



CITY OF PITTSBURG
Engineering Department
Development Division
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September 15, 2011

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

Ms. Pamela Creedon, Executive Officer
California Regional Water Quality Control Board
Central Valley Region
11020 Sun Center Drive, #200
Rancho Cordova, CA 95670-6114

Dear Mr. Wolfe and Ms. Creedon:

Enclosed is the 2010 - 2011 Annual Report for the City of Pittsburg, which is required by and in accordance with Provision C.16 in National Pollutant Discharge Elimination System (NPDES) Permit Number CAS612008 issued by the San Francisco Bay Regional Water Quality Control Board and/or by Provision C.13 in NPDES Permit Number CA0083313 issued by the Central Valley Regional Water Quality Control Board.

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

Very truly yours,

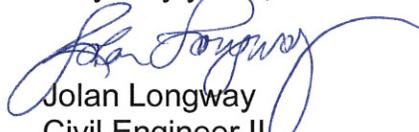

Jolan Longway
Civil Engineer II

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Section 1 – Permittee Information

Background Information				
Permittee Name:	City of Pittsburg			
Population:	69,000			
NPDES Permit No.:	CAS612008 (San Francisco Bay RWQCB Permit) and/or CA00883313 (Central Valley RWQCB Permit)			
Order Number:	R2-2009-0074 (San Francisco Bay RWQCB) and/or R5-2010-0102 (Central Valley RWQCB)			
Reporting Time Period (month/year):	July / 2010 through June / 2011			
Name of the Responsible Authority:	Jolan Longway	Title:	Civil Engineer II	
Mailing Address:	65 Civic Avenue			
City:	Pittsburg	Zip Code:	94561	County: Contra Costa
Telephone Number:	(925) 252-4803	Fax Number	(925) 252-6928	
E-mail Address:	jlongway@ci.pittsburg.ca.us			
Name of the Designated Stormwater Management Program Contact (if different from above):	Same as above	Title:	Same as above	
Department:	Engineering			
Mailing Address:	65 Civic Avenue			
City:	Pittsburg	Zip Code:	94565	County: Contra Costa
Telephone Number:	(925) 252-4930	Fax Number:	(925) 252-6928	
E-mail Address:	jlongway@ci.pittsburg.ca.us			

Section 2 - Provision C.2 Reporting Municipal Operations

Program Highlights and Evaluation

Highlight/summarize activities for reporting year:

Summary:

City Public Works staff participated in the countywide program's Municipal Operations Committee.

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:

X	Control of debris and waste materials during road and parking lot installation, repaving or repair maintenance activities from polluting stormwater
X	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.
X	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:

X	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
X	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.
N/A	Contract specifications requiring proper capture and disposal methods for wastes generated from bridge and structural maintenance and graffiti removal activities.
Comments: The City Public Works Department does not contract maintenance services for bridge and structural maintenance or graffiti removal.	

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):

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

Pump Station Name and Location	First inspection Dry Weather DO Data		Second inspection Dry Weather DO Data	
	Date	mg/L	Date	mg/L
Montezuma Slough Pump Station (Lat. 38.02848; Long. -121.89184)	10/6/10	See summary below for DO data	10/20/10	See summary below for DO data

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

Summary:

Notes:

10/06/10 - Suction side D.O. = 3.2 mg/L; discharge side D.O. = 1.6 mg/L; discharge side with pump running = 5.3 mg/L. Testing by W. Pease and A. Corti.

10/20/10 - Suction side D.O. = 2.3 mg/L; discharge side D.O. = 1.6 mg/L; discharge side with pump running = 4.6 mg/L. Testing by W. Pease and A. Corti.

Attachments:

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)
Montezuma Slough Pump Station	10/28/10	None	No	Yes *	Yes *	No
Montezuma Slough Pump Station	11/9/10	None	No	Yes *	Yes *	No

C.2.e. ► Rural Public Works Construction and Maintenance			
Does your municipality own/maintain rural ² roads:		<input type="checkbox"/>	<input checked="" type="checkbox"/> Yes <input checked="" 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 type="checkbox"/>	Control of road-related erosion and sediment transport from road design, construction, maintenance, and repairs in rural areas		
<input type="checkbox"/>	Identification and prioritization of rural road maintenance based on soil erosion potential, slope steepness, and stream habitat resources		
<input type="checkbox"/>	No impact to creek functions including migratory fish passage during construction of roads and culverts		
<input type="checkbox"/>	Inspection of rural roads for structural integrity and prevention of impact on water quality		
<input type="checkbox"/>	Maintenance of rural roads adjacent to streams and riparian habitat to reduce erosion, replace damaging shotgun culverts and excessive erosion		
<input type="checkbox"/>	Re-grading of unpaved rural roads to slope outward where consistent with road engineering safety standards, and installation of water bars as appropriate		
<input type="checkbox"/>	Inclusion of measures to reduce erosion, provide fish passage, and maintain natural stream geomorphology when replacing culverts or design of new culverts or bridge crossings		
Comments including listing increased maintenance in priority areas:			

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 checked="" type="checkbox"/>	Our corporation yard is a filed NOI facility and regulated by the California State Industrial Stormwater NPDES General Permit		
<input checked="" type="checkbox"/>	We have a 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: The City owns one corporation yard. City Public Works Staff self inspect the Corporation Yard.			
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

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:

1. On November 15, 2005 the City Council of the City of Pittsburg adopted Ordinance 04-1228, which amended the City's municipal Code relating to Stormwater Management and Discharge control. The purpose of the amended ordinance was to address the February 2003 amendment to the municipal NPDES permit, under which the City of Pittsburg operates. The updated ordinance specifically requires applicants of new development projects to prepare a stormwater control plan that meets the criteria established by the Contra Costa Clean Water program's C.3 Guidebook. Adoption of this ordinance ensures the City has adequate legal authority to implement the Contra Costa approach to implementing C.3 requirements.
2. The Planning Department requires that C.3 submittals be included in the project application. City Planning and Engineering Staff discuss C.3 requirements with applicants at the onset of the Planning process for all projects. Applications are not deemed complete unless a stormwater control plan or calculation is submitted with their Planning Application. The Engineering Department provides conditions of approvals for C.3 compliance when entitlements are sought for a project.

In addition, when our yearly Capital Improvement Project list is finalized, Engineering staff review the project list and identify those which, would be subject to C.3 compliance and include those improvements in design contracts.

3. Reviews of environmental documentation occur as collaborative efforts between the Planning and Engineering Departments of the City. Both departments meet regularly to discuss issues with upcoming projects, and to address potential issues regarding stormwater quantity and quality impacts to the City's existing stormwater conveyance system, during the very early stages of a project. Compliance with C.3 has become one of the standard items both departments look to see that are addressed in EIR's and during the CEQA process. Staff checks that the project will mitigate for impacts to the existing stormwater conveyance system, and provide comments to that effect.
4. Staff attends the C.3 training seminars that are hosted by the Contra Costa Clean Water Program. C.3 training with Planning and Engineering Staff include identifying C.3 applicability to a project, incorporation of LID measures, and submittals required for both the plan review and construction phase. Training staff for C.3 plan review is an ongoing process. Staff usually relies on the training that the Contra Costa Clean Water Program offers as the primary source of education for use of the IMP calculator, and LID construction specifications. Additionally, informal one on one discussions/training with Planning and Engineering Staff occur during the preliminary stages of CIP project planning and design and during joint plan reviews.

Outreach and education about C.3 requirements to private developers occurs at first consultation with the Planning Department at the front counter. The standard City Planning Review Application form requires applicants to address C.3 requirements by requiring the

applicant to provide specific information such as the amount of impervious surface to be created. If C.3 is applicable, and if warranted, staff will meet with the applicants individually to discuss the design options and feasibility of incorporating treatment facilities into the site design. Additionally, staff refers applicants to the Contra Costa Clean Water Program's C.3 Guidebook and website for specific design guidance. The City also invites its design consultants to C.3 training seminars offered by the Clean Water Program.

5. During construction City inspectors observe the construction of treatment facilities and educate contractors on construction specifications and standards for the treatment facilities such as proper placement of biofiltration soil, appropriate mix media soil, drainage rock gradation, appropriate structure grades, etc.

6&7. Applications for unregulated projects submitted for Planning Review are routed to all City Departments for review and comment. The Engineering Department prepares conditions of approval requiring that applicants to incorporate long-term best management practices limiting pollutant generation, discharge, and runoff. Typical conditions addressing site design and source control measures include:

- Incorporating landscaping that minimizes irrigation and runoff, promotes surface infiltration where possible, minimizes the use of pesticides and fertilizers, and incorporates appropriate sustainable landscaping practices
- Providing covered trash, food waste, and compactor enclosures
- Use pavers for walkways and other appropriate hardscape surfaces as an option to buyers to minimize impervious areas.
- Minimizing the amount of directly connected impervious surface area.
- Stencil all storm drains with "No Dumping, Drains to Delta" permanent markings
- Constructing concrete driveway weakened plane joints at angles to assist in directing run-off to landscaped/pervious areas prior to entering the street curb and gutter
- Plumbing of the following discharges to the sanitary sewer, subject to Delta Diablo Sanitation District's authority and standards:
 - Discharges from indoor floor mat/equipment/hood filter wash racks or covered outdoor wash racks for restaurant
 - Dumpster drips from covered trash and food compactor enclosures
 - Discharges from outdoor covered wash areas for vehicles, equipment, and accessories

When plans are submitted for permitting, both Engineering and Planning Departments review the plans and provide guidance to the applicant to achieve compliance with their conditions of approval.

- 8. No General Plan revisions are required.

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:
The City of Pittsburg has no current or planned Green Streets projects.

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

Fill in attached table **C.3.b.v.(1)** or attach your own table including the same information.

C.3.c. Low Impact Development Reporting

City Staff participated on the Contra Costa Clean Water Program's Development Committee during this reporting year.

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

<p>(1) Fill in attached table C.3.h.iv.(1) or attach your own table including the same information. See attached table.</p>
<p>(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.</p> <p>Summary: City staff inspects installed stormwater treatment facilities under the inspection program. There have been no issues found with the bioretention areas; all areas were found to be well maintained. Surface cover seems to be the only issue- where bark covering needed to be replenished. The only devices that were problematic to inspect were the underground sand filters (11 boxes total) that were located in the garage and sidewalk area of one of the downtown projects. One manhole lid each was provided for each box, however, given the size of these units, visibility of the entire box was impossible. Additional inspection holes were drilled to provide more visibility within the box; while these have aided somewhat, visibility is still impaired. If the City were to approve any such devices in the future, visibility for inspection will be a definite consideration. While the overall lids to these units are removable, they are constructed of concrete, weighing several thousand pounds, and require the use of heavy equipment , and parking closure making inspection a very involved effort.</p>
<p>(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).</p> <p>Summary: Our Operations and Maintenance Program could be more effective by keeping a better database system of inspections completed by individual property owners in addition to the inspections conducted by City Staff. The City currently has no copies of self-inspected reports from private projects; maintenance of public projects is tracked by the Public Works Department, and inspections are tracked by the Engineering Department. A list of constructed projects, and projects scheduled for future inspections is maintained by the Engineering Department.</p>

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 (Acres)	Total Area of Land Disturbed (Acres)	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											
Community Estates	Southeastern corner of Harbor Street and School Street	George Harris	Not applicable	52 Unit Senior Housing Complex	New York Slough	7.2 acres	7.2 acres	176,425	176,425	304,920	176,425
Riverside Continuation High School	1151 Stoneman Avenue	Pittsburg Unified School District	One	Construction of a new 30,000 sf building on the former Central Junior High School campus.	Kirker Creek	21.8 acres	4.9 acres	170,846	170,846	98,354	170,846
Public Projects											
None approved this FY											

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 (Acres)	Total Area of Land Disturbed (Acres)	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)
<p>Comments: The second phase of the improvements on the former Central Junior High School Campus included construction of an administrative building, and was originally supposed to commence the year after completing the Riverside Continuation High School, however, as of the date of this report the project has been postponed indefinitely pending the receipt of grant funds from the State. The bioretention basin was sized and designed to accommodate the flows from both projects.</p>											

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										
Community Estates	September 29, 2010	Final discretionary approval date is pending. Developer is out of funds to continue the project at this time.	Developer has not obtained entitlements. Preliminary C.3 plans showed roof drains disconnected from main conveyance system, and directed to landscaped patches between the duplexes. Water efficient	Plans were not finalized, but preliminary design incorporated minimal hardscape, sidewalk on one side of the street, and a detention/retention basins.	Bioretention facility centralized to the facility.	The owner/ applicant would maintain maintenance responsibility, as these units were intended for lease.	1a	Not applicable	Not applicable	HM control is not required because the post project impervious surface does not exceed the pre-project condition, and also the stormwater conveyance system that receives water from this site is tidally influenced.

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}
			landscaping and storm drain stenciling would be sample conditions of approval if the project moves forward.							
Riverside Continuation High School	5/11/11	7/12/11	The project drainage from the new proposed buildings will be collected and routed to the proposed bioswale for treatment prior to discharge into Kirker Creek, instead of connecting directly into the conveyance system that drains into the creek.	The project will utilize a majority of the existing paved surfaces instead of creating more impervious surfaces for walkways and driveways.	One Bioretention Facility	Pittsburg Unified School District	1a	Not applicable	Not applicable	The Contra Costa Sizing Calculator was used to design the size of the bioretention facility.

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}
Comments:										

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										
There are no Public Projects approved during this fiscal year reporting period.										
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.h.iv. ► Installed Stormwater Treatment Systems Operation and Maintenance Verification Inspection Program Reporting

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

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
Old Town Plaza	500 Railroad Avenue	yes	City of Pittsburgh	6/21/2011	45-day	Permeable pavers and bioretention planters	Proper installation	None required.	
Marina Commercial Center	47 Marina Boulevard	no	City of Pittsburgh	12/17/10	routine	Biofiltration planters	Planter areas have been properly maintained. Drains were free of debris.	None required.	
Faith Worship Center	579 Garcia Avenue	no	Faith Worship Ministries, Inc.	12/17/10	routine	Biofiltration planters	Planter areas have been properly maintained. No standing water. Drains are free of debris.	None Required.	
Vidrio	700 Railroad Avenue	no	City of Pittsburgh	5/26/2011	routine	In-ground sand filter boxes	Filter boxes were free of debris; no standing water.	None Required	The filter boxes were problematic to inspect because visibility is limited. However, there were no odors present, from what I could see, there was no trash inside the vaults, only some leaves and feathers.

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, 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.

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

Program Highlights

Provide background information, highlights, trends, etc.

- 1) This fiscal year the City of Pittsburg's Industrial and Commercial Business Inspection Plan was updated to reflect the changes mandated by the current MRP. In addition, the City's database continues to be updated to reflect newly constructed businesses and businesses with a new use, and businesses that are no longer in existence. This database is cross referenced with the City's main Business License database, which is maintained by our Finance Department. The City of Pittsburg contracts with Delta Diablo Sanitation District to conduct commercial and industrial inspections on behalf of the City.
- 2) At the beginning of each fiscal year, City staff discuss with the Delta Diablo Sanitation District inspector, which businesses have recently been added, and which businesses the City prioritizes for inspection within the fiscal year. In addition, the City of Pittsburg has requested call out inspections for suspicious sites, and has received inspection reports detailing their findings.
- 3) Training for the Delta Diablo inspectors was provided by the Contra Costa Clean Water Program staff.
- 4) City staff participated on the Contra Costa Clean Water Program's Municipal Operations Committee during this reporting year.

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.

See the attached current list of potential facilities on the Main Database worksheet.

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.

See the facilities identified for inspection on the Main Database worksheet.

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.

<input checked="" type="checkbox"/>	Permittee reports multiple violations on a site as one violation.
<input type="checkbox"/>	Permittee reports the total number of discrete violations on each site.

	Number	Percent
Number of businesses inspected (if known)	55	
Total number of inspections conducted	55	
Number of violations (excluding verbal warnings)	0	
Sites inspected in violation	0	0
Violations ³⁷ resolved within 10 working days or otherwise deemed resolved in a longer but still timely manner	0	0

Comments:
 There were no sites found to be in violation during this reporting year.

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)	0
Potential discharge and other	0

Comments:
 There were no observed violations during this reporting year.

³⁷ 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.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) ³⁸	Number of Enforcement Actions Taken	% of Enforcement Actions Taken³⁹
Level 1		0	0
Level 2		0	0
Level 3		0	0
Level 4		0	0
Total		0	0

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 Category⁴⁰	Number of Actual Discharge Violations	Number of Potential Discharge Violations
Not applicable this fiscal year	0	0

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.

³⁸ Agencies to list specific enforcement actions as defined in their ERPs.

³⁹ Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.

