT	5	9-Dec-10	KEVIN L	YES	10	680	6,800
3G1WFH211	5	9-Dec-10	KEVIN L	NO	10	1020	10,200
3G1WFH202	5	9-Dec-10	KEVIN L	NO	20	1020	20,400
3G1WFH205	5	9-Dec-10	KEVIN L	NO	20	1020	20,400
3G1WFH501	5	9-Dec-10	KEVIN L	NO	15	1075	16,125
2F4WFH302	5	9-Dec-10	KEVIN L	NO	20	1075	21,500
2F4WFH106	5	9-Dec-10	KEVIN L	NO	20	1075	21,500
2F4 BLOWOFF	5	9-Dec-10	KEVIN L	YES	45	760	34,200
3G1WFH205	5	9-Dec-10	KEVIN L	NO	10	1127	11,270
5110 QUINCE CT	5	9-Dec-10	KEVIN L	YES	15	685	10,275
3G3WFH106	5	9-Dec-10	KEVIN L	NO	10	1127	11,270
3G3WFH105	5	9-Dec-10	KEVIN L	NO	10	1127	11,270
3G2WFH543	5	9-Dec-10	KEVIN L	NO	15	1075	16,125
3G3WFH103	5	9-Dec-10	KEVIN L	NO	15	1075	16,125
3G3WFH306	5	9-Dec-10	KEVIN L	NO	20	1127	22,540
3G3WFH305	5	13-Dec-10	MATT S	NO	5	1050	5,250
4G1WFH202	5	13-Dec-10	MATT S	NO	25	1050	26,250
4G1WFH205	5	13-Dec-10	MATT S	NO	10	1050	10,500
4F2WFH301	5	13-Dec-10	MATT S	NO	5	340	1,700
4F2WFH203	5	13-Dec-10	MATT S	NO	10	1090	10,900
3F4WFH508	5	13-Dec-10	MATT S	NO	30	980	29,400
3F4WFH411	5	13-Dec-10	MATT S	NO	15	760	11,400
3F4WFH415	5	13-Dec-10	MATT S	NO	65	1150	74,750
4G1WFH104	5	13-Dec-10	MIKE D	NO	5	961	4,805
4G1WFH103	5	13-Dec-10	MIKE D	NO	5	899	4,495
4G1WFH305	5	13-Dec-10	MIKE D	NO	10	1020	10,200
4G1WFH203	5	13-Dec-10	MIKE D	NO	10	899	8,990

4F2WFH103	5	13-Dec-10	MIKE D	NO	15	832	12,480
3F4WFH409	5	13-Dec-10	MIKE D	NO	50	961	48,050
3F4WFH418	5	13-Dec-10	MIKE D	NO	5	899	4,495
3F4WFH404	5	13-Dec-10	MIKE D	NO	8	832	6,656
3F4WFH204	5	13-Dec-10	MIKE D	NO	10	832	8,320
3F4WFH304	5	13-Dec-10	MIKE D	NO	10	832	8,320
3FHWFH308	5	13-Dec-10	MIKE D	NO	15	832	12,480
3F4WFH-106	5	14-Dec-10	MIKE D	NO	40	961	38,440
3F4WFH-114	5	14-Dec-10	MIKE D	NO	20	961	19,220
3F4WFH-504	5	14-Dec-10	MIKE D	NO	35	961	33,635
3F2WFH-514	5	14-Dec-10	MIKE D	NO	10	961	9,610
4073 Bristlecone Way 3F2	5	14-Dec-10	MIKE D	YES	5	340	1,700
3F4WFH-406	5	14-Dec-10	MIKE D	NO	5	961	4,805
2048 Pinon Ct. 3F2	5	14-Dec-10	MIKE D	YES	10	340	3,400
3G3WFH-501	5	14-Dec-10	MIKE D	NO	5	961	4,805
3F4WFH-408	5	14-Dec-10	MIKE D	NO	15	961	14,415
3F4WFH-510	5	14-Dec-10	MIKE D	NO	5	961	4,805
3F4WFH-307	5	14-Dec-10	MIKE D	NO	5	961	4,805
3F4WFH-309	5	14-Dec-10	MIKE D	NO	5	961	4,805
3F4WFH-414	5	14-Dec-10	MIKE D	NO	5	961	4,805
3F4WFH-306	5	14-Dec-10	MIKE D	NO	5	961	4,805
3F4WFH-210	5	14-Dec-10	MIKE D	NO	5	961	4,805
1337 Morning Glory Cir. 3F4	5	14-Dec-10	MIKE D	YES	5	340	1,700
3F4WFH-206	5	14-Dec-10	MIKE D	NO	19	1130	21,470
3F4WFH-214	5	14-Dec-10	MIKE D	NO	25	930	23,250
3F4WFH-105	5	14-Dec-10	MIKE D	NO	10	990	9,900
3F4WFH-112	5	14-Dec-10	MIKE D	NO	15	960	14,400