⁴⁰ 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
CWP Priority Pollutant Workshop	7/22/10	<ul style="list-style-type: none"> • Priority Pollutant Identification and Control 	2	100
Commercial/Industrial Stormwater Inspection Training Workshop (Contra Costa County)	2/24/11	<ul style="list-style-type: none"> • Overview of Model Business Inspection Plan and Model Enforcement Response Plan. • Contra Costa Green Business Program • Sampling and Assessing NOI Facilities • Identifying Mercury, PCBs, and Copper in the Field • Stormwater Compliance and Case Studies • Sewer Overflows • Stormwater Compliance and Enforcement 	1	50
CWEA Pretreatment, Pollution Prevention, and Stormwater Annual Conference	2/28 -3/2/11	<ul style="list-style-type: none"> • Stormwater BMPs • Inspector training sessions • Outreach 	1	50

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

Program Highlights

Provide background information, highlights, trends, etc.

The City Public Works Department continues to inspect our storm drain collection system based on established priority "Zones" within the City that were the most problematic areas requiring more frequent maintenance. In addition, storm drain system inventory are video inspected as funds permit; as the City does not currently own its own video inspection camera equipment and has to contract out this service. Inspection and maintenance activities are tracked by means of a work order database maintained by the Public Works Department.

The City of Pittsburg was also a participant on the Clean Water Program's Municipal Operations sub- committee this reporting year. 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
See attached contact list.		

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:

In previous years the City Planning Staff regularly inspected the current holders of City of Pittsburg business licenses to ensure that the applicants are in compliance of their use permits and that the business is in compliant with the City Municipal Code. Unfortunately due to limited resources in the Development Services Department, the Planning staff is no longer available to devote specific time and effort into conducting these types of inspections. The responsibility for surveillance now rests with all City staff to monitor these types of businesses and any discharges during their course of work in the field, and conduct investigations when the City receives complaints from the Public. In addition, staff educates applicants of businesses that may require surface maintenance of their facility, such as parking structures, plazas, etc, that surface cleaning shall be done in accordance with BASMAA standards, and seek the services of BASMAA approved Mobile Surface Cleaners, and encourages applicants of home occupation permits to obtain their BASMAA certification for mobile surface cleaners.

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 Public Works Department has prioritized inspection of our collection system according to the most historically problematic areas of the City. These areas are divided into "Zones" with the most problematic areas receiving more frequent maintenance. In addition Staff has created priority lists for storm drain facilities needing structural repairs, facilities that need to be cleaned, and facilities to be video inspected. The most problematic issues found this fiscal year are missing grate bolts, and eroded concrete manhole bases. Inspection and maintenance activities are tracked by means of a work order database maintained by the Public Works Department.

See the attached summary of our collection system inspections.

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))	2	
Discharges reaching storm drains and/or receiving waters (C.5.f.iii.(2))	0	0
Discharges resolved in a timely manner (C.5.f.iii.(3))	2	100

Comments:
 The Public Works Department is usually dispatched for active illicit discharges, which aren't related to any construction projects, and which require clean up. The Public Works Department tracks all such call-outs on their work order database system. The Development Services Department is sent copies of the clean up and is assigned the follow up if warranted. For reported alleged discharges, calls are forwarded to the Development Services Department staff to investigate.

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

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

On August 11, 2010, there was an incident of illicit discharge, which involved greywater pumped from a residence at 254 Mariposa Drive, that was draining onto their yard, and began to trickle onto the City street. Public Works crew and a Code Enforcement Officer were dispatched to the site. The pump system was disconnected, no cleanup was required. No further discharge was observed.

On May 25, 2011, a Code Enforcement Officer responded to a complaint from a property owner that their neighbor at 2165 Rain Drop Circle was washing down oil spots on their driveway, and onto the street. Public Works crews vacuumed the discharge and back flushed the storm drain pipe. A verbal warning was given, no further discharges observed from the site.

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)
4	7	173
Comments:		

C.6.e.iii.1.d ▶ Construction Activities Storm Water Violations		
BMP Category	Number of Violations⁴¹	% of Total Violations⁴²
Erosion Control	2	7.4
Run-on and Run-off Control	4	14.8
Sediment Control	17	63
Active Treatment Systems	0	0
Good Site Management	4	14.8
Non Stormwater Management	0	0
Total	27	100%

⁴¹ Count one violation in a category for each site and inspection regardless of how many violations/problems occurred in the BMP category.

⁴² 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) ⁴³	Number Enforcement Actions Taken	% Enforcement Actions Taken ⁴⁴
Level 1	Verbal and written "Notices of Correction"	27	100
Level 2	n/a	0	0
Level 3	n/a	0	0
Level 4	n/a	0	0
Total		27	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)	2
Number of sites with discharges, actual and those inferred through evidence (C.6.e.iii.1.g)	2

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)	27	100%
Violations not fully corrected within 30 days after violations are discovered (C.6.e.iii.1.i)	0	% ⁴⁵
Total number of violations for the reporting year⁴⁶	27	100%
Comments:		

⁴³ Agencies should list the specific enforcement actions as defined in their ERPs.

⁴⁴ Percentage calculated as number of each type of enforcement action divided by the total number of enforcement actions.

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 data obtained for this fiscal year showed that the most violations occurred in the areas of Sediment Control, then Run-On and Run-Off Control and Good Site Management. Contractors are still providing the most minimal means of protecting their construction sites, using the most basic BMP to protect the public streets by installing one or two BMPs rather than installing treatment "trains". Wattles are installed at the beginning of a project and not maintained when vehicles have run over it and it has become ineffective. Storm drain inlet bags are not regularly maintained for silt build up. Inadequate rain day protection for soil or material piles.

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:

- 1) This fiscal year, City staff used the revised reporting Construction Inspection Form created by the Clean Water Program.
- 2) On September 10, 2010, City inspection staff was trained on how to fill out the new Construction Inspection Form and how to implement enforcement for compliance in accordance with the Enforcement Response Plan.
- 3) City staff used the new forms and reported their inspection findings on the new form.
- 4) City Staff participated in the countywide program's New Development and Construction Committee.
Refer to the C.6 Construction Site Control section of countywide program's FY 10-11 Annual Report for a description of activities at the countywide or regional level.

C.6.f ▶ Staff Training Summary				
Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance	Percent of Inspectors in Attendance
Training to Become a Qualified SWPPP Developer (QSD)	February 28 – March 2, 2011	<ul style="list-style-type: none"> • Training Overview and Regulations • Erosion Processes and Sediment Control • SWPPP Implementation • Monitoring • Reporting • Project Planning and Site Assessment • SWPPP Development and PRDs • Project Closeout 		
Training to Become a Qualified SWPPP Practitioner (QSP)	February 28 – March 1, 2011	<ul style="list-style-type: none"> • Training Overview and Regulations • Erosion Processes and Sediment Control • SWPPP Implementation • Monitoring • Reporting 		

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:

The City participated in the regional campaign (See the Fiscal Year 2010/11 Group Program Annual Report, Section C.7, for a summary of the Trash Campaign conducted by the Program on our behalf.) and on a local level. The City created “anti-litter” banners to place in the parks and worked with all the Life Science 7th grade students at Hillview Junior High School on a plastic bag ban pledge.

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:

X	Survey report attached. See the Fiscal Year 2010/11 Group Program Annual Report, Section C.7, for a report summarizing the Pre-Campaign Trash Survey conducted by the Program on our behalf.
<input type="checkbox"/>	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:

Regional: A separate report developed by BASMAA summarizes a media relations effort conducted during FY 2010-2011. See BASMAA Media Relation Final Report. Other media relation efforts are noted in the countywide report and include in the C.7 PIO section of the Programs FY 2010-

2011 Annual Report.

Local: Website announcements, reader board posts, and e-news blasts were conducted to promote City Creek clean up. Water bill inserts were also mailed to 17,000 households. An Eco Pledge was created and posted at the local book store to promote native plants, IPM and re-usable bags. Light pole banners (8' type) are changed out throughout the year promoting a litter free city, not trashing storm drains with litter, leaves, oil and runoff, and promoting the existence of the Delta at the local storm drain.

C.7.d ► Stormwater Point of Contact

Summary of Any Changes Made during FY 10-11:

No Change. The main point of contact for the City of Pittsburg program is:

Jolan Longway; 925-252-4803; jlongway@ci.pittsburg.ca.us

The City of Pittsburg has this information posted on its storm water website at well as part of the reporting procedures within the City.

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., Enviroscope presentation, pesticides, stormwater awareness)	Provide general staff feedback on the event (e.g., success at reaching a broad spectrum of the community, well attended, good opportunity to talk to gardeners etc.). Provide other details such as: <ul style="list-style-type: none"> • 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

<p>Countywide: Live Nation Anti-Litter Campaign, August 2010, Concord Pavilion</p>	<p>The message "Litter Travels But It Can Stop with You" was broadcast using a variety of means to concert goers. A booth with outreach information and education was provided where residents were encouraged to sign-up and participate in a creek clean-up event.</p>	<p>See the Fiscal Year 2010/11 Group Program Annual Report, Section C.7, for further details regarding the effectiveness of this event.</p>
<p>Local (&countywide): The City of Pittsburg sponsored the Bringing Back the Natives Garden Tour at the \$1,000 level. The Tour took place on Sunday, May 1, 2011. The Tour showcases 49 gardens in Alameda and Contra Costa counties. Pittsburg had 2 gardens participate in the event.</p>	<p>The Bringing Back the Natives Garden Tour is a free, self-guided event that showcases pesticide-free, water conserving gardens that provide habitat for wildlife and contain 50% or more native plants. This spring the Tour was honored with DPR's IPM Innovator award for Education and Outreach.</p>	<ul style="list-style-type: none"> • 49 gardens were showcased on the Tour • 2 gardens in Pittsburg • 60 talks and demonstrations were given • 182 volunteers made the tour possible • 7,041 registrants (an increase of 9%) • 20 Pittsburg residents registered • \$11,000 worth of natives sold through the Native Plant Sale Extravaganza • 19,741 garden visits were made • 400,000+ page requests made on the garden tour website in the last year <p>98% of those filling out the evaluations rated the tour "Excellent" or "Very Good." This year 58% of the registrants were repeat visitors, and 42% were attending the tour for the first time.</p>
<p>Local: The City of Pittsburg hosted a new festival event; "Green Footprint Festival". The event took place on June 16, 2011, at the City's children's park (Small World Park), the day after school was finished. It hosted the "green" theme with information from solar to composting to recycling and litter reduction.</p>	<p>The festival was for families. The park is a closed park and families do pay an entrance fee which was discounted for the festival. The event hosted a variety of vendors which were asked to have a kid friendly activity. The City's booth supported watershed activities with a prize wheel asking questions about composting and stormwater. East Bay Regional Parks had information about composting and native plants. Kids for the Bay participated using a watershed model to explain to parent and kids how pollution moved within a watershed. There were 19 vendors present.</p>	<p>Best year ever!! Over 535 people attended. There was an activities book to visit each booth and there were lines all day of patient people (kids & adults) listening and learning about each subject at the booth. There were many compliments from the participants and vendors – all wanting to return next year. Many felt the venue was of value. Parents with kids listening and having them absorb the experience.</p>
<p>Local: The GREAT Pittsburg Cleanup. This creek clean up is hosted each year in the Spring in</p>	<p>This is a creek cleanup event. Students and adults form the community (schools and</p>	<p>Great group of motivated volunteers. We had 38 volunteers and they collected over 3.5 yards</p>

<p>conjunction with the national and statewide Keep America and California Clean program which runs March through May.</p>	<p>businesses) volunteer for a few hours to clean portions of the creek system. The event was promoted to church groups, businesses, via water bill inserts and the City's e-news and website. The event was April 9th, at Buchanan Park.</p>	<p>of trash and close to 2 yards of recyclables. Although this part of the creek is cleaned often, it is always amazing to see how much material is retrieved each time. The volunteers asked many questions about the reasoning for the dumping. Good dialog.</p>
<p>Local: Marina Clean Green Boating - Continued</p>	<p>The Marina continues to education boaters about not spilling fuel and oil on the water. They provide spill pads and fuel donuts to prevent spills on the Delta.</p>	<p>The Marina hands out spill pads continually as well as has a facility to accept oil, oil filters and batteries from tenants. The Marina hands out Clean and Green boating bags as well as other materials after the individual signs a pledge card.</p>
<p>Local: Anti-Litter Banners posted in local parks.</p>	<p>The City created banners to be posted at the entrances of four local athletic fields that are used by various adult and youth soccer and baseball leagues. The banners states "Please respect our local parks by picking up your trash." It also has the slogan Litter Travel but can Stop with you. The banners are English/Spanish and the City is placing additional trash units.</p>	<p>The banners were placed in late May. The City is evaluating the level of trash left in the parks after the placement of the banners. They banners have only been up one month but City staff servicing the parks state the level of trash is less and there is discussion of ordering more banners.</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:

Regional and countywide efforts noted in the Clean Water Program's Annual Report, section c7, on the various activities and participation in the CC Watershed Stewardship Collaborative Forum.

Local: The City of Pittsburg is a contributing member of the California Product Stewardship Council.

Local: The Partners for the Watershed is a group government, academic, and industry members that implement education and stewardship

activities within the Kirker Creek Watershed. The Kirker Creek Watershed Management Plan, a community based document published in 2004, identifies a series of projects and programs that promote project-based watershed education and community stewardship activities within the watershed. Partners for the Watershed has been integral in the implementation of these activities. The Partners meet regularly to work on projects and activities within the watershed such as creek clean ups, monitoring and education programs.

The Delta Waters Education Tours is an opportunity to educate students on: the history of the Delta; the geography of the Delta within the California water system; what a watershed is; perform water quality testing; sample and inspect species and understand their role in the food chain; learn about native and non-native species and plants; and learn about the human impact on the environment (pollution, trash, etc). See attached outline. The uniqueness of this program is the ability to have the 3 hour classroom out on the Delta providing local students an opportunity to experience the Delta since many students have never seen or been to this body of water. The program is presently being created to meet 4th grade state curriculum guidelines and once the program is operating successfully, it is the Partners intentions to modify it for high school and college students. Additionally, it is the intent to use local high school and college students as assistants and mentors with the scientist at the various activity stations since it has been demonstrated that younger students enjoy working and learning from these individuals.

The small venue allows for a more intimate hand-on education experience. The program sponsored 4 classrooms last year enriching 126 students with the issues and beauty of the Delta.

Partners for the Watershed continues to meet monthly to coordinate the Delta Waters Education Tours as well as other clean up and education efforts.

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
Volunteer Creek Monitoring Program, Spring 2011, Alhambra, Walnut, Kirker, Marsh, Mount	The Program's Volunteer Creek Monitoring Program involves interested citizens and creek	See the Program's Fiscal Year 2010/11 Group Program Annual Report, Section C.8, for

Diablo, Pinole and San Pablo Creeks.	advocates to assist with creek bioassessment monitoring.	further details.
Local: The GREAT Pittsburg Cleanup. This creek clean up is hosted each year in the Spring in conjunction with the national and statewide Keep America and California Clean program which runs March through May.	This is a creek cleanup event. Students and adults from the community (schools and businesses) volunteer for a few hours to clean portions of the creek system. The event was promoted to church groups, businesses, via water bill inserts and the City's e-news and website. The event was April 9 th , at Buchanan Park.	Great group of motivated volunteers. We had 38 volunteers and they collected over 3.5 yards of trash and close to 2 yards of recyclables. Although this part of the creek is cleaned often, it is always amazing to see how much material is retrieved each time. The volunteers asked many questions about the reasoning for the dumping. Good dialog.
Local: Watershed Monitoring – Los Medanos College Chem Lab Students (Volunteer Creek Monitoring Program, Spring 2011, Alhambra, Walnut, Kirker, Marsh,)	A professor at the local college has his Chem Lab students participate in local watershed events. One event in particular is the water quality monitoring with the County Watershed Coordinator – Michelle Luebke.	Each year they work on various projects required or needed in the local watershed. They will do standard test with equipment from the college (pH, turbidity, etc.) as well as the macroinvertebrate monitoring. See the Program's Fiscal Year 2010/11 Group Program Annual Report, Section C.8, for further details.
Local: Adopt-a-Spot Program	The City continued the local Adopt-a-Spot program as a program for the Neighborhood Improvement Team. It is a beautification effort with a strong anti-litter component, hand weeding areas, and cleaning storm drains or debris.	Presently the City continues to have 2 active groups that clean up litter along the road linear parks (preventing litter from going into storm drains) and one in large active park. The groups clean up the areas weekly. The City needs additional funding to expand the program. Budgeted for FY 2011/2012.
Local: Neighborhood Clean ups	The City held special clean ups for residents in the W. 10 th and West Boulevard neighborhoods.	The clean ups in these neighborhoods always generate volumes of material which would otherwise be illegally dumped. The W. 10 th street netted approximately 20 tons and the West Boulevard location 16 tons. It also allows for us to collect hazardous materials that would be disposed of illegally.