3F2WFH-506	5	14-Dec-10	MIKE D	NO	5	890	4,450
3F2WFH-413	5	14-Dec-10	MIKE D	NO	10	1075	10,750
3F2WFH-302	5	14-Dec-10	MIKE D	NO	10	830	8,300
4G1WFH-105	5	14-Dec-10	MIKE D	NO	10	960	9,600
3G3WFH-507	5	14-Dec-10	MIKE D	NO	15	800	12,000
4603 Apple Tree Com.	5	14-Dec-10	MIKE D	YES	5	340	1,700
3F4WFH-313	5	14-Dec-10	MIKE D	NO	5	930	4,650
3F4WFH-311	5	14-Dec-10	MIKE D	NO	15	1020	15,300
3F4WFH-213	5	14-Dec-10	MIKE D	NO	5	900	4,500
3F4WFH-119	5	14-Dec-10	MIKE D	NO	10	900	9,000
3F2WFH-510	5	15-Dec-10	KEITH R	NO	15	930	13,950
3F2WFH-508	5	15-Dec-10	KEITH R	NO	20	1175	23,500
3F2WFH-502	5	15-Dec-10	KEITH R	NO	20	1100	22,000
3F2WFH408	5	15-Dec-10	KEITH R	NO	10	680	6,800
3F2WFH-402	5	15-Dec-10	KEITH R	NO	15	1000	15,000
3F2WFH-405	5	15-Dec-10	KEITH R	NO	15	960	14,400
3F4WFH-208	5	15-Dec-10	KEITH R	NO	10	1026	10,260
3F4WFH-120	5	15-Dec-10	KEITH R	NO	10	1050	10,500
1977 RHODODENDRON	5	20-Dec-10	MIKE D	YES	10	340	3,400
3F2WFH-104	5	20-Dec-10	MIKE D	NO	5	1020	5,100
2051 GALLOWAY COM. 3F2	5	20-Dec-10	MIKE D	YES	5	340	1,700
2224 PERCHERON RD. 2F4	5	20-Dec-10	MIKE D	YES	10	340	3,400
2F4WFH-303	5	20-Dec-10	MIKE D	NO	10	961	9,610
2F4WFH-404	5	20-Dec-10	MIKE D	NO	7	1020	7,140
3H2WFH-102	3	20-Dec-10	KEVIN L	NO	10	980	9,800
6998 VILLAGE CT	3	20-Dec-10	KEVIN L	YES	20	481	9,620
2H3WFH-410	3	20-Dec-10	KEVIN L	NO	5	1520	7,600

2H3WFH-413	3	20-Dec-10	KEVIN L	NO	5	1520	7,600
3H1WFH-205	3	20-Dec-10	KEVIN L	NO	20	1225	24,500
2H3WFH-502	3	20-Dec-10	MIKE D	NO	5	1100	5,500
6972 DEERWOOD CT	3	20-Dec-10	MIKE D	YES	10	340	3,400
2H3WFH-508	3	20-Dec-10	MIKE D	NO	5	1127	5,635
2H3WFH-412	3	20-Dec-10	MIKE D	NO	5	1127	5,635
3H1WFH-106	3	20-Dec-10	MIKE D	NO	5	1127	5,635
1202 WINDING STREAM CT	3	20-Dec-10	MIKE D	YES	5	340	1,700
3H1WFH-201	3	20-Dec-10	MIKE D	NO	8	1127	9,016
1186 EL RIO CT	3	20-Dec-10	MIKE D	YES	8	340	2,720
2H4WFH-402	3	20-Dec-10	MATT S	NO	10	1238	12,380
2H3WFH-507	3	20-Dec-10	MATT S	NO	15	1238	18,570
3H1WFH-105	3	20-Dec-10	MATT S	NO	10	1180	11,800
1215 ROLLING HILLS CT	3	20-Dec-10	MATT S	YES	5	340	1,700
3H1WFH-107	3	20-Dec-10	MATT S	NO	10	1269	12,690
1183 SADDLEVIEW CT	3	20-Dec-10	MATT S	NO	5	340	1,700
3H1WFH-208	3	21-Dec-10	MATT S	NO	5	1215	6,075
2H3WFH-506	3	21-Dec-10	MATT S	NO	10	1250	12,500
2H3 (SW CORNER ALTAMONT CIR)	3	21-Dec-10	MATT S	NO	10	1240	12,400
2H3WFH-305	3	21-Dec-10	MATT S	NO	5	1163	5,815
2H4WFH-201	3	21-Dec-10	MATT S	NO	8	1325	10,600
2H3WFH-208	3	21-Dec-10	MATT S	NO	5	1160	5,800
1776 KNOLL CT	3	21-Dec-10	MATT S	YES	0	0	0
2H2WFH-501	3	21-Dec-10	MATT S	NO	10	1100	11,000
2H2 (BLUFFS & LAUGHLIN)	3	21-Dec-10	MATT S	NO	15	1200	18,000
1H3WFH-503	3	21-Dec-10	MATT S	NO	20	1250	25,000
2H1WFH-204	3	21-Dec-10	MATT S	NO	10	1220	12,200

2111 DRY CREEK CT 6810	3	21-Dec-10	MATT S	YES	5	340	1,700
BROOKEVIEW CT 1H3 (HILLSTONE CT)	3	21-Dec-10	KEVIN L	YES	10	340	3,400
	3	21-Dec-10	KEVIN L	NO	15	1316	19,740
2275 BLUFFS CT	3	21-Dec-10	KEVIN L	YES	20	340	6,800
3H1WFH-110 6696 BROOKDALE CT	3	21-Dec-10	MIKE D	NO	10	1316	13,160
2H3 (ALTAMONT CIR)	3	21-Dec-10	MIKE D	YES	10	340	3,400
	3	21-Dec-10	MIKE D	NO	5	1316	6,580
2H3WFH-313 1402 FOX CREEK CT	3	21-Dec-10	MIKE D	NO	5	1177	5,885
	3	21-Dec-10	MIKE D	YES	5	340	1,700
2H3WFH-314 2H3 (BEAR CREEK DR)	3	21-Dec-10	MIKE D	NO	5	1225	6,125
1613 BLACK OAK CT	3	21-Dec-10	MIKE D	NO	10	1177	11,770
	3	21-Dec-10	MIKE D	YES	0	0	0
2H1WFH-401	3	21-Dec-10	MIKE D	NO	10	1177	11,770
2H1WFH-203	3	21-Dec-10	MIKE D	NO	30	1200	36,000
2H1WFH-105	3	21-Dec-10	MIKE D	NO	5	1177	5,885
6824 LAKE CT	3	21-Dec-10	MIKE D	YES	5	340	1,700
2H1WFH-104 2325 HILLSTONE DR	3	21-Dec-10	MIKE D	NO	5	1225	6,125
511WFH- (PATTERSON)	3	21-Dec-10	MIKE D	YES	5	340	1,700
	1	28-Dec-10	MATT S	NO	10	1150	11,500
413WFH-402	1	28-Dec-10	MATT S	NO	7	1020	7,140
413WFH-404	1	28-Dec-10	MATT S	NO	15	1150	17,250
5H3WFH-114	1	28-Dec-10	MATT S	NO	10	1150	11,500
5H1WFH-202	1	28-Dec-10	MATT S	NO	15	1180	17,700
411WFH-201	1	28-Dec-10	MATT S	NO	15	1200	18,000
411WFH-102	1	28-Dec-10	MATT S	NO	15	1150	17,250
411WFH-206	1	28-Dec-10	MATT S	NO	15	1200	18,000
4H2WFH-404	1	28-Dec-10	MATT S	NO	20	1200	24,000

5I2WFH- (PATTERSON)	1	28-Dec-10	KEVIN L	NO	10	1239	12,390
5I2WFH-106	1	28-Dec-10	KEVIN L	NO	8	1225	9,800
5I2WFH-108	1	28-Dec-10	KEVIN L	NO	10	1239	12,390
5H2WFH-110	1	28-Dec-10	KEVIN L	NO	10	1239	12,390
5H2WFH-112	1	28-Dec-10	KEVIN L	NO	10	1272	12,720
5H1WFH-108	1	28-Dec-10	KEVIN L	NO	10	1272	12,720
5H1WFH-110	1	28-Dec-10	KEVIN L	NO	10	1316	13,160
5H1WFH-102	1	28-Dec-10	KEVIN L	NO	10	1316	13,160
5H1WFH-202	1	28-Dec-10	KEVIN L	NO	10	1316	13,160
4I1WFH-201	1	28-Dec-10	KEVIN L	NO	10	1238	12,380
4I1WFH-302	1	28-Dec-10	KEVIN L	NO	10	1238	12,380
4I1WFH-206	1	28-Dec-10	KEVIN L	NO	10	1238	12,380
4H2WFH-410	1	28-Dec-10	KEVIN L	NO	20	1238	24,760
4H2WFH510	1	28-Dec-10	KEVIN L	NO	5	1269	6,345
674 ENTERPRISE CT	1	28-Dec-10	KEVIN L	YES	5	349	1,745
PINNACLE CT	1	28-Dec-10	KEVIN L	YES	5	349	1,745
4H4WFH-106	1	29-Dec-10	KEVIN L	NO	5	1269	6,345
4H2WFH-408	1	29-Dec-10	KEVIN L	NO	5	1269	6,345
4H2WFH-521	1	29-Dec-10	KEVIN L	NO	5	1269	6,345
4H3WFH-104	1	29-Dec-10	KEVIN L	NO	5	1269	6,345
4H3WFH-102	1	29-Dec-10	KEVIN L	NO	5	1269	6,345
3I3WFH-103	1	29-Dec-10	KEVIN L	NO	15	1201	18,015
3H4WFH-204	1	29-Dec-10	KEVIN L	NO	20	1201	24,020
3H4WFH-306	1	29-Dec-10	KEVIN L	NO	20	1201	24,020
4H4WFH-207	1	29-Dec-10	KEVIN L	NO	15	1269	19,035
4H4WFH-206	1	29-Dec-10	KEVIN L	NO	5	1269	6,345
4H4WFH-204	1	29-Dec-10	KEVIN L	NO	5	1269	6,345

4H4WFH205	1	29-Dec-10	KEVIN L	NO	5	1269	6,345
4H3WFH-307	1	29-Dec-10	KEVIN L	NO	20	1269	25,380
555EXCHANGE CT	1	29-Dec-10	KEVIN L	YES	25	340	8,500
3H4WFH104	2	3-Jan-11	KEITH R	NO	8	1128	9,024
3H2WFH-417	2	3-Jan-11	KEITH R	NO	10	1026	10,260
3H4WFH106	2	3-Jan-11	KEITH R	NO	6	1163	6,978
3H4WFH303	2	3-Jan-11	KEITH R	NO	5	1201	6,005
3H4WFH101	2	3-Jan-11	KEITH R	NO	5	1163	5,815
3H3WFH404	2	3-Jan-11	KEITH R	NO	5	852	4,260
3H3WFH304	2	3-Jan-11	KEITH R	NO	5	974	4,870
3H3WFH405	2	3-Jan-11	KEITH R	NO	5	914	4,570
4H1WFH104	2	3-Jan-11	KEITH R	NO	5	974	4,870
4H1WFH103	2	3-Jan-11	KEITH R	NO	15	698	10,470
4H1WFH202	2	3-Jan-11	KEITH R	NO	5	914	4,570
3H3WFH406	2	3-Jan-11	KEITH R	NO	15	698	10,470
3H3WFH109	2	3-Jan-11	KEITH R	NO	15	974	14,610
3H1WFH302	2	3-Jan-11	MIKE D	NO	10	1127	11,270
3H2WFH409	2	3-Jan-11	MIKE D	NO	10	1127	11,270
3H2WFH301	2	3-Jan-11	MIKE D	NO	5	1177	5,885
3H2WFH412	2	3-Jan-11	MIKE D	NO	5	1177	5,885
3H1WFH409	2	3-Jan-11	MIKE D	NO	5	1020	5,100
3H3WFH203	2	3-Jan-11	MIKE D	NO	5	1020	5,100
4H1WFH502	2	3-Jan-11	MIKE D	NO	10	1020	10,200
4H1WFH102	2	3-Jan-11	MIKE D	NO	5	961	4,805
4G2WFH109	2	3-Jan-11	MIKE D	NO	5	832	4,160
3H3WFH206	2	3-Jan-11	MIKE D	NO	10	832	8,320
3H4WFH306	2	3-Jan-11	KEVIN L	NO	15	1177	17,655