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.
Regional: Countywide efforts noted in Program's FY 10-11 Annual Report.	Regional support for Kids for the Bay, athlete and school age outreach by contractor, Mr. Funnelhead program and Newspapers in Education. See program report.	See Program Report	See Program Report
Kids For the Bay	Classroom and hands-on activities for students to learn about the local Watershed.	Two teachers and 50 third grade students.	A full summary report is included as an attachment of the student activities, their reports and the teacher's evaluations.
Newspapers in Education	The City provides continued separate support for Newspapers' in Education to ensure all classrooms requesting the program can participate.	The program reached 12 classrooms – approx 380 students.	The Contra Costa Times receives feedback from teachers. The City didn't get any specific letters this year; however, the program give a great overview of solid waste, recycling storm water, sewer, etc and is comprehensive. Past feedback from teachers has been very positive.
Delta Waters Education Tours	Continued a special hands-on education experience on the Delta. See description in section C.7.f.	There was funding for four classrooms this year. At total of 126 students (4 th grade) participated in the program along	Feedback from teachers and volunteers rated excellent. The workbook was modified slightly with the navigation station eliminated but this allowed more time for the other stations and hands-on learning activities. Students and teachers engaged and

		with 37 high school and college student volunteers.	interactive during sessions.
Local: Anti-litter and sustainable Lesson to all Life Science students at Hillview Jr. High School.	The City sponsored a school lesson at Hillview Jr. HS for all 7 th grade students about plastic and sustainability.	The City supplied 375 CCCWP Anti-Litter Chico Bags to the students and families after they complete a activity/pledge with their families.	The City received 369 pledge /activity forms back from the 7 th grade students and families.
Local: Anti-Litter Banners posted in local parks.	The City created banners to be posted at the entrances of four local athletic fields that are used by various adult and youth soccer and baseball leagues. The banners states "Please respect our local parks by picking up your trash." It also has the slogan Litter Travel but can Stop with you. The banners are English/Spanish and the City is placing additional trash units.	General public that use the fields.	The banners were placed in late May. The City is evaluating the level of trash left in the parks after the placement of the banners. They banners have only been up one month but City staff servicing the parks state the level of trash is less and there is discussion of ordering more banners.

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 and/or BASMAA's Regional Monitoring Report.

Section 9 – Provision C.9 Pesticides Toxicity Controls

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

(Water Board staff requested resubmittal for FY 10-11) Attach a copy of your individual IPM ordinance or policy.	x	Attached	<input type="checkbox"/>	Not attached , explain below
If Not attached , explain: The City Council formally adopted our IPM policy on July 18, 2011. See attached Resolution.				

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.

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					
Product or Pesticide Type A	0	0			
Product or Pesticide Type B	0	0			
Pyrethroids					
Product or Pesticide Type X	0	0			
Product or Pesticide Type Y	0	0			
Carbaryl	0	0			
Fipronil	0	0			

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.	10
Enter the number of these employees who received training on your IPM policy and IPM standard operating procedures within the last 3 years.	10
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.	100

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 checked="" type="checkbox"/>	Contract specifications that require adherence to your IPM policy and standard operating procedures, OR		
<input type="checkbox"/>	N/A Copy(ies) of the contractors' IPM certification(s) or equivalent, OR		
<input type="checkbox"/>	N/A Equivalent documentation.		
If Not attached , explain: The City has implemented a new IPM policy as of July 18, 2011. Attached is the new IPM policy and requirements for all pest service providers.			

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?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
If yes, provide a summary of improper pesticide usage reported to the County Agricultural Commissioner and follow-up actions taken to correct any violations. A separate report can be attached as your summary.				

C.9.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.	
<p>Summary:</p> <p>Regional: See C.9 Pesticides Toxicity Control section of the Programs FY 2010-2011 Report for information and point of purchase.</p> <p>Countywide effort and local support: Our Water Our World.</p> <p>Local Effort: Supported 'Bring Back the Natives" Tour to encourage residents to learn about native plants and other IPM practices presented during tour visits and in the tour guide.</p> <p>Local Effort: Created a display at the local bookstore promoting native plants and IPM practices (Our Water Our World material. In addition, we had the resident take and eco pledge to receive a reusable bag to discourage the use of plastic bags. The City has distributed 25 bags so far. Campaign was for month of June.</p>	

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.	
<p>Summary:</p> <p>Regional: See C.9 Pesticides Toxicity Control section of the Programs FY 2010-2011 Report for outreach to pest control operators and landscapers to reduce pesticide use.</p> <p>The City participates in a regional outreach to Pest Control Operators and encourages them to become green certified.</p>	

Section 10 - Provision C.10 Trash Load Reduction

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

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:

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.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 co-permittees.

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

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

Trash Hot Spot	Cleanup Date	Volume of Material Removed	Dominant Type of Trash	Trash Sources (where possible)
Conducted during FY 09-10				

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/Drop-off 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
			Trash loads removed" were not tracked for all trash load reduction actions this fiscal year. Once the Trash Load Reduction Tracking Method is developed (see Provision C.10.a.ii), trash loads removed will be documented for each load reduction action. See the Program's	

			FY10-11 Annual Report for schedule.	
Adopt-a-Spot	Sept 2008	2 local spots adopted	2 bags a week – linear park adoption 6-12 bags a day from City Park Adoption	Garbage, debris
Solid Waste Recycling Efforts	1990	Mandatory – Citywide	N/A	Solid waste - garbage
Curbside Recycling	Single Stream April 2009	Mandatory - Citywide	3,957 tons	Recyclables
Free Trash Pickup	June 1999 NOTE: Program Change for 2011. See On call Pick-up.	Twice a year in each neighborhood.	N/A	Large items illegally dumped (white goods, furniture, etc.)
On Call Bulky Trash Pick-up	February 2011	On-call – two free pickups allowed annually.	N/A	Large items illegally dumped (white goods, furniture, etc.)
Curbside Collection of Used Oil and Oil Filters, Household Batteries, CFLs, and Cell Phones.	February 2011	On-Call	N/ A	Used Oil and Oil Filters, Household Batteries, CFLs, and Cell Phones
Volunteer Clean up Days	Started 2001	Creek Clean ups <u>and</u> special neighborhood clean ups.	Varies depending on location & # of volunteers. 4-15 yards trash 2-7 yards of recyclables	Debris, trash, recyclables, large bulky items (tires, racks, furniture, shopping carts, etc)
County/City HHW Program	Permanent Facility April 3, 2003	City sponsors the local HHW facility at Delta Diablo Sanitation District.	Last Year FY 09-10, East County collected 1,035, 942.7 Lbs of waste. Pittsburg's portion is 23%.	Paint, oil, household chemicals, batteries, aerosol cans, electronics, fluorescent tubes, etc.

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).

Local: The local HHW facility and the cities have been promoting the collection of mercury devices and fluorescent tubes and CFL. We have been working with the local communities with outreach to HVAC operators and auto repair businesses about bringing the mercury switches and other devices to the HHW facility. In addition, the promotion of fluorescent tube/CFL and thermometer collection has also been active with residents and businesses. In 2009/10, the facility collected 49 lbs of devices and 9,331 lbs of tubes. In 2010/11, the facility collected 91 lbs of devices and 15, 862 lbs of tubes. Pittsburg's porting is approx. 19 lbs and 3,394 lbs respectively.

Refer to FY 10-11 Program Annual Report for a list of mercury collection and recycling efforts conducted countywide and regionally.

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 permittee and/or Program Annual Reports.

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 and/or regionally, and report on any local training efforts, if applicable.

- 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

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

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
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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

There were no facilities to highlight for copper reduction during this reporting year.

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

Revised. Description reads "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 the countywide Program and/or 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/or 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

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

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?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	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:				

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 promoted water conservation, use of appropriate watering/irrigation practices by adoption of a City Ordinance. In response to Assembly Bill 1881, which mandates water conservation measures for new and rehabilitated landscapes in California, the City Council of the City of Pittsburg adopted provisions from the Regional Landscape Water Conservation Ordinance, amending the City's existing municipal code, Chapter 18.84, Article VII, Landscaping, Irrigation, and Hydroseeding in order to incorporate water efficient landscaping standards and requirements. The municipal code requires that applicants requesting zoning approvals for any residential or commercial project installing new landscaping or rehabilitating 2,500sf or more, submit a landscape project application package prior to commencement of grading. In the application package, the applicant is required to provide water efficient landscape design controllers that utilize daily weather stations, and incorporate design features which minimize runoff from low head drainage, overspray, or other water waste. In addition, applicants are required to provide calculations for their Estimated Total Water Use (ETWU) and Maximum Applied Water Allowance (MAWA).

The City provided outreach for less toxic pest control and landscape outreach by participating in a regional outreach to Pest Control Operators and encourages them to be Green Certified. In addition, the City held a Green Footprint Festival with vendors that provided information and activities for children and parents educating them about alternative methods of pest control, such as beneficial insects, and preventative measures to deter nuisance pests.

Enforcement for landscape irrigation runoff has been monitored by City personnel in the course of their daily duties in the field. In accordance with the Enforcement Response Plan, staff has exercised Level 1 Enforcement by verbally notifying discharges to correct and comply. There have been no instances this reporting period, where Level 2 enforcement was warranted.

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 (military time)	Estimated Volume (gallons)	Estimated Flow Rate (gallons/day)	Chlorine Residual (mg/L)	pH (standard units)	Discharge Turbidity ⁴⁹ (NTU)	Implemented BMPs & Corrective Actions
See attached lists.	All planned discharges were routine fire hydrant flushes.	Receiving water bodies are Willow and Kirker Creeks.	See the attached lists.	See attached lists.	See attached lists.	See attached lists.	See attached lists.	See attached lists.	See attached lists.	BMPs included dechlorination and reduction in flows in order to effectively dechlorinate the discharge.

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

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
There were none to report this fiscal year.														

Comments:
 Additional City Comments regarding the 2010-2011 NPDES Annual Report responses

C.5.d.iii: The City currently does not have a formal surveillance process for Mobile Businesses. This coming fiscal year we will attempt to revise the process by which these types of businesses renew their annual business licenses. Staff intends to make these types of applicants provide the City with a record of how and where they discharge their wastes, and have them provide these records as a requirement to be met in order to renew their business license.

C.9.c : The City's Integrated Pest Management Program has been updated to be more responsive to address Water Board's comments on the FY 2009 2010 Annual Report. One of the areas of the City's IPM which the City needs attention is with regard to training. This reporting year there was no City staff other than our City Certified Qualified Applicator that received training in structural IPM practices, however, the IPM Coordinator is working on integrating training for structural IPM for applicable Public Works Staff this fiscal year.

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.

BUSINESS NAME	ADDRESS	OPERATOR INFORMATION	CONTACT INFORMATION	SIC CODE	DESCRIPTION	INSPECTION FREQUENCY BY BUSINESS TYPE					INSPECTION DATES							
						ANNUAL	1-2 YRS	2-3 YRS	5 YRS	FY 09/10	INSPECTION TYPE	FY 10/11	INSPECTION TYPE	FY 11/12	INSPECTION TYPE	FY 12/13	INSPECTION TYPE	FY 13/14
NOTICE OF INTENT (NOI) FILERS																		
1 ANGELICA HEALTHCARE (LAUNDROMAT)	701 Willow Pass Road	BEARDSLEY, TERESA L	701 WILLOW PASS RD	7213	Linen Supply			x				3/10/2011	REINSPECTED					
2 DELTA ENERGY CENTER	1090 Arcy Lane	GERMAN, CHRIS	1200 ARCY LN	4911	Electric Services			x		4/29/2010	REINSPECTION							
3 DOW CHEMICAL COMPANY	901 Loveridge Road	THE DOW CHEMICAL COMPANY	901 LOVERIDGE RD	2899	Chemicals and Chemical Preparation	x								X				
4 GENON DELTA, LLC	696 W 10TH ST	CHILLEMI, JOHN	PO BOX 192 PITTSBURG	4911	Electric Services	x								X				
5 GWF POWER SITE -1	895 East Third St	WILLIAMS, MIKE	1600 LOVERIDGE RD	4939	Combination Utilities, NEC		x					3/30/2011	REINSPECTED					
6 GWF POWER SITE 2	1600 Loveridge Road	WILLIAMS, MIKE	1600 LOVERIDGE RD	4939	Combination Utilities, NEC		x					3/30/2011	REINSPECTED					
7 GWF POWER SITE 5	555 Nichols Road	WILLIAMS, MIKE	1600 LOVERIDGE RD	4939	Combination Utilities, NEC		x											
8 HASA, INC.	1251 Loveridge Road	WILSON, MARK. S.	1251 LOVERIDGE RD	2899	Chemicals and Chemical Preparation	x												
9 KOCH CARBON	707 E 3rd St.	KOERPERICH, EDWIN	707 E 3RD ST	5085	Industrial Supplies	x						9/8/2010	REINSPECTED					
10 LOS MEDANOS ENERGY CENTER	750 E 3RD Street	GERMAN, CHRIS	1200 ARCY LN	9611	Administration of General Econ		x			4/29/2010	REINSPECTION							
11 MT. DIABLO RECYCLING CENTER	1300 Loveridge Road		1300 LOVERIDGE RD			x				6/10/2010								
12 PRAXAIR, INC.	2000 Loveridge Road	BECKER, STUART A. - PLANT MA	2000 LOVERIDGE RD	2899	Chemicals and Chemical Preparation	x						9/1/2010	REINSPECTED					
13 TOTAL ELECTRIC	347 SADDLEHORN DR	TUGBENY, PAUL	347 SADDLEHORN DR	4911	Electric Services				x									
14 TRENCH PLATE RENTAL	530 GARCIA AVE	HUGGANS, AL	420 CLEARWOOD DR OAKLEY 94561	7353	Heavy Construction Equipment R			x										
15 USS-POSCO INDUSTRIES	900 LOVERIDGE RD	SMITH, ROBERT	900 LOVERIDGE RD	3312	Steel Works, Blast Furnaces (I		x											
AUTO DISMANTLERS																		
1 ALL BAY VEHICLE DONATION	1225 Loveridge Road	KNOX, ROBERT	5747 CHELTON DR					x										
2 EAST COUNTY TOW	1231 Loveridge Road	(S L EVANS, INC.), EVANS, STEPHEN L.	PO BOX 8305 PITTSBURG	7549	Automotive Services, Except Re			x										
3 FLORES FOREIGN AND DOMESTIC AUTO REPAIR	489 West 10th St	LOPEZ, PAULINO	489 W 10TH ST PITTSBURG	7538	General Automotive Repair Shop			x										
VEHICLE SERVICE FACILITIES (GENERAL) OIL CHANGE SHOPS, AUTO BODY SHOPS W/ OR W/O WASHPADS FLEET OPERATIONS RETAIL CAR WASHES																		
1 100% HARLEYS	999 Harbor Street	SLOAN, THERESA	2138 JEFFERSON WAY	7699	Repair Shops and Related Services			x						X				
2 A A TOWING SK INC.	1325 CALIFORNIA AVE B	IRSHAD, KAMRAN	23782 CONNECTICUT ST HAYWARD 94545	7549	Automotive Services			x										
3 AMIGO TEST ONLY SMOG	1698 N PARKSIDE DR	NAZARI, WALID A	39120 ARGONAUT WAY #71 FREMONT	7549	Automotive Services			x										
4 ANTIOCH ALLOY, INC. DBA PACIFIC R	941 GARCIA A	GOODRICH, GARY	5239 HUNSAKER CT ANTIOCH 94531	7550	Automotive Services			x										
5 AUTO SMOG & REPAIR STATION	1700 N PARKSIDE DR	NAZARI, MIKE	1420 OAK HAVEN WY ANTIOCH 94531	7549	Automotive Services			x										
6 ARCO AM/PM (CAR WASH)	1190 E. Leland Road	ABI-HABIB, RICHARD	1190 E LELAND RD	5541	Gasoline Service Stations			x						X				
7 BAY AREA SMOG PROS	598 E 3RD ST	JASPER, JASON	2950 CLEARLAND CIR BAY POINT 94565	7549	Automotive Services			x										
8 BEN TOW	999 HARBOR ST C	FRANQUEZ, BENJAMIN	999 HARBOR ST C	7549	Automotive Services, Except Re			x										
9 BIG O TIRES #11	1500 N. Park Blvd	TUCKER, RONALD E.	1500 N PARK BLVD	5531	Auto and Home Supply Stores			x				2/1/2011	REINSPECTED					