3H4WFH505	2	3-Jan-11	KEVIN L	NO	15	1177	17,655
4H2WFH101	2	3-Jan-11	KEVIN L	NO	15	961	14,415
4H1WFH201	2	3-Jan-11	KEVIN L	NO	10	961	9,610
4H1WFH301	2	3-Jan-11	KEVIN L	NO	10	1020	10,200
4H1WFH403	2	3-Jan-11	KEVIN L	NO	10	1020	10,200
3H3WFH106	3	5-Jan-11	KEVIN L	NO	15	1316	19,740
BERRYESSA CT.	3	5-Jan-11	KEVIN L	YES	10	481	4,810
HAVASU CT.	3	5-Jan-11	KEVIN L	YES	20	481	9,620
FOLSOM CT.	3	5-Jan-11	KEVIN L	YES	15	481	7,215
EAGLE CT.	3	5-Jan-11	KEVIN L	YES	15	481	7,215
LAUREL CREEK	3	5-Jan-11	KEVIN L	YES	5	481	2,405
GREENHILL CT.	3	5-Jan-11	KEVIN L	YES	10	481	4,810
RAMBLEWOOD	3	5-Jan-11	KEVIN L	YES	5	589	2,945
WILLOWVIEW CT.	3	5-Jan-11	KEVIN L	YES	15	340	5,100
2H3WFH512	3	5-Jan-11	KEVIN L	YES	10	1359	13,590
3H1WFH203	3	5-Jan-11	KEITH R	NO	15	1077	16,155
3H1WFH206	3	5-Jan-11	KEITH R	NO	15	1021	15,315
3G2WFH218	3	5-Jan-11	KEITH R	NO	10	1077	10,770
3H1WFH117	3	5-Jan-11	KEITH R	NO	8	1201	9,608
2H3WFH505	3	5-Jan-11	KEITH R	NO	8	1163	9,304
2H3WFH516	3	5-Jan-11	KEITH R	NO	8	1163	9,304
ELCAPITAN CT.W	3	5-Jan-11	KEITH R	YES	5	340	1,700
2H3WFH514	3	5-Jan-11	KEITH R	NO	5	1163	5,815
RIDGESTONE CT.	3	5-Jan-11	KEITH R	YES	5	340	1,700
3G2WFH104	3	5-Jan-11	KEITH R	NO	10	1201	12,010
2H3WFH403	3	5-Jan-11	KEITH R	NO	8	1163	9,304
2H3WFH404	3	5-Jan-11	KEITH R	NO	10	1201	12,010

2H3WFH205	3	5-Jan-11	KEITH R	NO	25	1269	31,725
2H3WFH NO#	3	5-Jan-11	KEITH R	NO	10	1163	11,630
3H1WFH413	3	5-Jan-11	MIKE D	NO	10	1127	11,270
3H1WFH305	3	5-Jan-11	MIKE D	NO	5	1125	5,625
3H1WFH303	3	5-Jan-11	MIKE D	NO	15	1125	16,875
HALFDOME CT.	3	5-Jan-11	MIKE D	YES	10	340	3,400
3H1WFH412	3	5-Jan-11	MIKE D	NO	5	1127	5,635
3G2WFH418	3	5-Jan-11	MIKE D	NO	5	1127	5,635
BALTUSROL CT.	3	5-Jan-11	MIKE D	YES	10	340	3,400
WINGEDFOOT CT	3	5-Jan-11	MIKE D	YES	10	340	3,400
RIVIERA CT.	3	5-Jan-11	MIKE D	YES	10	340	3,400
2G4WFH509	3	5-Jan-11	MIKE D	NO	5	1177	5,885
2G4WFH314	3	5-Jan-11	MIKE D	NO	5	1177	5,885
ALTAMAR CT.	3	5-Jan-11	MIKE D	YES	5	340	1,700
2G4WFH212	3	5-Jan-11	MIKE D	NO	5	1127	5,635
MALLARD CT.	3	5-Jan-11	MIKE D	YES	5	340	1,700
PHEASANT CT.	3	5-Jan-11	MIKE D	YES	5	340	1,700
DOVE CT,	3	5-Jan-11	MIKE D	YES	5	340	1,700
2H3WFHno# Hawk	3	6-Jan-11	KEITH R	NO	15	1177	17,655
2H3WFHno# 6418 Tiffany	3	6-Jan-11	KEITH R	NO	10	1177	11,770
2H1WFHno# 6552 Tiffany	3	6-Jan-11	KEITH R	NO	10	961	9,610
2H3WFH212	3	6-Jan-11	KEVIN L	NO	25	1401	35,025
2G4WFHno# 6147 Poinsettia Ct.	3	6-Jan-11	KEVIN L	NO	20	1359	27,180
2G2WFHno# Tiffany Commons	3	6-Jan-11	KEVIN L	NO	20	1359	27,180
4G2WFH-104	6	11-Jan-11	KEITH R	NO	8	974	7,792
4G2WFH-202	6	11-Jan-11	KEITH R	NO	6	974	5,844
4G1WFH-504	6	11-Jan-11	KEITH R	NO	10	974	9,740

4G3WFH-212	6	11-Jan-11	KEITH R	NO	8	974	7,792
4G2WFH-215	6	11-Jan-11	KEITH R	NO	12	974	11,688
4G1WFH-401	6	11-Jan-11	KEITH R	NO	25	1026	25,650
4G1WFH-403	6	11-Jan-11	KEITH R	NO	10	1026	10,260
4G1 (SOUTHFRONT)	6	11-Jan-11	KEITH R	YES	10	340	3,400
5F2WFH-416	6	11-Jan-11	MIKE D	NO	10	1127	11,270
5F2WFH-307	6	11-Jan-11	MIKE D	NO	5	1127	5,635
5F2WFH-301	6	11-Jan-11	MIKE D	NO	10	1075	10,750
5F2WFH-(ADD)	6	11-Jan-11	MIKE D	NO	10	1127	11,270
4G1WFH-505	6	11-Jan-11	MIKE D	NO	50	1020	51,000
4H3WFH-304	6	11-Jan-11	MATT S	NO	20	1127	22,540
4G4WFH-404	6	11-Jan-11	MATT S	NO	10	1177	11,770
4G4WFH-508	6	11-Jan-11	MATT S	NO	37	1150	42,550
4G4WFH-302	6	11-Jan-11	MATT S	NO	25	1150	28,750
4G4WFH-401	6	11-Jan-11	MATT S	NO	17	1150	19,550
4G3WFH-502	6	12-Jan-11	KEITH R	NO	15	1026	15,390
4G4WFH505	6	12-Jan-11	KEITH R	NO	15	1121	16,815
4G3WFH105	6	12-Jan-11	KEITH R	NO	5	974	4,870
5G1WFH101	6	12-Jan-11	KEITH R	NO	20	974	19,480
5G1WFH104	6	12-Jan-11	KEITH R	NO	12	974	11,688
4G3WFH503	6	12-Jan-11	KEITH R	NO	12	1026	12,312
4G3WFH505	6	12-Jan-11	KEITH R	NO	10	974	9,740
4G3WFH401	6	12-Jan-11	KEITH R	NO	15	1026	15,390
4G3WFH409	6	12-Jan-11	KEITH R	NO	10	914	9,140
4G3WFH214	6	12-Jan-11	MATT S	NO	15	940	14,100
4G4WFH501	6	12-Jan-11	MATT S	NO	10	960	9,600
4G3WFH411	6	12-Jan-11	MATT S	NO	20	1130	22,600