	BUSINESS NAME	ADDRESS	OPERATOR INFORMATION	CONTACT INFORMATION	SIC CODE	DESCRIPTION	INSPECTION FREQUENCY BY BUSINESS TYPE					INSPECTION DATES						
							ANNUAL	1-2 YRS	2-3 YRS	5 YRS	FY 09/10	INSPECTION TYPE	FY 10/11	INSPECTION TYPE	FY 11/12	INSPECTION TYPE	FY 12/13	INSPECTION TYPE
NOTICE OF INTENT (NOI) FILERS																		
78	M M ICE CREAM	2250 FREED WAY C	RATTU, RASHPAL	579 SILVER SADDLE DR PITTSBURG	2024	Ice Cream and Frozen Desserts			x									
79	NANA'S PLACE	51 MARINA BLVD A	VALLERO, SHERI	12 TIFFANY DR	5812	Eating and Drinking Places			x						X			
80	NATIONS GIANT HAMBURGERS #12	3789 RAILROAD AVE	CURIEL, AGGIE	11090 SAN PABLO AVE EL CERRITO 94530	5812	Eating and Drinking Places			x			2/22/2011	REINSPECTED	X				
81	NEW MECA RESTAURANT	324 Railroad Avenue	MUNIZ, GUILLERMO	32 CARROLL DR PITTSBURG	5812	Eating and Drinking Places			x			2/23/2011	REINSPECTED					
82	OLD TOWN BAKER & PIRATES COVE YOGURT SHOP	755& 766 Railroad Ave	MAAMARI, NICOLAS	103 GOLD RUSH CT CLAYTON 94517	5812	Eating and Drinking Places			x			9/8/2010						
83	OLIVE GARDEN #1341	4195 Century Blvd	N AND D RESTAURANTS INC	1000 DARDEN CENTER DR ORLANDO FL 32837	5812	Eating and Drinking Places			x									
84	ORIENTAL FOOD & GIFT MART	155 Atlantic Avenue	RAMIN, ELY	5305 VISTA POINT CT CONCORD 94521	5411	Grocery Store			x									
85	OUTBACK STEAKHOUSE	4350 Century Blvd	STEAKHOUSE LP, PITTSBURG	4350 CENTURY BLVD	5812	Eating and Drinking Places			x			3/7/2011	REINSPECTED					
86	PALACE OF FINE FOODS	675 Railroad Avenue	BOLOURCHI, ALI	676 CUMBERLAND ST	5499	Miscellaneous Food Stores			x									
87	PANDA EXPRESS	2120 Railroad Ave (100 A)	PANDA EXPRESS INC.	AVE ROSEMEAD 91770	5812	Eating and Drinking Places			x									
88	PAPA MURPHY'S PIZZA	1315 BUCHANAN ROAD B	KODWEIS, WILLIAM	965 LAKEVILLE ST PETALUMA 94952	5812	Eating and Drinking Places			x									
89	PARKSIDE MARKET	202 DAVI AVE	SALEH, ASKER	202 DAVI AVE	5411	Grocery Store			x					X				
90	PINEDA'S	673 CUMBERLAND ST	CAMARILLO, RONALD	673 CUMBERLAND ST	5813	Drinking Places (Alcoholic Bev			x					X				
91	PITTSBURG LIQUOR & DELI	2279 RAILROAD AVE	BINNING, CHARANJH S.	2279 RAILROAD AVE	5411	Grocery Store			x									
92	PIZZA GUYS	4001 RAILROAD AVE	(JMPG INC)PHAM, PHUC MINH	8180 STEVENSON AVE SACRAMENTO 95828	5812	Eating and Drinking Places			x									
93	PLAN B (A TASTE OF SOUL)	2227 Railroad Avenue	COLEMAN, EVELYN	4512 LOON CT ANTIOCH 94531	5812	Eating and Drinking Places			x		6/8/2010	INITIAL		X				
94	POPEYE'S CHICKEN & BISCUITS	1284 E. Leland Ave	HUI, ELLEN	PO BOX 1408 UNION CITY 94587	5812	Eating and Drinking Places			x		5/17/2010	REINSPECTION		X				
95	PRECIOUS AFRICAN FOOD STORE	3105 Railroad Avenue H	EGU, COLETH	3105 RAILROAD AVE	5499	Miscellaneous Food Stores			x									
96	PREMI EMPORIUM	3739 RAILROAD AVE	BALLEY, VINOD	3739 RAILROAD AVE	5411	Grocery Stores			x									
97	QUIZNOS #12279	1269 CALIFORNIA AVE	PROPST, ANTHONY T	287 RONDA CT PITTSBURG	5812	Eating and Drinking Places			x									
98	RALEY'S SUPERMARKET #335	1375 Buchanan Road	TEEL, MICHAEL J	1375 BUCHANAN RD	5411	Grocery Stores			x			3/8/2011	REINSPECTED					
99	RAMAR FOODS INTERNATIONAL (DAIRY PLANT)	1101 Railroad Avenue	QUESADA, PRIMO	1101 RAILROAD AVE	2011	DAIRY PACKING PLANT			x		5/24/2010	INITIAL						
100	RAMAR FOODS INTERNATIONAL (MEAT PACKING PLANT)	335 Central Avenue	QUESADA, PRIMO	335 Central Avenue	2011	Meat Packing Plants			x		5/24/2010	INITIAL						
101	RAMAR INTERNATIONAL FOODS	539 GARCIA AVENUE	QUESADA, PRIMO	539 GARCIA AVE							5/20/2010	REINSPECTION						
102	RED LOBSTER #653	4095 Century Blvd	N AND D RESTAURANTS INC	DR ORLANDO CA 32837	5812	Eating and Drinking Places			x									
103	RESTAURANTE MI SALVADOR/PUPUSERIA Y MARISCOS	2909 RAILROAD AVENUE	SANCHEZ, JORGE O	2026 HARBOR ST PITTSBURG 94565	5812	Eating and Drinking Places			x									
104	REYNITA RESTAURANT	745 RAILROAD AVENUE	ZEPEDA, REYNA	745 RAILROAD AVE	5812	Eating and Drinking Places			x		5/18/2010	REINSPECTION						
105	ROUND TABLE PIZZA	1331 Buchanan Road	ROUND TABLE DEVELOPEMENT COMPA	1320 WILLOW PASS RD 600 CONCORD 94520	5812	Eating and Drinking Places			x			2/23/2011	REINSPECTED					
106	ROUND TABLE PIZZA	408 Bailey Road	ROUND TABLE DEVELOPEMENT COMPA	1321 WILLOW PASS RD 600 CONCORD 94520	5812	Eating and Drinking Places			x									
107	SAFeway FOOD & DRUG #1215-10	660 Bailey Road	BURD, STEVE	4TH & JACKSON ST OAKLAND 99999	5411	Grocery Stores			x									
108	SMALL WORLD DELI & CAFÉ	1441 E Ieland Road	CULLEM, CHRISTINE	232 GOLF CLUB RD PITTSBURG	5812	Eating and Drinking Places			x									
109	STARBUCKS COFFEE #6914	1269 CALIFORNIA AVE	SMITH, ORIN	PO BOX 34067 SEATTLE WA 98124	5812	Eating and Drinking Places			x					X				
110	STEELTOWN COFFEE AND TEA	695 RAILROAD AVE	BADGER, ADRIAN	218 PEBBLE BEACH LOOP	5812	Eating and Drinking Places			x					X				

OPERATOR INFORMATION	CONTACT INFORMATION	SIC CODE	DESCRIPTION	INSPECTION FREQUENCY BY BUSINESS TYPE					INSPECTION DATES									
				ANNUAL	1-2 YRS	2-3 YRS	5 YRS	FY 09/10	INSPECTION TYPE	FY 10/11	INSPECTION TYPE	FY 11/12	INSPECTION TYPE	FY 12/13	INSPECTION TYPE	FY 13/14	INSPECTION TYPE	FY 14/15
E OF INTENT (NOI) FILERS																		
BEARDSLEY, TERESA L	701 WILLOW PASS RD	7213	Linen Supply			x					3/10/2011	REINSPECTED						
GERMAN, CHRIS	1200 ARCY LN	4911	Electric Services			x		4/29/2010	REINSPECTION									
THE DOW CHEMICAL COMPANY	901 LOVERIDGE RD	2899	Chemicals and Chemical Preparation	x									X					
CHILLEMI, JOHN	PO BOX 192 PITTSBURG	4911	Electric Services	x									X					
WILLIAMS, MIKE	1600 LOVERIDGE RD	4939	Combination Utilities, NEC		x						3/30/2011	REINSPECTED						
WILLIAMS, MIKE	1600 LOVERIDGE RD	4939	Combination Utilities, NEC		x						3/30/2011	REINSPECTED						
WILLIAMS, MIKE	1600 LOVERIDGE RD	4939	Combination Utilities, NEC		x													
WILSON, MARK. S.	1251 LOVERIDGE RD	2899	Chemicals and Chemical Preparation	x														
KOERPERICH, EDWIN	707 E 3RD ST	5085	Industrial Supplies	x							9/8/2010	REINSPECTED						
GERMAN, CHRIS	1200 ARCY LN	9611	Administration of General Econ		x			4/29/2010	REINSPECTION									
	1300 LOVERIDGE RD			x				6/10/2010										
BECKER, STUART A. - PLANT MA	2000 LOVERIDGE RD	2899	Chemicals and Chemical Preparation	x							9/1/2010	REINSPECTED						
TUGBENY, PAUL	347 SADDLEHORN DR	4911	Electric Services				x											
HUGGANS, AL	420 CLEARWOOD DR OAKLEY 94561	7353	Heavy Construction Equipment R			x												
SMITH, ROBERT	900 LOVERIDGE RD	3312	Steel Works, Blast Furnaces (I		x													
AUTO DISMANTLERS																		
KNOX, ROBERT	5747 CHELTON DR					x												
(S L EVANS, INC.), EVANS, STEPHEN L.	PO BOX 8305 PITTSBURG	7549	Automotive Services, Except Re			x												
LOPEZ, PAULINO	489 W 10TH ST PITTSBURG	7538	General Automotive Repair Shop			x												
AUTO BODY SHOPS W/ OR W/O WASHPADS FLEET OPERATIONS RETAIL CAR WASHES																		
SLOAN, THERESA	2138 JEFFERSON WAY	7699	Repair Shops and Related Services			x							X					
IRSHAD, KAMRAN	23782 CONNECTICUT ST HAYWARD 94545	7549	Automotive Services			x												
NAZARI, WALID A	39120 ARGONAUT WAY #71 FREMONT	7549	Automotive Services			x												
GOODRICH, GARY	5239 HUNSAKER CT ANTIOCH 94531	7550	Automotive Services			x												
NAZARI, MIKE	1420 OAK HAVEN WY ANTIOCH 94531	7549	Automotive Services			x												
ABI-HABIB, RICHARD	1190 E LELAND RD	5541	Gasoline Service Stations			x							X					
JASPER, JASON	2950 CLEARLAND CIR BAY POINT 94565	7549	Automotive Services			x												
FRANQUEZ, BENJAMIN	999 HARBOR ST C	7549	Automotive Services, Except Re			x												
TUCKER, RONALD E.	1500 N PARK BLVD	5531	Auto and Home Supply Stores			x					2/1/2011	REINSPECTED						

OPERATOR INFORMATION	CONTACT INFORMATION	SIC CODE	DESCRIPTION	INSPECTION FREQUENCY BY BUSINESS TYPE					INSPECTION DATES									
				ANNUAL	1-2 YRS	2-3 YRS	5 YRS	FY 09/10	INSPECTION TYPE	FY 10/11	INSPECTION TYPE	FY 11/12	INSPECTION TYPE	FY 12/13	INSPECTION TYPE	FY 13/14	INSPECTION TYPE	FY 14/15
E OF INTENT (NOI) FILERS																		
RATTU, RASHPAL	579 SILVER SADDLE DR PITTSBURG	2024	Ice Cream and Frozen Desserts			x												
VALLERO, SHERI	12 TIFFANY DR	5812	Eating and Drinking Places			x						X						
CURIEL, AGGIE	11090 SAN PABLO AVE EL CERRITO 94530	5812	Eating and Drinking Places			x				2/22/2011	REINSPECTED	X						
MUNIZ, GUILLERMO	32 CARROLL DR PITTSBURG	5812	Eating and Drinking Places			x				2/23/2011	REINSPECTED							
MAAMARI, NICOLAS	103 GOLD RUSH CT CLAYTON 94517	5812	Eating and Drinking Places			x				9/8/2010								
N AND D RESTAURANTS INC	1000 DARDEN CENTER DR ORLANDO FL 32837	5812	Eating and Drinking Places			x												
RAMIN, ELY	5305 VISTA POINT CT CONCORD 94521	5411	Grocery Store			x												
STEAKHOUSE LP, PITTSBURG	4350 CENTURY BLVD	5812	Eating and Drinking Places			x				3/7/2011	REINSPECTED							
BOLOURCHI, ALI	676 CUMBERLAND ST	5499	Miscellaneous Food Stores			x												
PANDA EXPRESS INC.	AVE ROSEMEAD 91770	5812	Eating and Drinking Places			x												
KODWEIS, WILLIAM	965 LAKEVILLE ST PETALUMA 94952	5812	Eating and Drinking Places			x												
SALEH, ASKER	202 DAVI AVE	5411	Grocery Store			x						X						
CAMARILLO, RONALD	673 CUMBERLAND ST	5813	Drinking Places (Alcoholic Bev			x						X						
BINNING, CHARANJH S.	2279 RAILROAD AVE	5411	Grocery Store			x												
(JMPG INC)PHAM, PHUC MINH	8180 STEVENSON AVE SACRAMENTO 95828	5812	Eating and Drinking Places			x												
COLEMAN, EVELYN	4512 LOON CT ANTIOCH 94531	5812	Eating and Drinking Places			x		6/8/2010	INITIAL			X						
HUI, ELLEN	PO BOX 1408 UNION CITY 94587	5812	Eating and Drinking Places			x		5/17/2010	REINSPECTION			X						
EGU, COLETH	3105 RAILROAD AVE	5499	Miscellaneous Food Stores			x												
BALLEY, VINOD	3739 RAILROAD AVE	5411	Grocery Stores			x												
PROPST, ANTHONY T	287 RONDA CT PITTSBURG	5812	Eating and Drinking Places			x												
TEEL, MICHAEL J	1375 BUCHANAN RD	5411	Grocery Stores			x				3/8/2011	REINSPECTED							
QUESADA, PRIMO	1101 RAILROAD AVE	2011	DAIRY PACKING PLANT			x		5/24/2010	INITIAL									
QUESADA, PRIMO	335 Central Avenue	2011	Meat Packing Plants			x		5/24/2010	INITIAL									
QUESADA, PRIMO	539 GARCIA AVE							5/20/2010	REINSPECTION									
N AND D RESTAURANTS INC	DR ORLANDO CA 32837	5812	Eating and Drinking Places			x												
SANCHEZ, JORGE O	2026 HARBOR ST PITTSBURG 94565	5812	Eating and Drinking Places			x												
ZEPEDA, REYNA	745 RAILROAD AVE	5812	Eating and Drinking Places			x		5/18/2010	REINSPECTION									
ROUND TABLE DEVELOPEMENT COMPA	1320 WILLOW PASS RD 600 CONCORD 94520	5812	Eating and Drinking Places			x				2/23/2011	REINSPECTED							
ROUND TABLE DEVELOPEMENT COMPA	1321 WILLOW PASS RD 600 CONCORD 94520	5812	Eating and Drinking Places			x												
BURD, STEVE	4TH & JACKSON ST OAKLAND 99999	5411	Grocery Stores			x												
CULLEM, CHRISTINE	232 GOLF CLUB RD PITTSBURG	5812	Eating and Drinking Places			x												
SMITH, ORIN	PO BOX 34067 SEATTLE WA 98124	5812	Eating and Drinking Places			x						X						
BADGER, ADRIAN	218 PEBBLE BEACH LOOP	5812	Eating and Drinking Places			x						X						

PROJECTS APPROVED BY PLANNING:

PROJECT	TYPE	DATE APPROVED	PLANNING RESO	STATUS
CHURCH'S CHICKEN RESTAURANT	TENANT IMPROVEMENT (NO CHANGE WITH EXISTING PLUMBING; APPLICANT TO USE EQUIPMENT LEFT BY FORMER USE)	12-Jul-11	9887	INTRIOR WORK IN PROGRESS
LUMPY'S DINER	TENANT IMPROVEMENT	14-Jul-11	9888	TENANT IMPROVEMENT COMPLETE, RESTAURANT NOW 166 OPEN.
IRISH CONSTRUCTION	SINGLE PARCEL DEVELOPMENT	7/26/2011	9889	PENDING PLAN SUBMITTAL FOR ENG, PLNG, AND BLDG PLAN REVIEW

CITY OF PITTSBURG N.P.D.E.S.

EMERGENCY & ENVIRONMENTAL MANAGEMENT PHONE NUMBERS

LOCAL GOVERNMENTAL CONTACTS

DEVELOPMENT SERVICES DEPT.: (925) 252-4930
ENVIRONMENTAL AFFAIRS: (925) 252-4114

ANTIOCH STORMWATER CONTACT: (925) 779-7035

MAINTENANCE DEPARTMENT: (925) 252-4936
AFTER HOURS: (925) 252-4936

ANTIOCH MAINTENANCE DEPT.: (925) 779-6950
ANTIOCH AFTER HOURS: (925) 778-2441

PITTSBURG POLICE DEPARTMENT: (925) 252-4980

ANTIOCH POLICE DEPARTMENT: (925) 778-2441

COUNTY / REGIONAL GOVERNMENTAL CONTACTS

CONTRA COSTA COUNTYFIRE
PROTECTION DISTRICT: (925) 757-1303

UNINCORPORATED CONTRA COSTA
COUNTY: (925) 313-2259
AFTER HOURS CALL HAZMAT OR 911

CCC HAZMAT 24-HOUR EMERGENCY: (925) 646-1112

SHERIFF'S COMMUNICATIONS CENTER: (925) 646-2441

DELTA DIABLO SANITATION DISTRICT 24- HR:
(925) 382-6960

CCC ENVIRONMENTAL HEALTH SERVICES:
(925) 646-5225; 7:30A.M. – 5:00P.M. WEEKDAYS

DELTA HOUSEHOLD HAZARDOUS WASTE
COLLECTION FACILITY: (925) 756-1990

SAN FRANCISCO BAY REGIONAL WATER QUALITY
CONTROL BOARD: (510) 622-2300 (Pittsburg)

EAST BAY REGIONAL PARK DISTRICT- FIRE DISTRICT
24-HOUR HOTLINE: (510) 881-1121

CENTRAL VALLEY REGIONAL WATER QUALITY CONTROL
BOARD: (916) 464-4730 (Antioch)

STATE AND FEDERAL AGENCIES

OFFICE OF EMERGENCY SPILL LINE :
(800) 852-7550

CA HIGHWAY PATROL: (925) 646-4980

DEPT. OF FISH & GAME- 24 HOUR DISPATCH:
(831) 649-2801

CAL EPA – DEPT. OF TOXIC SUBSTANCE CONTROL
(Region 2): (510) 540-3856

CAL OCCUPATIONAL SAFETY AND HEALTH
ADMINISTRATION: (925) 602-6517

US COAST GUARD – MARINE SAFETY OFFICE:
(510) 437-3073 (Alameda) (707) 374-2655 (Rio Vista)

SHERIFF (MARINE): (707) 421-7090
24- HR: (707) 421-7084

VECTOR CONTROL: (925) 685-9301

NP3 - Closed Drain Cleaning

(((Start Date Actual is from #1/1/10#) And (Stop Date Actual is through today)) And (Activity is equal to "NP3 - NPDES-closed drain"))

Date	W. O. #	Units	Route	Cu Yds:	Notes
1/11/2010	094234	13	City Wide		Performed storm drain maintenance in Zone 4 Drains - 13 Yardage - 8 1/2 cu yards. Pipe Footage - 20 Ln. Ft. Total Footage - 150 Ln. Ft. See work order for additional details.
1/11/2010	094235	16	City Wide		Storm Drain Mtc. Performed C.T.W. Storm Drain Maintenance. 199 Oak Pl. - Vacuumed 1901 Railroad Ave. / Oak Pl. (S/E Corner) 2 new drains being installed 113 Victory - Vacuumed 114 Victory - Vacuumed 407 California Ave - Silt Screen (7-8) S/E Harbor / Central - Vacuumed N/E Harbor / Central - Vacuumed S/E Harbor / E.12th St. - Vacuumed N/W Harbor / E.12th St. - Vacuumed S/E Harbor / Pitt-Ant. Hwy - Vacuumed N/W Harbor / E. Santa Fe - Vacuumed S/W Harbor / E. Santa Fe - Vacuumed E/S Harbor / Industry Rd. #3743 - Vacuumed - 2 bolts/2 washers Pittsburg Funeral Home - Vacuumed - Vacuumed plugged, needed to return. Drains - 16 Yardage - 5 cu. yards
1/13/2010	094239	20	City Wide		Performed C.T.W. storm drain maintenance Pittsburg Funeral Home - Vacuumed 1094 W. Leland Rd. - Vacuumed 2182 Dover Way - Vacuumed 275 W. Leland Rd. / Burton Ave. - Vacuumed 185 Linscheid - Vacuumed 172 Linscheid - Vacuumed 183 Manville - Vacuumed -Rodded (S) 200x2 = 400 Bolt holes broken. (8-17) West Blvd Alley - Vacuumed & Inspected S/W West Blvd / Seeno - Vacuumed S/E Madoline / West Blvd - Truck on grate - need to return to clean S/E 6th / Cumberland - Vacuumed Drains - 20 Yardage - 6 1/2 cu. yards Pipe Footage - 200 Ln. ft. Total Footage - 400 In. ft.
1/13/2010	094240	3	City Wide		ZONE 4 Performed storm drain maintenance in zone 4 S/w Spinnaker Way / Polaris Dr. #4131 - Vacuumed needs a new bottom to catch basin. Completely gone & took pictures. 2 bolts / 2 washers. S/W Polaris / Range Rd - #4132 - Vacuumed S/E Polaris / Range Rd. - #4133 - Vacuumed 2 bolts / 2 washers. Root Intrusion bottom of catch basin. Retapped bolt holes. Drains - 3 Yardage - 3 1/2 cu yards
1/14/2010	094435	4	City Wide		ZONE 3 Storm drain maintenance, See work order for additional details. 6.5 cu yds
1/19/2010	094340	4	City Wide		Clean Storm Drains. 4 cu yds Harbor St. / School St. Harbor St. / E. Leland Rd. Jacqueline / W. Leland Rd. Serrano Way / W. Leland Rd. Summer Way / W. Leland Rd. Avalon Ct. / Pebble Beach Loop W. 10th St. / York St. Andrew Ave. / N.Parkside Dr. Marks Blvd. / Railroad Ave. Madoline St. / W. Blvd. Central / Harbor St.
1/19/2010	89359	14	City Wide		Drain Clean, Do storm drains mains & clean. 2 cu yds
1/20/2010	094439	1	Salinas Ct.		Storm Drain Maintenance Set up at catch basin located on the N/E Corner. Catch basin holding water. Used shovel to locate mouth of the pipe going out to retention basin. Dropped redding hose into catch basin. Tried several times & only able to get in it approx. 6 In. ft. Notified Jorge of problem. Due to amount

				of water holding in catch basins need to have water pumped out or wait until after storms to see if we can find out why unable to rod into 24" pipe.
1/20/2010	86153	15	City Wide	Per Jorge Also rodded with the flow catch basin located on Park lawn to the retention basin approx. 42 In. ft. saw bubbles coming from hose out in retention pond. Pipe clear.
1/20/2010	094441	1	W. 17th St.	Clean up storm drains. 1.5 cu yds Plugged drain Drain in back playground area plugged water knee deep. Removed grate with boom hooks. Used shovel to remove heavy debris from siphon pipe. After several attempts able to get water flowing thru siphon pipe. Took a while for water to go down. Vacuumed debris from drain replaced grate back on drain.
1/20/2010	094335	4	City Wide	Storm Drain Clean Harbor / School St. Parkside Dr. / Andrew Ave. San Remo Way / Ridgecrest Way Madoline St. / West Blvd. E. 12th St. / Harbor St. Railroad Ave. / West Blvd. Montevideo Dr. / W. Leland Rd. Central / Harbor St. Stoneman Ave. / Loveridge Rd. E. Leland Rd. / Harbor St. Gladstone Dr. / Arlington Cir.
1/20/2010	094444	13	City Wide	Storm drain maintenance, 5.5 cu yds. See work order for additional details.
1/20/2010	094443	1	MacArthur Ave.	Drainage problem in backyard. School district put up new sound wall now resident at 233 & 237 are having flooding & drainage problems in their backyards. City does not have any backyard drains in this area. Notified residents they needed to contact school district regarding problem.
1/20/2010	094437	12	City Wide	Storm Drain Maintenance Performed C.T.W. Storm Drain Maintenance 199 Oak Pl. - vacuumed 1901 Railroad Ave. - Vacuumed - Flooded 114 Victory - Flooded - Vacuumed 113 Victory - Flooded - Vacuumed East Side of Harbor / East 10th St. - vacuumed Harbor - man hole - inspected for flow. Flow good coming from south. Not getting a good flow from the west. Flow from the east good. Marlin / W. Trident - N/W Corner - Vacuumed 95 Nautilus Pl. - Vacuumed 98 Nautilus Pl. - Car on grate - Cleaned off grate. 22 West Blvd. - Vacuumed N/E Corner of Madoline / West Blvd. - Car on grate. Racked grate - Vacuumed
1/21/2010	89858	111	City Wide	Drain - 12 Yardage - 4 1/2 cu yards. Storm Drain Maintenance Railroad Ave from 3rd St - Pheasant Dr. - 57 Drains Harbor - from 3rd St. - Buchanan Rd. - 54 Drains Drains - 111 each Yardage - 6 cu. yards
1/21/2010	89837	1	Jensen Cir.	Flooding in court at Jensen & Palo Verde Drive. Took out 2,600 gallons of water storm drain still need to be open.
1/21/2010	094663	24	City Wide	Storm Drain Maintenance. 4.5 cu yds; See work order for additional details.
1/22/2010	094475	1	Jensen Cir.	Plugged Drain North side dead end of Palo Verde Dr / Jensen Dr. catch basin # 3941 (small drain 6" line). Rodded with the flow 165 ft. South towards catch basin # 3940 located on S/W Jensen Dr. / Palo Verde Dr. upon arrival water flow down. No blockage in line. I feel problem is pipe is too small to handle any heavy rain flow. Might want to look into seeing if pipe can be enlarged.
2/1/2010	090161	2	Loveridge Rd.	Unplugged 2 catch basins and rodded one. Drains - 2 Yardage - 3 cu yds Pipe Footage - 140 lft Total Footage - 840 lft
2/3/2010	88764	3	Loveridge Rd.	Cleaned and vacuumed 3 storm drains. Boxes were full of debris and mud. 2 cu yds
2/18/2010	090763	2	E. 3rd St.	Ran area drains in back of Liberty Hotel. Lines were full of rocks and debris. Had to run lines several times.

2/19/2010	090762	3	Loveridge Rd.	Sucked out water out of storm boxes to have drains video'd.
3/1/2010	90572	5	City Wide	#4149 Morningstar Ct-Vacuumed; #4147 Northstar Dr-vacuumed; #4148 170 Northstar Dr - vehicle on grate unable to clean needs fish; #4146-170 Sealane Ct-Vacuumed-2 bolt/washer-need fish-needs cutback; broken up inside catch basin, did not have a digging bar to break it up; #4145-170 Eveningstar Ct-vacuumed-1 bolt/washer needs fish 1 cu yds
3/2/2010	090509	7	City Wide	Storm Drain maintenance at the following locations: 54 Galleon Way SD #4106 Vacuumed 3 Galleon Way SD #4104 Vacuumed Polaris & Dolphin Dr. SW Corner SD #4099 Vacuumed Polaris & Dolphin Dr. NW Corner SD #4100 Vacuumed 304 Polaris Dr SD #4101 Vacuumed 21 Viking Way SD #4116 Vacuumed Rocks & Bricks rodded 30' 3 times 18 Viking Way SD #4107 Vacuumed 1 cu yds
3/3/2010	90512	1	E. 11th St.	storm drain backed up in front of location. rodded 10' x 3. vac out storm drain, job complete. .25 cu yds
3/3/2010	90553	2	City Wide	#4124 SEC Hanlon Way & Cove Way; # 4125 SWC Hanlon Way & Cove Way. 1 cu yds
3/5/2010	90554	32	City Wide	1314 Jack London Dr N/S (vac out) - S/S (clear) 202 Caspian Ct W/S (clear) - E/S (clear) 1297 Jack London Dr N/S (vac out) - S/S (clear) 1292 Jack London Dr N/S (Clear) Jack London Dr/Parkview Dr SDMH Rd west to SD to clear debris 50' x 1 101 Salinas Ct N/S (clear) - S/S (clear) Steinbeck Dr/Parkview Dr N/S (clear) - S/S (clear) 4 Emerson Ct S/S (Clear) - N/S (clear) 1358 Emerson Dr S/S (clear) - N/S (clear) 1356 Steinbeck Dr N/S (clear) - S/S (clear) 103 Steinbeck Ct N/S (clear) - S/S (clear) 214 Jack London Ct S/S (clear) 210 Jack London Ct S/S (clear) 280 Cannery Ct W/S (clear) 1358 Jack London Dr S/S (clear) 202 Chabot Ct W/S (clear) 1342 Jack London Dr N/S (vac out) - S/S (clear) 1330 Jack London Dr S/S (clear) 1326 Jack London Dr S/S (clear) 201 Dawson Ct E/S (vac out) 200 Dawson Ct W/S (clear) Brickyard/Jack London Dr W/S (clear) 5 cu yds
3/8/2010	96542	39	City Wide	327 Jorgensen Ct NWC (C); 324 Jorgensen Dr E/S (C); 324 Jorgensen Dr W/S (C); 347 Jorgensen Dr E/S (C); 1030 Burnham Dr SWC (C); 221 Mitchum Dr E/S (C); 1047 Monfredo Dr N/S (C); 1069 Case Dr N/S (C); Case/Monfredo SEC (C); Burnham/Case SEC (C); 1042 Burnham S/S (C); Houser/Burnham NEC (C); 1062 Mephram S/S (C); Jorgensen/Mephram SEC (C); Power/Jorgensen SEC (C); Parkside School SEC (C); 3616 N Parkside/Dave (V); 3617 Davi/Civic N/E (V); 3618 Dave/Civic S/S (C); 3418 Silt Screen Const (C); 3415 (C); 3086 Power/Dave NEC (V); 340 Davi E/S new location; 314 Davi E/S new location; Lowry st/Enterprise Cir NEC (C); Prosperity Ct/Enterprise Cir N/W (C); 1531 Enterprise E/S (C); 1547 Enterprise Cir E/S (C); 503 Bellows Ct S/S (C); Preservation/Enterprise Cir N/E (C); 751 Preservation W/S (C); 911 Thomasville Ct E/S (C); 1599 Enterprise Cir E/S (C); 1615 Enterprise Cir S/S (C); 1009 Reliance Ct (C); 111 Cannon Ct (C) 5 cu yd
3/9/2010	96543	2	City Wide	Clean drains south bound Harbor St 200' south of E. 10th St on west side. Empty vac 8 times to remove water and debris. still need to complete rodding line east of pump station. 100yds of debris
3/9/2010	96841	1	W. 2nd St.	clean storm drain on SWC of location to remove asphalt debris .5 cu yd
3/10/2010	96545	4	City Wide	Double storm drain S bound Harbor on WS @ 200' south of E. 10th St. filled tank (9) times and rodded line @ 30' east x 5 (excessive debris) 2 cu yd
3/11/2010	96520	4	City Wide	*N side of road on Schooner btwn Viking/Galleon manhole rodded and vacuumed 115x2=230LnFt. rodded south to freeway soundwall *54 Galleon Way #4106 vacuumed and washed down, note: asked 58 Galleon if sd manhole in backyard not there. nobody home @ 54 Galleon way. unable to find out if manhole is in backyard. *151 Viking way-no onehome. unable to locate backyard manhole *91 Dolphin Dr #4102 rodded and vacuumed-bolt and washer 210x2=420 Lnft., drains-4, .25yds, 325 pipe footage, 650 total footage