4G3WFH204	6	12-Jan-11	MATT S	NO	15	960	14,400
4G3WFH207	6	12-Jan-11	MATT S	NO	10	1000	10,000
4G3WFH301	6	12-Jan-11	MATT S	NO	10	1000	10,000
5H1WFH303	7	13-Jan-11	MATT S	NO	65	950	61,750
5G2WFH413	7	13-Jan-11	MATT S	NO	50	1020	51,000
5H3WFH102	7	13-Jan-11	MATT S	NO	15	1020	15,300
5G2WFH212	7	13-Jan-11	MIKE D	NO	194	1020	197,880
551 Stacy Ct.	7	13-Jan-11	MIKE D	YES	20	340	6,800
5614 Lydia Ct.	7	13-Jan-11	MIKE D	YES	10	340	3,400
5642 Tammy Ct.	7	13-Jan-11	MIKE D	YES	10	340	3,400
5595 Edna Ct.	7	13-Jan-11	MIKE D	NO	10	340	3,400
5G2WFH309	7	13-Jan-11	MIKE D	NO	10	1020	10,200
5G2WFH412	7	13-Jan-11	KEITH R	YES	78	961	74,958
5G4WFH109	7	13-Jan-11	KEITH R	YES	20	899	17,980
5H1WFH502	7	13-Jan-11	KEITH R	YES	25	899	22,475
5H3WFH203	7	13-Jan-11	KEITH R	YES	10	832	8,320
5G4WFH-109	7	18-Jan-11	MATT S	NO	10	1020	10,200
5G4WFH-238	7	18-Jan-11	MATT S	NO	25	990	24,750
5G4WFH-401	7	18-Jan-11	MATT S	NO	15	850	12,750
5G2WFH-505	7	18-Jan-11	MIKE D	NO	15	1020	15,300
5572 ANITA CT	7	18-Jan-11	MIKE D	YES	10	340	3,400
5G4WFH-201	7	18-Jan-11	MIKE D	NO	15	961	14,415
HELGA CT	7	18-Jan-11	KEVIN L	YES	5	340	1,700
5G4WFH-209	7	18-Jan-11	KEVIN L	NO	10	961	9,610
5H3WFH-ADD	7	19-Jan-11	MIKE D	NO	20	899	17,980
5H3WFH-104	7	19-Jan-11	MIKE D	NO	10	832	8,320
5H3WFH-504	7	19-Jan-11	MIKE D	NO	5	899	4,495

5H3WFH-501	7	19-Jan-11	MIKE D	NO	10	832	8,320
6H1WFH-101	7	19-Jan-11	MIKE D	NO	5	832	4,160
6H1WFH-205	7	19-Jan-11	MIKE D	NO	10	899	8,990
5H3WFH-302	7	19-Jan-11	MATT S	NO	15	961	14,415
5G4WFH-412	7	19-Jan-11	MATT S	NO	15	961	14,415
6G2WFH-107	7	19-Jan-11	MATT S	NO	15	1020	15,300
6G2WFH-209	7	19-Jan-11	MATT S	NO	20	800	16,000
6G2WFH-316	7	19-Jan-11	MATT S	NO	10	1050	10,500
6H1WFH-401	7	19-Jan-11	MATT S	NO	10	850	8,500
5G4WFH-410	7	19-Jan-11	KEVIN L	NO	25	961	24,025
5G4WFH-510	7	19-Jan-11	KEVIN L	NO	20	961	19,220
6G2WFH-203	7	19-Jan-11	KEVIN L	NO	20	899	17,980
6G2WFH-317	7	19-Jan-11	KEVIN L	NO	25	899	22,475
6H1WFH-202	7	19-Jan-11	KEVIN L	NO	15	899	13,485
5G2WFH-206	7	31-Jan-11	MIKE D	NO	10	1020	10,200
5G2WFH303	7	1-Feb-11	MIKE D	NO	15	1026	15,390
5G2WFH404	7	1-Feb-11	MIKE D	NO	5	974	4,870
5G2WFH501	7	1-Feb-11	MIKE D	NO	15	974	14,610
5G2WFH	7	1-Feb-11	MIKE D	NO	15	974	14,610
5G2WFH204	7	1-Feb-11	KEITH R	NO	10	1050	10,500
5G2WFH307	7	1-Feb-11	KEITH R	NO	8	961	7,688
5G2WFH411	7	1-Feb-11	KEITH R	NO	20	1020	20,400
5G2WFH302	7	1-Feb-11	KEVIN L	NO	20	760	15,200
5G2WFH410	7	1-Feb-11	KEVIN L	NO	20	760	15,200
5G2WFH406	7	1-Feb-11	KEVIN L	NO	20	760	15,200
5G1WFH304	7	7-Feb-11	DAVE L	NO	5	914	4,570
5G1WFH507	7	7-Feb-11	KEITH R	NO	40	914	36,560

5G1WFH310	7	7-Feb-11	MIKE D	NO	10	1020	10,200
5G3WFH404	7	7-Feb-11	MIKE D	NO	50	950	47,500
5G3WFH404	7	7-Feb-11	MIKE D	NO	25	1360	34,000
5G4WFH105	7	8-Feb-11	KEITH R	NO	60	604	36,240
5G4WFH204	7	8-Feb-11	KEITH R	NO	25	604	15,100
5G4WFH509	7	8-Feb-11	KEITH R	NO	15	852	12,780
5G4WFH407	7	8-Feb-11	KEITH R	NO	10	740	7,400
5G4WFH207	7	8-Feb-11	KEITH R	NO	20	604	12,080
5G4WFH209	7	8-Feb-11	JIM L	NO	60	590	35,400
5G4WFH305	7	8-Feb-11	JIM L	NO	15	680	10,200
5G4WFH307	7	8-Feb-11	JIM L	NO	5	604	3,020
5G4WFH106	7	8-Feb-11	MATT S	NO	70	600	42,000
5G4WFH303	7	8-Feb-11	MATT S	NO	20	600	12,000
5G4WFH405	7	8-Feb-11	MATT S	NO	30	500	15,000
5G4WFH104	7	8-Feb-11	MATT S	NO	10	600	6,000
5H3WFH203	7	8-Feb-11	MATT S	NO	5	832	4,160
6G4WFH108	7	8-Feb-11	MATT S	NO	20	720	14,400
6G2WFH720	7	8-Feb-11	MATT S	NO	15	720	10,800
5G3WFH109	7	8-Feb-11	DAVE L	NO	50	700	35,000
5G4WFH302	7	8-Feb-11	DAVE L	NO	20	600	12,000
5G4WFH404	7	8-Feb-11	DAVE L	NO	10	590	5,900
5G4WFH504	7	8-Feb-11	DAVE L	NO	10	600	6,000
5G4WFH202	7	8-Feb-11	DAVE L	NO	15	700	10,500
5G4WFH203	7	8-Feb-11	DAVE L	NO	15	600	9,000
6G2WFH-513	7	9-Feb-11	MATT S	NO	60	920	55,200
6G2WFH-515	7	9-Feb-11	MATT S	NO	13	940	12,220
6G1WFH-513	7	9-Feb-11	MATT S	NO	55	850	46,750

6G1WFH-516	7	9-Feb-11	MATT S	NO	15	931	13,965
6G1WFH-506	7	9-Feb-11	MATT S	NO	40	950	38,000
6G1WFH-402	7	9-Feb-11	MATT S	NO	30	900	27,000
6G2WFH-502	7	10-Feb-11	MATT S	NO	85	780	66,300
6G2WFH-219	7	10-Feb-11	MATT S	NO	10	780	7,800
6G2WFH-204	7	10-Feb-11	MATT S	NO	15	700	10,500
5G4WFH-406	7	10-Feb-11	MATT S	NO	25	780	19,500
6G2WFH-402	7	16-Feb-11	MATT S	NO	20	720	14,400
6G2WFH-504	7	16-Feb-11	MATT S	NO	10	720	7,200
6G2WFH-505	7	16-Feb-11	MATT S	NO	10	720	7,200
6G2WFH-417	7	16-Feb-11	MATT S	NO	10	800	8,000
6G2WFH-413	7	16-Feb-11	MATT S	NO	10	760	7,600
6G2WFH-302	7	16-Feb-11	MATT S	NO	10	720	7,200
6G2WFH-510	7	16-Feb-11	MATT S	NO	5	760	3,800
6G2WFH-511	7	16-Feb-11	MATT S	NO	15	832	12,480
6G2WFH-404	7	16-Feb-11	MATT S	NO	10	720	7,200
6G2WFH-303	7	16-Feb-11	MATT S	NO	10	700	7,000
6G2WFH-318	7	16-Feb-11	KEVIN L	NO	10	604	6,040
6G2WFH-314	7	16-Feb-11	KEVIN L	NO	5	493	2,465
6G2WFH-315	7	16-Feb-11	KEVIN L	NO	10	604	6,040
6G2WFH-405	7	16-Feb-11	KEVIN L	NO	10	493	4,930
6G2WFH-301	7	16-Feb-11	KEVIN L	NO	10	914	9,140
6G2WFH-412	7	16-Feb-11	KEVIN L	NO	10	604	6,040
6G2WFH-410	7	16-Feb-11	KEVIN L	NO	15	604	9,060
6G2 (JULIET CT)	7	16-Feb-11	KEVIN L	YES	10	349	3,490
6G1WFH-309	7	16-Feb-11	KEVIN L	NO	5	852	4,260
6G2WFH-208	7	16-Feb-11	KEVIN L	NO	10	604	6,040