3/15/2010	80382	13	City Wide	Harbor/School NWC (V); Harbor/School SW @ 56' west of intersection (V); Harbor/School SWC (V); 2082 Harbor St W/S (C); Harbor/California SWC (C); Harbor St -SD#4652 (V); Harbor St W/S -SD#4648; Harbor/Bliss SEC (C); Harbor St /S -SD#4649; Harbor St E/S (C); Harbor/California SE (V) rod 70' W x 4; Harbor/School SEC (V). Total 3yds debris
3/16/2010	76114	11	City Wide	3 cu yds debris; Harbor St E/S under E. 14th St-5 drains
3/17/2010	89663	1	Madoline St.	clean stormbox of debris .25 cu yd
3/17/2010	98072	1	City Wide	#3759; removed (6) tanks full of water, still need to remove debris .25 cu yd
3/17/2010	89664	1	Harbor St.	vacuumed storm drain of water and debris .25 cu yd
3/19/2010	098069	2	City Wide	Nourth bound Harbor between E Santa Fe & E 10th St, storm drains on median side. Removed debris from below water line. 1 yard of debris removed.
3/22/2010	76088	6	City Wide	clean/inspect storm drains, .25 cu yds debris - Railroad Ave/E. 17th St SEC & NEC; Railroad Ave 50' North of E. 17th St on east side #3794; Railroad Ave btwn Central & E. 15th St; Railroad Ave and E. 10th St SEC
3/22/2010	98070	21	City Wide	Clean inspect storm drains - 2.5 cu yds debris: Railroad Ave SWC (no#)x2; Railroad Ave/Center D SWC (no #); Railroad Ave/Bliss Ave NWC #4616 & SEC (no #); Railroad Ave south of EB Hwy 4 on ramp (no #); Railroad Ave east of California Ave NEC: Railroad Ave 200 ft N of California e/s-2; Railroad Ave & Power Ave E/S; Railroad Ave & Oak PI SEC
3/22/2010	76087	1	Harbor St.	remove storm drain cover from inside vault and reinstall to cover vault
3/23/2010	76089	16	City Wide	clean and inspect storm drains: Railroad Ave/Parkside Dr ES; Stone Harbor D/Plymouth Dr SEC & SWC; Stone Harbor Dr/Seward DR SEC; Stone Harbor Dr btwn Seward and Cardiff SS & NS; 125 E. Trident NS; Stone Harbor/Cardiff SEC; Stone Harbor & Newport Dr SWC; Stone Harbor btwn Newport Dr/Galway Dr SS & NS; Stone Harbor & Galway Dr SEC; Stone Harbor/Biscay Dr SWC; 703 Stone Harbor Dr NS & SS; Stone Harbor & Brighton Dr SEC. 2.54 yds debris
3/24/2010	98328	10	City Wide	clean storm drains: Far north end btwn Morrow/Plymouth; Stone Harbour Dr SWC; Far north end btwn Seward & Cardiff; Far north end btwn Newport Dr & Galway Dr; 2063 Galway DR NS; 549 Garcia NS # 4642; 549 Garcia SS #4643; 540 Garcia Ave SS; 529 Garcia Ave ES #4655; 529 Garcia Ave WS # 4654; total cu yds debris 2
3/26/2010	89259	1	Range Rd.	storm grate fell in box.
3/29/2010	98331	4	City Wide	Range Rd location listed on back of work order, removed grate from inside vault and reinstalled w/bolts to hold in place. transported temp cover back to yard
3/30/2010	98312	4	City Wide	storm drains on Garcia behind buildings, have lots of debris in them and 24" piping is 1/2 full of debris. 1094 West Leland, 549 Garcia. 2.5 cu yds
3/30/2010	80381	7	City Wide	Cleaned 7 drains on Harbor St/Hawthorn Ln. Vac & clean 6 of the 7 locations; 3yds debris
4/7/2010	98318	16	City Wide	clean/inspect storm drains; .25 yds debris
4/8/2010	98321	18	City Wide	inspect / clean storm drains. 3.5 yd debris
4/12/2010	98748	18	City Wide	clean/inspect storm drains; 1.13 cu yds debris
4/12/2010	98747	18	City Wide	clean/inspect storm drains; .75 cu yds debris
4/12/2010	98749	18	City Wide	clean/inspect storm drains; .75 cu yds debris
4/12/2010	98302	9	City Wide	clean/inspect storm drain; .25 cu yds debris
4/13/2010	98727	18	City Wide	clean/inspect storm drains; .75 cu yds debris
4/13/2010	98724	18	City Wide	clean/inspect storm drains; 1cu yd debris
4/13/2010	98725	18	City Wide	clean/inspect storm drain; 1.25 yd debris
4/14/2010	98730	1	Sugartree Dr.	suck out debris from #2277, remove bottles, cans, wood etc.; items got caught in snorkle and had to remove tubing to clear vac tube. .5 cu yd
4/14/2010	98728	18	City Wide	clean/inspect storm drains; .25 cu yds debris
4/15/2010	98732	7	City Wide	clean/inspect storm drain; .13 cu yds debris
4/16/2010	98736	14	City Wide	clean/inspect storm drains; .5 cu yds debris
4/16/2010	097815	1	Stockton Ct.	Retrieved keys from storm box.
4/19/2010	98739	18	City Wide	
4/20/2010	98308	13	City Wide	clean/inspect storm drains; .25cu yds debris
4/21/2010	98717	10	City Wide	clean/inspect storm drains; .13 cu yds debris
4/21/2010	98714	18	City Wide	clean/inspect storm drains; 1.75 cu yds debris
4/21/2010	98715	18	City Wide	clean/inspect storm drains; 1cu yds debris

4/21/2010	98716	18	City Wide		clean/inspect sotrm drains;.26 cu yds debris
4/22/2010	98718	18	City Wide		clean/inspect storm drain; .5 yd debris
4/22/2010	98721	7	City Wide		clean/inspect storm drains
4/22/2010	98720	17	City Wide		clean/inspect storm drains
4/22/2010	98719	18	City Wide		clean / inspect storm drain
4/23/2010	98309	5	City Wide		clean/inspect storm drains; .25 cu yds debris
4/24/2010	91379	1	Century Plaza		I had to remove a storm drain lid so animal control can get baby ducks out of storm drain
4/28/2010	98340	18	City Wide		clean/inspect storm drains;
4/30/2010	090234	1	Kingsly Dr.		Inspected storm drain
5/1/2010	090236	1	Loveridge Rd.		Removed keys from storm drain
5/3/2010	96960	17	City Wide		storm drain clean/inspect
5/3/2010	96958	10	City Wide		storm drain clean/inspect
5/3/2010	98326	18	City Wide		storm drain clean/inspect
5/5/2010	100216	17	City Wide		storm drain clean / inspect
5/5/2010	100219	6	City Wide		storm drain clean/inspect
5/5/2010	100218	18	City Wide		storm drain clean/inspect; 1.25 cu yds debris
5/5/2010	100217	18	City Wide		storm drain clean/inspect
5/6/2010	100240	7	City Wide	0.52 yd ³	storm drain clean/inspect .52 cuyd
5/6/2010	100239	17	City Wide		.5 Cu. Yds.
5/7/2010	100241	18	City Wide		2.25 cu. yds.
5/7/2010	100242	18	City Wide		storm drain clean/inspect .25 cuyd
5/7/2010	100243	1	City Wide		storm drains clean/inspect
5/14/2010	100248	14	City Wide		storm drain clean/inspect
5/14/2010	100246	18	City Wide		storm drain clean/inspect
5/14/2010	100247	18	City Wide		storm drain clean/inspect
5/17/2010	100249	18	City Wide		clean/inspect storm drains; .25 yds debris
5/17/2010	100221	18	City Wide		clean/inspect storm drains
5/17/2010	100250	18	City Wide		clean/inspect storm drains; .25 yds debris
5/17/2010	100222	18	City Wide		clean/inspect storm drains
5/18/2010	100208	12	City Wide		clean/inspect storm drains; .26yds debris
5/18/2010	100206	18	City Wide		clean/inspect storm drain; .5 cu yds debris
5/18/2010	100203	18	City Wide		clean/inspect storm drains; .5 cu yds debris
5/18/2010	100205	18	City Wide		clean/inspect storm drains; .75 cu yds debris
5/18/2010	100204	18	City Wide		clean/inspect storm drains; .13 cu yds debris
5/18/2010	100207	18	City Wide		clean/inspect storm drains
5/19/2010	100209	18	City Wide		clean/inspect storm drain .13 cuyd
5/19/2010	100210	18	City Wide		clean/inspect storm drains; .5 cu yds debris
5/19/2010	100211	16	City Wide		clean/inspect storm drain; .5 cu yds debris
5/26/2010	100212	18	City Wide		clean/inspect storm drains; .25 cu yds debris
5/26/2010	100213	18	City Wide		clean/inspect storm drains
6/2/2010	100214	1	E. 8th St.		Anthony Baldazo EC Supervisor asked us to check and clean storm drain at the NEC of E. 8th ST & Los Medanos
6/3/2010	100191	18	City Wide		1440 Mondana Pl-bottom coming apart in storm drain, needs to be checked out. .26 cuyds
6/4/2010	100193	18	City Wide		clean/inspect storm drains
6/4/2010	100194	18	City Wide		clean/inspect storm drains
6/4/2010	100195	15	City Wide		clean/inspect storm drains # 480-heavy roots in box .25 cuyd
6/7/2010	100192	18	City Wide		clean/inspect storm drain
6/7/2010	100190	18	City Wide		clean/inspect storm drains; 1.5 cu yds
6/8/2010	100271	2	City Wide		.5 cuyds debris. #1257-.25 yds; #1289-.25 yds
6/8/2010	100270	7	City Wide		2.76 cu yds
6/9/2010	100272	1	Century Blvd.		clean dirt around storm drain. vac out inside cover w/steel plate .25 cuyds
6/10/2010	92750	1	Manville Ave.		Clean storm drain from a lot of water, leaves and rocks. went south 100'.

6/11/2010	100275	3	City Wide	1.75 cu yds debris;
6/14/2010	100279	1	California Ave.	clean out storm manhole @ 3.5 yds debris - E. California Ave 50yds east of Loveridge Rd
6/15/2010	91563	1	E. 12th St.	unplugged storm drain in yard that was plugged. .5 cuyd
6/15/2010	98713	4	City Wide	vaccum inside cover and steel plate. clean dirt around storm drain. rod lines. 2.88 cuyd
6/16/2010	100224	2	West Blvd Alley	clean/inspect storm drain #1491-rodde 140' east to 969 and rodde 400' east to 968; 1 cuyd
6/17/2010	100537	12	City Wide	clean/inspect storm drains. #3743-rodde 158'north, .13 yds; #1665-.13yds; #1664-.13 yds; #1667-rodde 15' N on south side.13 yds; #388-rodde 385' east.13yds; #1666-rodde 15' south.13yds;. Total yds debris=1.03yds debris
6/17/2010	101084	6	City Wide	Clean/inspect storm drain manholes; #386-rodde 500' east and 450' west, .25 yds debris; #387-rodde 500' east; #388-rodde 385' east; #389-rodde 158' north
6/18/2010	100530	17	City Wide	clean/inspect storm inlets
6/18/2010	100540	18	City Wide	clean/inspect storm drain; #280-.13 yds debris; #279-.13 yds debris; #278-.13 yds debris; #281-.13 yds debris
6/18/2010	100529	1	Granada Dr.	Vac out storm drain and rod lines from pool water pumped out into street. Note: Va out at SD# 1636 rodde 100' east to SD#1634 and rodde 30' north to SD# 1635.
6/18/2010	100542	8	City Wide	clean/inspect storm manholes
6/21/2010	100227	7	City Wide	clean/inspect storm manholes.
6/21/2010	100531	18	City Wide	clean/inspect storm inlets. #212-rodde 50' north, .13yds debris; #232, .13yds debris. Total debris .26yds
6/21/2010	100252	7	City Wide	clean/inspect storm inlets.
6/21/2010	100228	18	City Wide	clean/inspect storm inlets. NOTE: #2554 rodde 40' south & 100' east. #2567, #2566 & #2571 need repair-no bolts. #2590-rodde ' south x 2 ; #2555-.13 yds; #2554-.25yds; #2595-.5yds; #2569-.5yds; #2590-1 yds. Total Debris = 2.38 cu yds debris
6/23/2010	100268	18	City Wide	clean/inspect storm inlet.#2217-.25yds; #2218-.13yds; #2219-.13yds; #2205-.13yds; #2206-.25yds(rodde 40' south 100' east 200' west); #2200-.13yds; #2208-.13 yds; #2209-.13yds; #2210-.13yds; #2207-.13yds; #2207-.13yds; 2178-.13yds; #2179-wood debris in inlet. Total debris = 1.67cuyds
6/23/2010	100266	10	City Wide	clean/inspect storm inlet. #2195, .13yd; #2225, .13yd; Total yds .26 cu yds debris
6/23/2010	100267	4	City Wide	clean/inspect storm manhole
6/24/2010	100534	18	City Wide	clean/inspect storm drain inlets 1.25 cuyds
6/24/2010	100532	7	City Wide	clean/inspect storm drain inlets .75 cuyd
6/24/2010	100533	18	City Wide	clean/inspect storm drain inlets .65 cuyd
6/25/2010	093386	1	E. Leland Rd.	Open stormdrain grate to allow animal services to retrieve ducklings from drain.
6/28/2010	100496	2	City Wide	#1493 & #1499
6/28/2010	100497	7	City Wide	#1195-.13cuyds; #1196-.13cuyds; #1194-.13cuyds; #1193-.13cuyds; #1190-.13cuyds; #1191-.13cuyds
6/28/2010	100495	18	City Wide	#1060-.13cuyds; #1059-.13cuyds; #1049-.13cuyds; #1048-.13cuyds; #1046-.5cuyds; #1185-.5cuyds; #1311-.13cuyds; #942-.13cuyds; #944-.13cuyds; #945-.13cuyds; #1189-.13cuyds
6/29/2010	100501	1	Bliss Ave.	Inspect storm drain on corner. Engineer though drain on Jack In The Box property taped into storm drain. It does not.
6/30/2010	093429	1	N. Park Blvd.	Received call from PD to go and open stormdrain. When I got out there, PD cancelled call.
6/30/2010	100543	2	City Wide	#1289 - .25 yd; # Unk-.13yds
7/2/2010	100547	1	Dover Way	Odor problem off and on for about 6 months per resident. arrived at location and removed storm inlet cover. did visual inspection, no debris @ 12' deep, 48" drain line. no odor detected, reported that information to Jorge Esparza. we were instructed to reinstall cover and resume normal duties. Brian and I walked hiking trail behind residents home to 48" inlet pipe and took pictures where inlet covered by plants.
7/2/2010	100546	1	E. 15th St.	clean/inspect storm drain inlet #1677 - E. 15th St far west end (in court)
7/6/2010	100549	8	City Wide	7.00 yd ³ Construction entrance to new school building no silt cover on storm inlet. Spoke to contractor about covering inlet. Brian and I put a piece of plywood over drain inlet to protect from more dirt entering inlet. Notified Jorge Esparza regarding problem. #1689-.25yds; #1690-1 yd; #1515-1.75 yds & Rodde SW 60' and Rodde NE 100'; #1514-.5yd; #1516-2 yds; #1517-.5 yds; Un-numbered-1 yd
7/8/2010	97879	1	Century Blvd.	Century Blvd 150ft north east of N. Park Blvd east side. remove concrete forms and cover hole.