6G1WFH-106	7	17-Feb-11	KEVIN L	NO	10	760	7,600
5G4WFH-502	7	17-Feb-11	KEVIN L	NO	10	530	5,300
6G2WFH-102	7	17-Feb-11	MATT S	NO	15	589	8,835
5G4WFH-508	7	17-Feb-11	MATT S	NO	15	589	8,835
6G1WFH-102	7	17-Feb-11	MIKE D	NO	15	720	10,800
5G3WFH510 2805	7	17-Feb-11	MIKE D	NO	10	800	8,000
RUTHERFORD LN 2783 WHITEHALL CT	8	17-Feb-11	MIKE D	NO	40	600	24,000
	8	17-Feb-11	MIKE D	YES	25	340	8,500
2551 COWAN WAY	8	17-Feb-11	MIKE D	NO	15	700	10,500
6110 DETERT CT 2891	8	17-Feb-11	MIKE D	YES	15	340	5,100
RUTHERFORD CT 2614 CALISTOGA CT	8	17-Feb-11	MATT S	YES	90	340	30,600
	8	17-Feb-11	MATT S	YES	20	340	6,800
2639 COWAN WAY	8	17-Feb-11	MATT S	NO	15	860	12,900
2478 DETERT CT 6192 BELLA OAKS CT	8	17-Feb-11	MATT S	NO	15	720	10,800
7653 ST HELENA CT	8	17-Feb-11	KEVIN L	YES	90	340	30,600
2779 SILVERADO CT	8	17-Feb-11	KEVIN L	NO	25	680	17,000
	8	17-Feb-11	KEVIN L	YES	60	340	20,400
2426 COWAN WAY 6G4 (WELCH & TAIT)	8	17-Feb-11	KEVIN L	NO	15	832	12,480
	8	22-Feb-11	MATT S	NO	30	650	19,500
6G4 (NEWHALL & ROBINSON)	8	22-Feb-11	MATT S	NO	20	550	11,000
6G4 (CARNEGIE & STAGHORN)	8	22-Feb-11	MATT S	NO	90	915	82,350
1804 HOPPS CT	8	22-Feb-11	KEVIN L	YES	45	340	15,300
7H1 ELSTON ST	8	22-Feb-11	KEITH R	NO	10	680	6,800
7H1 ELSTON ST	8	22-Feb-11	KEITH R	NO	10	760	7,600
7H1 SENGER	8	22-Feb-11	KEITH R	NO	5	760	3,800
7H1 DECKER	8	22-Feb-11	KEITH R	NO	10	760	7,600
7H1 TILDEN	8	22-Feb-11	KEITH R	NO	5	589	2,945

7H1 TREADWELL	8	22-Feb-11	KEITH R	NO	20	832	16,640
7H1 WELCH	8	22-Feb-11	KEITH R	NO	5	760	3,800
7H1 ROBINSON	8	22-Feb-11	KEITH R	NO	25	832	20,800
7H1 PEREGRINE	8	22-Feb-11	KEITH R	NO	15	832	12,480
5573 BECK LN	8	22-Feb-11	KEITH R	YES	10	340	3,400
6G4 ELDER	8	22-Feb-11	KEITH R	NO	20	760	15,200
6G4 STAGHORN & HOPPS	8	22-Feb-11	KEITH R	NO	55	760	41,800
7H1 (2524 KELLOGG)	8	23-Feb-11	MATT S	NO	10	500	5,000
7H1 (KELLOGG CT)	8	23-Feb-11	MATT S	NO	5	340	1,700
7H1 (5744 STOCKTON LOOP)	8	23-Feb-11	MATT S	NO	45	934	42,030
7H1 94569 STOCKTON LOOP)	8	23-Feb-11	MATT S	NO	20	880	17,600
6G4 (DRESSLER)	8	23-Feb-11	KEITH R	NO	30	760	22,800
6G4 (DRESSLER)	8	23-Feb-11	KEITH R	NO	12	899	10,788
7H1 (STILES)	8	23-Feb-11	KEITH R	NO	30	832	24,960
7H1 (COOPER & STOCKTON LOOP)	8	23-Feb-11	KEITH R	NO	50	760	38,000
7H1 (MCLARREN CT)	8	23-Feb-11	KEITH R	NO	15	730	10,950
7H1 (STOCKTON LOOP FARWEST)	8	23-Feb-11	KEITH R	NO	15	832	12,480
6G4 (STAGHORN & DRESSLER)	8	23-Feb-11	KEVIN L	NO	15	680	10,200
6G4 (END OF STAGHORN)	8	23-Feb-11	KEVIN L	YES	20	340	6,800
7H1 (2626 KELLOGG PL)	8	23-Feb-11	KEVIN L	YES	10	340	3,400
7G1 (THOMAS CT)	8	23-Feb-11	KEVIN L	NO	50	589	29,450
7H1 (FLAGG ST)	8	23-Feb-11	KEVIN L	NO	20	589	11,780
6G4 (2256 Lawson Cir.)	8	24-Feb-11	KEITH R	NO	40	1026	41,040
6G4 (2071 Lawson Cir.)	8	24-Feb-11	KEITH R	NO	30	1077	32,310
6G4 (5326 Carnegie Loop)	8	24-Feb-11	KEITH R	NO	20	974	19,480
6G1 (2043 Hall Cir.)	8	24-Feb-11	KEITH R	NO	10	914	9,140
6G4 (5403 Carnegie Loop)	8	24-Feb-11	MATT S	NO	30	720	21,600

6G4 (5455 Carnegie Loop)	8	24-Feb-11	MATT S	YES	17	340	5,780
6G4 (5452 Maybeck)	8	24-Feb-11	MATT S	NO	15	1020	15,300
6G4WFH101	9	28-Feb-11	KEITH R	NO	5	780	3,900
6G1WFH507	9	28-Feb-11	KEITH R	NO	10	760	7,600
6G1B/O DANA CT.	9	28-Feb-11	KEITH R	YES	5	340	1,700
6G1WFH407	9	28-Feb-11	KEITH R	NO	5	680	3,400
6G1WFH402	9	28-Feb-11	KEITH R	NO	40	680	27,200
6G1WFH310	9	28-Feb-11	KEITH R	NO	60	760	45,600
6G1WFH202	9	28-Feb-11	KEITH R	NO	5	832	4,160
5G3WFH503	9	28-Feb-11	KEITH R	NO	8	790	6,320
5G3WFH306	9	28-Feb-11	KEITH R	NO	30	760	22,800
6G1WFH408	9	28-Feb-11	MIKE D	NO	78	700	54,600
6G1WFH410	9	28-Feb-11	MIKE D	NO	20	700	14,000
6G1WFH207	9	28-Feb-11	MIKE D	NO	30	760	22,800
6G1B/O CINDY CT.	9	28-Feb-11	MIKE D	YES	15	340	5,100
5G3B/O JEANNIE	9	28-Feb-11	MIKE D	YES	15	340	5,100
5F4WFH204	9	3-Mar-11	KEITH R	NO	20	832	16,640
5F4WFH311	9	3-Mar-11	KEITH R	NO	20	760	15,200
5F4WFH310	9	3-Mar-11	KEITH R	NO	10	760	7,600
5F4WFH318	9	3-Mar-11	KEITH R	NO	10	680	6,800
5F4B/O SNIDER CT.	9	3-Mar-11	KEITH R	YES	20	340	6,800
5F4WFH206	9	3-Mar-11	KEITH R	NO	10	680	6,800
6G1B/O HOLLACE CT.	9	3-Mar-11	KEITH R	YES	5	640	3,200
5G3WFH510	9	3-Mar-11	KEITH R	NO	10	680	6,800
5G3WFH411	9	3-Mar-11	KEITH R	NO	12	680	8,160
5G3WFH 4880	9	3-Mar-11	KEITH R	NO	10	680	6,800
MARCELLA CT.	9	3-Mar-11	KEITH R	NO	10	680	6,800
5G3B/O MARCELLA	9	3-Mar-11	KEITH R	YES	5	340	1,700