7/8/2010	093542	1	N. Park Blvd.		Went to home depot for tools for storm drain shop for Jorge E. # 207-43021-1341
7/9/2010	100492	6	City Wide		clean/inspect storm inlets.
7/14/2010	100555	18	City Wide	2.26 yd ³	#2080-2cuyds; #2917-.13cuyds; #2924-.13 cuyds
7/15/2010	100263	16	City Wide	2.01 yd ³	#1938-.13cuyd; #3765-.25cuyds; #2079-.25cuyd; #2081-1cuyd; #3018-.13cuyds; #3019-.25cuyds
7/16/2010	100971	11	City Wide	1.00 yd ³	#975-.25cuyd; #1150-.25cuyd; #1147-.50cuyd
7/16/2010	100972	18	City Wide	1.00 yd ³	#1451-.25cuyd; #1423-.25cuyd; #1420-.25cuyd; #1167-.25cuyd
7/21/2010	100960	1	E. 9th St.	0.25 yd ³	clean out debris from storm inlet. not on map pg 71
7/21/2010	100981	3	City Wide	0.75 yd ³	#2555-.25 yds; #2554-.25 yds; #2556-.25 yds (also no bolts)
7/22/2010	103226	1	E. 6th St.		Resident of Pittsburg dropped their cell phone down in storm drain. Took storm drain cover off and used a long angled shovle to get the phone out of the storm drain. Placed back the storm drain cover and bolted it back down. Storm drain #574
7/23/2010	100962	14	City Wide	2.01 yd ³	#319-.13yds; #360-.13yds; #320-.25yds; #887-.5yds; #886-.25yds; #889-.5yds; #890-.25yds
7/23/2010	100961	18	City Wide	1.17 yd ³	#309, 331, 330, 327, 328, 326, 322, 321, unk - all had .13cu yds debris. #311-no fish
7/23/2010	100963	2	City Wide	1.50 yd ³	#888-Heron Dr & RiverPark Dr; #334-Heron Dr & W. 2nd St, 1.5cuyd debris
7/27/2010	100966	2	Rancho Bernado Dr.	2.00 yd ³	Set up at SD# 2554. Rodded 40' south to SD# 2556. Set up at SD# 2555, rodded @ 75' west to #2554. Vac out both inlets #'s 2554-2555. 4" inlet in SD# 2554 heading west does not go anywhere.
7/28/2010	100967	17	City Wide	2.01 yd ³	No # -506 Black Diamond-.5yd; #1777=.25yd; No#-W. 4th & Marina Blvd SEC-.5yd; #1775-.13yds; No#-340 Marina Blvd-.13; #1770-.25yds; No#-Marina BLvd & West St ss-.25yd
7/28/2010	100969	3	City Wide		manhole inspect. 3 locations all with no number
7/29/2010	100258	18	City Wide	1.79 yd ³	#2155-.13yd; #2165-.13yd; #2164-.13yd; #2162-.13yd; #2134-.13yd; #1798-.13yd; #2365-.13yd; #1799-.13yd; #305-.25yd; #2144-.5yd
7/30/2010	100983	9	City Wide	1.52 yd ³	#2163-.25 cuyds; #2366-.25 cuyds; #1802-.25 cuyds; #2364-.13 cuyds; #1805-.13 cuyds; #1806-.13 cuyds; #1716-.13 cuyds; #2151-.25 cuyds
8/2/2010	100985	8	City Wide	3.00 yd ³	clean / inspect storm drains; #316-.25 cuyds; #.25 cuyds; #313-.5 cuyds; #300-.25 cuyds; #299-.25 cuyds; #303-.5 cuyds; #302-1 cuyds; Total Cu. Yds - 3. rodded from SD# 303 south to ST#302 - 27ft x10, excessive roots in line.
8/3/2010	100987	1	City Wide	0.13 yd ³	191 Sandpiper Dr south side SD# 302, rodded 20ft north x7 and vac water. NOTE: big ball of roots at this location need to CCTV line at this location per Jorge Esparza. .13yds debris
8/4/2010	100255	2	City Wide		#2458-dead raccoon
8/4/2010	100256	18	City Wide	6.50 yd ³	no#-.25 cuyd; #2426-.25 cuyds; #2286-.25 cuyds; #2285-.25 cuyd; #2284-.5 cuyd; #2283-1 cuyd; #2256-.25 cuyd; #2281-.5 cuyd; #2279-.13 cuyd; #2276-.13 cuyd; #2277-.13 cuyd; #2278-.13 cuyd; #2274-1.5 cuyd & bottom falling apart and needs to be replaced; #2275-.5 cuyd; #2273-.25 cuyd; #2272-.25 cuyd; #2269-.25 cuyd.
8/5/2010	100508	5	City Wide		
8/5/2010	100253	1	Santa Lucia Dr.		Checked out storm inlet, slight odor more like old grass clippings, rodded line 40' south & 50' east, rinsed out storm box and vac out. sprayed some de-odorizer.
8/5/2010	100507	16	City Wide	2.27 yd ³	#2267-.25 cuyd; #2266-.25 cuyd; #3419-.25 cuyd; #3418-.25 cuyd; #3424-.13 cuyd; #3423-.13 cuyd; #3422-.13 cuyd; #3427-.13 cuyd; #3426-.25 cuyd; #3430-.25 cuyd; #3429-.25 cuyd. Total = 2.27 Cu.Yds
8/6/2010	100509	11	City Wide	2.25 yd ³	#2268-.25cuyds; No#-.75cuyds; #204-.25cuyds; #205-.25cuyds; #2445-.13cuyds; #2444-.13cuyds; #2516-.25cuyds; No#-.25cuyds
8/6/2010	100510	1	Oak Hills Dr.	0.25 yd ³	rodded 40ft east
8/9/2010	100514	2	City Wide		
8/9/2010	100513	18	City Wide	1.75 yd ³	#768-.13cuyds; #767-.13cuyds; #771-.13cuyds; #772-.13cuyds; #765-.13cuyds; #757-.13cuyds; #754-.13cuyds; #755-.13cuyds; #459-.13cuyds; #458-.13cuyds; #758-.13cuyds; #759-.13cuyds; #455-.25cuyds
8/9/2010	100515	8	City Wide	1.26 yd ³	#456-.25cuyds; #208-.13cuyds; #2515-.25cuyds; No#-.25cuyds; #1159-.25cuyds; #1160-.13cuyds
8/10/2010	100517	13	City Wide	1.75 yd ³	#1158-.13cuyd; #1157-.13cuyd; #1143-.13cuyd; No#-.25cuyd; #1144-.13cuyd; #1146-.25cuyd; #1145-.13cuyd; #1128-.13cuyd; #2464-.13cuyd; #1129-.13cuyd; No#-.13cuyd; #1130-.13cuyd
8/11/2010	100520	2	City Wide	0.13 yd ³	#1705-.13cuyd
8/11/2010	100519	18	City Wide	2.79 yd ³	#1904-.13cuyd; #1906-.13cuyd; #1905-rodded 35ft north and 45ft west. .25cuyd; #1907-.13cuyd; #1908-.13cuyd; #1909-.13cuyd; #2114-1.5cuyds; #2113.13cuyd; #1708-.13cuyd; #1706-.13cuyd

8/12/2010	100521	15	City Wide	2.51 yd ³	No#-.13cuyd; #2070-.5cuyd; #2071-.25cuyd; #2032-.25cuyd; #1740-.25cuyd; #3761-.25cuyd; #3760-.25cuyd; #3758-.25cuyd; #3759-.25cuyd; #2077-.13cuyd
8/16/2010	100505	18	City Wide	2.25 yd ³	#2006-.25cuyd; #1836-.25cuyds; No#-.13cuyds; No#-.13cuyd; #3753-.13cuyd; #3752-.13cuyd; #3751-.13cuyd; #3750-.13cuyd; #2075-.13cuyd; #3016-.13cuyd; #2074-.13cuyd; #3019-.13cuyd; No#-.13cuyd; #1837-.13cuyd; #3014-.13cuyd; #3013-.13cuyd
8/16/2010	100990	1	E. 4th St.		
8/16/2010	100506	5	City Wide	1.52 yd ³	#2079-1cuyd; #2066-.13cuyd; #2081-.13cuyds; No#-.13cuyd; No#-.13cuyd
8/18/2010	101730	1	Century Blvd.		remove storm cover in open field and drill (4) 1/2in holes. lag down with (4) 3/8in x 2 1/4in wedge anchors and secure. also removed 2x4's from inside storm inlet.
8/19/2010	101732	1	DeAnza Park		Arrive at location clean out debris, concrete blocks, roots and built up mud. was told to contact maintenance shop to weld shut manhole. wet down area prior to welding and remained on site for fire watch.
8/19/2010	101731	1	Leeward Pl.	0.50 yd ³	Rodded from storm inlet #2149 - 120ft east to storm manhole #662. .5cuyd debris
8/23/2010	101466	3	City Wide	0.76 yd ³	Storm Inlets: No#-.5cuyd; #1163-.13cuyd; #3450-.13cuyds
8/23/2010	101467	1	Sandpiper Dr.	0.25 yd ³	did demo with root cutting tool then removed root by force.
8/25/2010	101470	14	City Wide	1.50 yd ³	#3139-.25cuyd; #4140-.5cuyd; #1507-.13cuyd; No#-.13cuyd; No#-.13cuyd; No#-.13cuyd; No#-.13cuyds; #1176-.13cuyds; #2463-.13cuyd; #1477-.13cuyd; No#-.25cuyd; #894-.25cuyd; #895-.25cuyd
8/26/2010	101472	1	Railroad Ave.	0.13 yd ³	#1261 - Railroad Ave 200yds south of Buchanan Rd on the east side. Rodded 80ft west and about 8ft east, blockage on east side possible roots, line needs to be videod.
8/26/2010	101471	18	City Wide	3.75 yd ³	#908-.13cuyds; #1629-.25cuyds; #1261-.25cuyd; #1175-.13cuyds; #1243-.25cuyds; No#-.25cuyds; #1257-.13cuyd; No#-.13cuyds; No#-.25cuyds; No#-.13cuyds; #1685-.25cuyds; #1686-.25cuyds; #1680-.25cuyds; #1508-.25cuyds; #167-.25cuyds; #6138-.13cuyds; No#-.25cuyds; #1687-.25cuyds
8/30/2010	101474	1	Presidio Ln.		vac out storm inlet an dclean due to sewer overflow
8/30/2010	101473	5	City Wide	0.53 yd ³	storm manhole cleaning due to sewer overflow. rod and vac manholes.
8/31/2010	101475	15	City Wide	2.90 yd ³	#1958-.13cuyd; No#-.13cuyd; #1951-.13cuyd; #1400-.13cuyd; #1399-.25cuyd; #1385-.25cuyd; #1384-.5cuyd; #1186-.25cuyd; No#-.25cuyd; No#-.25cuyds; #1376-.25cuyd; #1295-.25cuyd; #974-.13cuyd
9/1/2010	101578	2	City Wide	0.13 yd ³	#1067-.13cuyd
9/2/2010	101579	16	City Wide	6.25 yd ³	#1044-.25cuyds; #1064-.13cuyds; #10605-.13cuyds; #1066-.25cuyds; #1244-.25cuyds; #1245-.25cuyds; #1275-.25cuyd; #1294-.25cuyd; #1296-.5cuyds; #1489-1cuyd; #1375-.5cuyd; #1377-.5cuyd; #1378-.5cuyd; #1379-.5cuyd; #1382-.5cuyd; #1381-.5cuyd
9/3/2010	101547	1	E. Leland Rd.	0.50 yd ³	completed inlet something stuck in vac tube; .5cuyds
9/7/2010	101548	17	City Wide	2.75 yd ³	#1383-1cuyd; #1386-.5cuyd; #2104-.13cuyd; #2103-.13cuyd; #2094-.13cuyd; #2101-.25cuyd; #2102-.13cuyd; #2091-.13cuyd; #2092-.13cuyd; #2090-.13cuyd; #2087-.13cuyd
9/8/2010	099293	10	City Wide		#2069-.25cuyd; #374-.25cuyds; #2065-.25cuyds; #3698-.25cuyds
9/8/2010	95452	5	City Wide		no debris.
9/8/2010	099295	16	City Wide	0.50 yd ³	#1294-.25cuyds; # 1498-.25cuyds
9/9/2010	101574	8	City Wide		E. Leland Rd 150ft west of Loveridge RD on southside is not on map
9/13/2010	99544	1	Willow Pass Rd.		check the storm drain across from 1538 Willow Pass Rd. There wasn't any smell.
9/14/2010	101559	14	City Wide	0.45 yd ³	#1161-.25cuyds; #1146-.20cuyds; #1149-bolt stripped need to fix; #1146-bottom of box needs repair. 300 Kingsberry Pl-not on map
9/14/2010	101573	18	City Wide	1.75 yd ³	#1125-1cuyd; #1126-.25cuyd; #1121-.25cuyd; #1122-.25cuyd; 62 West Blvd back alley not on map; #965-needs repair
9/16/2010	101478	13	City Wide		stormdrains
9/16/2010	096973	1	W. 8th St.		attempt to retrieve diamond ring from box. box was full of debris. pulled out debris with shovel. didn't find ring. vactored line with truck. went back to yard to pump to see if vactored ring. there is not a number for storm manhole.
9/18/2010	093700	1	Pheasant Dr.		get keys out of drain
9/20/2010	099074	1	W. 10th St.		looked for storm drain inlet but wasnt able to find any concrete basin
9/22/2010	101890	7	City Wide		storm manhole clean/inspect;
9/22/2010	101889	18	City Wide	2.29 yd ³	#3170-.25cuyd; #3171-.25cuyd; #3172-.25cuyd; #3198-.25cuyd; #3197-.25cuyd; #3173-.13cuyd; #3174-.13cuyd; #3176-.13cuyd; #3178-.13cuyd; #3177-.13cuyd; #3186-.13cuyd; #3185-.13cuyd;

9/22/2010	101891	9	City Wide	1.04 yd ³	#3184-.13cuyd storm drain cleaning: \$3188-.13cuyd; #3181-.13cuyd; #3180-.13cuyd; #3179-.13cuyd; #3193-.13cuyd; #3194-.13cuyd; #3192-.13cuyd; #3191-.13cuyd
9/23/2010	101894	3	City Wide	0.26 yd ³	#8127-.13cuyd; No#-.13cuyd
9/23/2010	101893	14	City Wide	2.77 yd ³	#3195-.25cuyd; #3196-.25cuyd; #3201-.13cuyd; #3200-.13cuyd; #3206-.25cuyd; #3204-.13cuyd; #3203-.13cuyd; #1662-1cuyd; #1752-.25cuyd; #1700-.25cuyd
9/25/2010	099387	1	Patricia Ave.		Pull up inlet cover that fell into the storm drain #1514. Drain was covered with a tarp and there is no construction zone at all.
9/27/2010	101896	18	City Wide	3.54 yd ³	#2116-.25cuyd; #1699-.5cuyd; #2120-.13cuyd; #2119-.13cuyd; #2118-.25cuyd; No#-.25cuyd; No#-.25cuyd; No#-.13cuyd; #1837-.13cuyd; #83-.13cuyd; NO#-.25cuyd; #2918-.25cuyd; #2917-.25cuyd; #2080-.25cuyd; #2920-.13cuyd; #2921-.13cuyd; #2925-13cuyd
9/27/2010	101897	12	City Wide	0.90 yd ³	#2931-.13cuyd; #2937-.13cuyd; #1938-.13cuyd; #2910-.13cuyd; #2911-.25cuyd; #2914-.13cuyd
9/28/2010	101552	18	City Wide	2.78 yd ³	2916-.13cuyd; 3764-.25cuyd; 3765-.25cuyd; 1755-.25cuyd; 1759-.5cuyd; 1763-.25cuyd; 1762-.13cuyd; no#-.13cuyd; no#-.25cuyd; 1765-.13cuyd; 1766-.13cuyd; 1757-.13cuyd
9/28/2010	101553	3	City Wide		no debris
9/28/2010	101554	5	City Wide	0.77 yd ³	1793-.13cuyd; 1808-.25cuyd; 1796-.13cuyd; 1795-.13cuyd; 1792-.13cuyd
9/29/2010	101555	14	City Wide	2.14 yd ³	no#-.25cuyd; No#-.13cuyd; 3162-.13cuyd; 3164-.25cuyd; 3159-.25cuyd; 3160-.25cuyd; 292-.25cuyd; 295-.13cuyd; 293-.25cuyd
9/29/2010	101557	1	E. Catamaran Cir.		inspect manhole - no # for storm manhole. attempt to retrieve ring from box. box was full of debris. pulled out debris with shovel. didn't find ring. vactored line with truck. went back to yard to pump to see if vactored ring.
9/29/2010	101558	2	Kapalua Bay Cir.		#2735 260 Kapalua Bay Cir & #2879-285 Kapalua Bay Cir screens missing @ 31 sand bags filled with rock. Checked out area for missing screens and sand bags. informed Jorge E. of findings. was told to check the two storm inlets missing screens for debris. no debris found. left area.
9/30/2010	101480	11	Pitts/Ant Hwy.		11 Storm inlets on south side of Pittsburg/Antioch Hwy Bypass Rd. none of these locations are on the map. 5yds debris; 6 w/fish; 5 w/o fish; all bolts. At about 11:45am heading east bound had suction tubes on and boom raised moving from one storm inlet to the next, did not see tension wire running over Pitts/Ant Hwy. Ran boom into wire. Backed up unit #563 and removed tubes and called supervisor Dave Foster. Told Dave I hit the cable but did not break it. Dave told us to go around and check Columbia St for possible damage. Checked Columbia St, several locations had damage to cable.
10/1/2010	100994	8	City Wide		Storm drain clean/inspect: #1297-.25cuyd; #1304-.13cuyd; #1303-.25cuyd; #1387-.25cuyd; #1388-.25cuyd; #1374-.13cuyd.
10/1/2010	100993		Pitts/Ant Truck Bypass Rd.		Pitt/Ant Hwy Bypass; no #'s or locations on map.
10/5/2010	100992	2	E. 12th St.	2.00 yd ³	clean wash rack at cy.
10/5/2010	101873	1	Leeward Pl.		Leeward Pl - 75Ft east of east end of court. Remove concrete and debris from storm manhole #662 due to vandalism and vac out. Had service shop burn 4 holes in cover ring to reattach to concrete with anchors. Used (4) 3/8in x 5in concrete wedge anchors.
10/6/2010	101874	17	City Wide	2.91 yd ³	1371-.13cuyd; 1373-.13cuyd; 1370-.13cuyd; 1587-.13cuyd; 1369-.13cuyd; 1291-.25cuyd; 1290-.25cuyd; 1279-.13cuyd; 1361-.25cuyd; 1360-.25cuyd; 1359-.25cuyd; 1358-.25cuyd; 1356-.13cuyd; 1355-.25cuyd
10/6/2010	101876	4	City Wide	0.63 yd ³	1353-.25cuyd; 167-.25cuyd; 166-.13cuyd
10/7/2010	101877	9	City Wide	1.51 yd ³	163-.13cuyds; 3745-.5cuyds; 164-.25cuyds; 1354-.25cuyds; 1357-.25cuyds; 1346-.13cuyds
10/8/2010	101885	2	City Wide	0.26 yd ³	1518-.13cuyd; 1525-.13cuyd
10/12/2010	101887	6	City Wide	1.25 yd ³	1523-.25cuyd; 1522-.25cuyd; 1750-.25cuyd; 1751-.25cuyd; 1749-.25cuyd
10/13/2010	093571	1	Leeward Pl.		@ 100ft east of court at Leeward Place the concrete ring is concreted in place in park.
10/14/2010	101787	11	City Wide		visual inspection
10/14/2010	101855	12	City Wide		storm inlet visual inspect @ 650 W. 10th St S. side, W. 10th St 200' W. of Beacon St S. side- (1742), 453 W. 10th St S. side, 309 W. 10th St S. side- (61) & N. side, 405 W. 10th St N. side- (47), 438 W. 10th St N. side- (41), 461 W. 10th St N. side- all do not have fish decals
10/14/2010	101784	18	City Wide		visually inspect storm inlets: 2199, 2225, 2176, 2178, 2179, 2177, 2174, 2175, 2172, 2173, 2171, 2170, 3224, 3223, 2196, 2182, 2181, 2180.
10/14/2010	101783	18	City Wide		visually inspect inlets: 1991, 2219, 2218, 2228, 2211, 2359, 2210, 2209, 2208, 2200, 2206, 2205, 2357, 2356, 2203, 2204, 2355, 2207