5G3WFH308	9	3-Mar-11	KEITH R	NO	10	680	6,800
5F4WFH502	9	3-Mar-11	KEITH R	NO	10	700	7,000
5G3B/O PHYLIS CT	9	3-Mar-11	KEVIN L	YES	15	340	5,100
5F4B/O LOYOLA	9	3-Mar-11	KEVIN L	NO	15	340	5,100
5I4WFH314	9	3-Mar-11	KEVIN L	NO	20	589	11,780
5IHB/O GROVE CT	9	3-Mar-11	KEVIN L	YES	20	340	6,800
6G1B/O MACKENZEE	9	3-Mar-11	KEVIN L	YES	15	340	5,100
6G1WFH203	9	3-Mar-11	KEVIN L	NO	15	680	10,200
6G1WFH201	9	3-Mar-11	KEVIN L	YES	15	340	5,100
6G1WFH107	9	3-Mar-11	KEVIN L	NO	10	589	5,890
5G3B/O GLADIS CT	9	3-Mar-11	KEVIN L	YES	5	340	1,700
5G3WFH309	9	3-Mar-11	KEVIN L	NO	15	589	8,835
5G3WFH305	9	4-Mar-11	KEITH R	NO	5	680	3,400
5G3WFH312	9	4-Mar-11	KEITH R	NO	5	680	3,400
5G3WFH105	9	4-Mar-11	KEITH R	NO	10	760	7,600
5G3WFH303	9	4-Mar-11	KEITH R	NO	5	680	3,400
5G3WFH207	9	4-Mar-11	KEITH R	NO	15	680	10,200
5G3WFH208	9	4-Mar-11	KEITH R	NO	50	760	38,000
5G3WFH110	9	4-Mar-11	KEITH R	NO	5	760	3,800
5G3WFH103	9	4-Mar-11	KEITH R	NO	10	680	6,800
5G3WFH511	9	4-Mar-11	KEITH R	NO	5	680	3,400
5G1WFH409	9	4-Mar-11	KEVIN L	NO	20	680	13,600
5G1B/O ERICA CT.	9	4-Mar-11	KEVIN L	YES	15	340	5,100
5G1WFH309	9	4-Mar-11	KEVIN L	NO	15	961	14,415
5G3WFH210	9	4-Mar-11	KEVIN L	NO	15	680	10,200

5G1WFH506	9	4-Mar-11	KEVIN L	NO	15	760	11,400
5G1WFH411	9	4-Mar-11	KEVIN L	NO	15	680	10,200
5G1B/O ANDREA CT.	9	4-Mar-11	KEVIN L	YES	20	340	6,800
5G3WFH111	9	4-Mar-11	MIKE D	NO	10	780	7,800
5F2WFH504	9	4-Mar-11	MIKE D	NO	10	780	7,800
5F4WFH108	9	4-Mar-11	MIKE D	NO	40	780	31,200
5F4B/O JAMI CT	9	4-Mar-11	MIKE D	YES	10	340	3,400
5G1WFH408	9	4-Mar-11	MIKE D	NO	10	800	8,000
5G1B/O ALYSIA CT.	9	4-Mar-11	MIKE D	YES	10	340	3,400
5G1WFH308	9	4-Mar-11	MIKE D	NO	5	504	2,520
5G1B/O MARCIA	9	4-Mar-11	MIKE D	YES	10	340	3,400
5G1B/O CASSADY	9	4-Mar-11	MIKE D	YES	10	340	3,400
5G1WFH407	9	4-Mar-11	MIKE D	NO	5	800	4,000
4C2WFH118	11	7-Mar-11	KEITH R	NO	5	1177	5,885
3C4WFH406	11	7-Mar-11	KEITH R	NO	10	760	7,600
3D3WFH403	11	7-Mar-11	KEITH R	NO	10	899	8,990
3D3WFH432	11	7-Mar-11	KEITH R	NO	5	899	4,495
3D3WFH309	11	7-Mar-11	KEITH R	NO	15	899	13,485
4C2WFH COPPER CREST	11	7-Mar-11	MIKE D	NO	15	1077	16,155
3D3WFH509	11	7-Mar-11	MIKE D	NO	5	1026	5,130
3D3WFH526	11	7-Mar-11	MIKE D	NO	10	780	7,800
3C4WFH106	11	7-Mar-11	MATT S	NO	10	1150	11,500
3C4WFH339	11	7-Mar-11	MATT S	NO	15	500	7,500
3D3WFH410	11	7-Mar-11	MATT S	NO	11	760	8,360

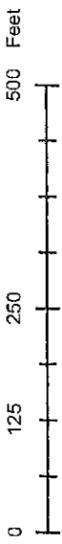
FY 2010-2011 Annual Report

Permittee Name: City of Livermore

Attachment C.15- Potable Systems Quadrant Map



CITY OF LIVERMORE
WATER SYSTEMS FACILITIES



- MAINS**
- AC
 - CI
 - DI
 - - - PVC
 - STEEL
 - UNK
 - REC
 - - - ZONE 7
 - - - CAL W