10/18/2010	101854	1	Seasons Dr.	0.13 yd ³	#2201-.13cuyds
10/18/2010	101785	18	City Wide	2.32 yd ³	#1991-.25cuyd; #2219-.13cuyd; #2218-.13cuyd; #2211-.13cuyd; 2209-.13cuyd; #2208-.13cuyd; #2206-.13cuyd; #2357-.13cuyd; #2356-.25cuyd; #2203-.13cuyd; #2204-.13cuyd; #2207-.13cuyd; #2199-.13cuyd; #2225-.13cuyd; #2176-.13cuyd; #2178-.13cuyd Note: Car over #2205 & #2355-could not clean; #2207-cover needs repair (concrete)-repaired 10/18/10
10/18/2010	101786	18	City Wide	2.81 yd ³	#2179-.13cuyd; #2177-.25cuyd; #2174-.13cuyds; #2172-.13cuyd; #2173-.25cuyd; #2171-.25; #3224-.25cuyd; #3223-.13cuyd; #2196-.13cuyd; #2182-.13cuyd; #2181-.25cuyd; #2180-.13cuyd; #2195-.13cuyd; #2194-.13cuyd; #2197-.13; #2198-.13cuyd; #2202-.13cuyd. Note: #2170-car over inlet could not clean
10/20/2010	101859	3	City Wide	0.63 yd ³	clean/inspect inlets
10/21/2010	101781	18	City Wide		
10/21/2010	101782	3	City Wide		2 Bayside Dr East & West side; Bayside Dr 50ft south of River Park Dr on west side
10/25/2010	101777	18	City Wide		Inspect and locate clean or dirty storm drains.
10/28/2010	101772	18	City Wide		inspect and document clean or dirty drains
10/28/2010	101773	8	City Wide		inspect and document clean or dirty drains.
10/29/2010	101834	17	City Wide		inspect and document clean or dirty storm drains
11/1/2010	101817	10	City Wide	0.26 yd ³	storm inlet clean/inspect. #1071-.13cuyd; #1070-.13cuyd
11/1/2010	101833	18	City Wide	2.14 yd ³	#1173-1cuyd; #1169-.25cuyd; #1234-.13cuyd; #1233-.25cuyd; #2186-.13cuyd; #2193-.13cuyd;
11/3/2010	101832	18	City Wide	2.65 yd ³	#2103-.13cuyd; #2104-.13cuyd; #2094-.13cuyd; #2102-.13cuyd; #2101-.13cuyd; #2100-.25cuyd; #2098-.25cuyd; #2099-.25cuyd; No#-.25cuyd; #2096-.25cuyd; #2092-.25cuyd; #2090-.5cuyd
11/3/2010	101818	18	City Wide	2.39 yd ³	Storm inlet clean and inspect. #1930, concrete dumped into inlet @12", broke up concrete and remove, took about 1.25 hours at this location; #1742-no tabs on steel frame to bolt down storm inlet cover and .13cuyd. No#-.13cuyd; No#-.13cuyd, #42-.25cuyd; #1914-.25cuyd; #1915-.25cuyd; #1913-.25cuyd; #1927-.5cuyd; #1930-.25cuyd
11/5/2010	101776	15	City Wide	3.15 yd ³	#1728-.13cuyd; #1727-.13cuyd; #1726-.25cuyd; #2062-.25cuyd; #2059-.5cuyd; #2058-.25cuyd; #2057-.5cuyd; #2056-.13cuyd; #2055-.25cuyd; #2054-.25cuyd; #2050-.13cuyd; #3442-.13cuyd; #3450-.25cuyd
11/5/2010	101819	4	City Wide		
11/6/2010	102942	1	Atlantic Ave.		Id storm drain flow system for Contra Costa County Hazmat due to a diesel spill in private property. Spill was contained inside private property. Did not reach public storm drain system. Hazmat was called and a private company to fully clean debris. #101106-01
11/7/2010	102944	1	Atlantic Ave.		check storm drain system (private) for possible diesel contamination. no problem was found.
11/9/2010	101820	5	City Wide	0.26 yd ³	storm inlet clean and inspect. #1504-.13cuyd; #3495-.13cuyd
11/15/2010	101829	18	City Wide		inspect storm inlets
11/15/2010	101826	18	City Wide		storm inlet inspection
11/15/2010	101828	18	City Wide		storm inlet inspection
11/15/2010	101831	10	City Wide		inspect storm inlets.
11/15/2010	101822	18	City Wide		storm inlet inspection
11/15/2010	101862	18	City Wide		storm inlet inspection
11/17/2010	101821	4	City Wide	0.76 yd ³	clean storm inlet: #56-.25cuyd; #57-.13cuyd; #1734-.13cuyd; Herb White Way and W. 8th St SWC not on map-.25cuyd
11/17/2010	101823	1	City Wide	0.25 yd ³	clean inlet: #1361-.25cuyd
11/20/2010	104853	6	West Blvd.	0.25 yd ³	storm drain plugged
12/7/2010	101881	13	City Wide	0.76 yd ³	Storm inlet clean/inspect. Loveridge Rd- 200sq ft south of E. Leland W.S. (SD #1393)- no fish decal
12/8/2010	101830	18	City Wide		Storm inlet clean/inspect. 2 Rio Verde Ct S.S. (SD #263)- no fish decal
12/8/2010	101882	18	City Wide		Storm inlet clean/inspect. 2998 Pilar Ridge DR (SD #270)- no fish decal, 2931 Pilar Ridge DR (SD #267)- no fish decal, 21 Beechwood Ct W.S. (SD #2435)- no fish decal
12/8/2010	101863	18	City Wide		Storm inlet clean/inspect. 38 Huntington Cir (SD #1070)- no fish decal, 2105 Dover Way (SD #1054)- no fish decal, Frontage Rd & Dover Way S.S. (SD #1052)- no fish decal
12/8/2010	101865	18	City Wide	0.13 yd ³	Storm inlet clean/inspect. 309 W. 10th ST & West St SEC (SD #61)- no fish decal, West St & W. 10th ST SWC (SD #62)- no fish decal, 309 W. 10th St & West St NS- SD # not on map & no fish decal, West ST 50'

12/8/2010	101864	18	City Wide	0.91 yd ³	north of 10th ST WS (SD #66)- no fish decal, WEst ST 50' north of 10th ST ES- SD # not on map & fish decal, 290 W. 10th St- SD # not on map Storm inlet clean/inspect. Frontage Rd & Chelsea Way 50yds east of this location (SD #1061)- no fish decal, 141 Arlington DR (SD #1062)- no fish decal
12/9/2010	101866	18	City Wide	2.27 yd ³	storm drain inlet clean up. #78-.13cuyd; #76-.13cuyd; #74-.25cuyd; #71-.25cuyd; #72-.25cuyd; #1738-.25cuyd; #66-.25cuyd; #65-.13cuyd; No#-.25cuyd; No#-.13cuyd; No#-.25cuyd
12/10/2010	101870	10	City Wide	1.54 yd ³	storm inlet clean/inspect; #1731-.13cuyd; #572-.13cuyd; #571-.13cuyd; #582-.13cuyd; #584-.25cuyd; #590-.25cuyd; #585-.13cuyd; #594-.13cuyd; #594-.13cuyd; #575-.13cuyd; #574-.13cuyd
12/13/2010	107823	70	City Wide		storm inlet inspection
12/14/2010	107825	6	City Wide		storm inlet inspection
12/17/2010	107828	70	City Wide	3.00 yd ³	clean tops of storm inlets
12/17/2010	107379	12	City Wide	2.00 yd ³	Leaf Removal on W Leland Rd and E Leland Rd from San Marco Blvd to Delta Fair Blvd.
12/19/2010	107887	1	W. Leland Rd.		unblock drain
12/20/2010	107382	31	City Wide	5.00 yd ³	removed leaves from atop storm inlets
12/20/2010	105560	13	City Wide	1.81 yd ³	storm inlet cleaning: \$1808-.13cuyd; #1793-.13cuyd; #1725-.13cuyd; #1785-.25cuyd; #893-.13cuyd; #892-.13cuyd; #891-.13cuyd; #890-.13cuyd; #323-.13cuyd; #322-.13cuyd; #321-.13cuyd; #300-.13cuyd; #326-.13cuyd
12/21/2010	105558	10	City Wide	2.01 yd ³	clean storm inlets: #1787-.25cuyd; #1790-.25cuyd; #1789-.25cuyd; #1791-.25cuyd; #1786-.13cuyd; #1797-.25cuyd; #3160-.25cuyd; #3159-.25cuyd; #1792-.13cuyd
12/23/2010	105442	18	City Wide	5.06 yd ³	clean/inspect storm inlet: #2909-.13cuyd; #2917-.13cuyd; #2918-.13cuyd; #2080-.25cuyd; #2920-.25cuyd; #2915-.13cuyd; #2927-.13cuyd; #2925-.13cuyd; #2926-.25cuyd; #2930-.13cuyd; #2932-.13cuyd; #2934-.25cuyd; #1848-.13cuyd; #1938-.13cuyd; #2937-.13cuyd; #2910-.13cuyd; #2079-2.5cuyd
12/29/2010	105437	8	City Wide	2.52 yd ³	storm drain cleaning: No#-1cuyd; #3159-.5cuyd; #3161-.25cuyd; #3162-.13cuyd; #3156-.25cuyd; #3154-.13cuyd; #1719-.13cuyd; #1862-.13cuyd
12/30/2010	105382	18	City Wide	1.42 yd ³	storm drain cleaning: #1601-.13cuyd; #1603-.13cuyd; #1608-.13cuyd; #144-.25cuyd; #403-.13cuyd; #1607-.13cuyd; #1591-.13cuyd; #1564-.13cuyd; #1565-.13cuyd; #1558-.13cuyd; - No fish decal at SD # 403
12/30/2010	105383	18	City Wide	6.16 yd ³	storm inlet cleaning: #1616-.13cuyd; #1617-.13cuyd; #1609-.13cuyd; #1612-2cuyd; #1611-1cuyd; #645-2cuyd; #1561-.13cuyd; #1596-.25cuyd; #1599-.13cuyd; #1604-.13cuyd; #1605-.13cuyd; - No fish decals at SD #'s 1617, 1618, 1599
12/30/2010	105384	18	City Wide	1.16 yd ³	storm drain cleaning: #1215-.13cuyd; #1219-.13cuyd; #1218-.13cuyd; #1220-.13cuyd; #1548-.13cuyd; #1553-.25cuyd; #1555-.13cuyd; #1615-.13cuyd
1/1/2011	108287	1	Patricia Ave.		took out roll barrier into storm drain
1/3/2011	105381	16	City Wide	3.16 yd ³	storm drain cleaning: #1547-.25cuyd; #2191-.25cuyd; #1468-.25cuyd; No#-.13cuyd; #990-.13cuyd; No#-.25cuyd; #897-.25cuyd; #2340-.25cuyd; #2334-.13cuyd; #2335-.13cuyd; #2341-.13cutd; #2516-.25cuyd; #2344-.25cuyd; #779-.13cuyd; No#-.13cuyd; No#-.25cuyd; - Frontage Rd & Abbott Ave SEC, Oak Hills Dr & W. Leland WS, 2217 Oak Hills DR ES, Oak Hills DR & W. Leland ES- SD #'s not on map
1/4/2011	105380	18	City Wide	1.16 yd ³	storm drain cleaning: #871-.13cuyd; #903-.13cuyd; #904-.13cuyd #878-.25cuyd; #876-.13acuyd; #865-.13cuyd; #866-.13cuyd; #863-.13cuyd; - No fish decals on SD #'s 879, 878, 868, 862
1/4/2011	105379	18	City Wide	0.26 yd ³	storm drain cleaning:#850-.13cuyd; #849-.13cuyd; - No fish decals on SD #'s 859, 854, 2132
1/4/2011	105377	13	City Wide	0.52 yd ³	storm drain cleaning: #838-.13cuyd; #837-.13cuyd; #824-.13cuyd; #819-.13cuyd; - No fish decal for SD #825
1/4/2011	105378	18	City Wide	0.65 yd ³	storm drain cleaning: #793-.13cuyd; #789-cuyd; #450-.13cuyd; #449-.13cuyd; #448-.13cuyd
1/10/2011	106471	1	Civic Ave.		Retrieve headphones from storm drain, removed grate of SD #3475
1/12/2011	108030	12	City Wide	8.00 yd ³	Storm inlet clean/inspect
1/13/2011	108864	13	City Wide		Storm inlet clean/inspect- San Marco Blvd & Rio Verde Dr NEC & 1801 Rosa BLanca Dr have no fish decals
1/13/2011	108865	18	City Wide		storm inlet clean/inspect
1/18/2011	108863	18	City Wide		Storm inlet clean/inspect.
1/18/2011	108897	18	City Wide		Storm inlet clean/inspect
1/18/2011	108862	18	City Wide		Storm inlet clean/inspect
1/25/2011	108882	5	City Wide		storm inlet clean/inspect

1/25/2011	108883	18	City Wide	0.88 yd ³	storm inlet clean/inspect @ E. Catamaran & Clipper Dr.SWC, 177 W. Catamaran, N. Catamaran & Helm Ct, 109 &180 Eveningstar CT, 170 Sealane Ct, 373 Morning Star Ct, 170 Northstar Dr NS- No fish decals
1/27/2011	108881	12	City Wide		Storm inlet clean/inspect. 3742 Greenbriar DR (SD #1456)- no fish decal
2/14/2011	108837	18	City Wide	2.68 yd ³	Storm inlet clean/inspect. Campbell Dr & Barrie Ct SWC (SD #1272)- no fish decal, bolts need repair; Campbell DR & Barrie Dr SEC (SD #1271)- no fish decal; 4301 Inverness DR (SD #1181)- no fish decal; St. Paul Cir & Barrie DR SWC- not on map; 4214 St. Paul Cir- bottom missing out of storm inlet
2/16/2011	110901	32	City Wide	2.50 yd ³	Storm inlet clean/inspect tops
2/17/2011	110900	46	City Wide		Storm inlet clean/inspect tops
2/17/2011	110897	4	City Wide		Remove silt screens, sand bags & bolt down covers @: 2 Brooktree Ct SD #1107, 289 Ravine DR S.S. SD #1108, Atherton Ave & Ravine DR SWC SD #1105, Atherton Ave & Ravine DR SEC SD #1106
2/17/2011	110757	2	City Wide		Opened drains at Willow Cove School & removed debris from inside drain. Cleaned drain #'s 45 (Montezuma & W. 10th St) & #660 Willow Pass & Balclutha
2/25/2011	111192	5	City Wide		storm inlet backup. All backed up w/ water- SD #'s 1785, 1725, 1721, 1786, & 1787- All backed up w/ water, not draining fast enough to storm manhole, we tried rodding from storm manhole @ Polaris & Range Rd, hose goes 30' south & no farther, lots of mud, possible pipe failure.
2/28/2011	108876	18	City Wide		Storm inlet clean/inspect
2/28/2011	108838	18	City Wide		Storm inlet clean/inspect. 1243 Jensen Dr S.S. (SD #403)- no fish decal
2/28/2011	108877	18	City Wide		Storm inlet clean/inspect.
2/28/2011	108875	18	City Wide		Storm inlet clean/inspect. 1625 Kingsly Dr S.S. (SD #1618)- no fish decal
3/2/2011	108828	8	City Wide	0.50 yd ³	Storm inlet clean/inspect. 48 Marlin Dr NS (SD #2166) & SS (SD #2167)- no fish decal, 1794 Hanlon Way (not on map)- no fish decal, Hanlon Way & Cove Way SEC (SD #2158)- no fish decal. Storm inlet #1714 @ 108 Spinnaker Dr - concrete bottom coming apart
3/3/2011	111202	1	W. Leland Rd.		set up & vactor track at SD #2548, rod & vac 55' south to SD #2547 @ 10 times to clear debris & vac. Rodded @ 50' north to blockage @ 8 times to clear debris & vac- sheet #32 on SD map
3/3/2011	111199	5	E. 10th St.	1.25 yd ³	Arrive at above location water backed up at storm inlet #2118, hooked up vac tube, removed water & debris. Rodded SW to storm #2116 & west to storm #2117. Moved truck to #2117 & vac move truck to storm #2115 & vac. Move to storm #2116 & vac, rod again NE to storm #2118 - NOTE: Storm #2118 does not connect to storm #2119 like it shows on the map, spoke to Ruth Z. #2118 is a bubble up & runs down to #2119 then goes to trunk line. All locations on sheet #17 SD map
3/3/2011	108827	14	City Wide	0.13 yd ³	storm inlet clean/inspect. 650 W. 10th ST S.S.(SD #1746)- no fish decals, W. 10th St (100' west of Beacon St S.S. SD #1742)- no fish decal & no bolts, 453 W. 10th St. (not on map)- no fish decal, 405 W. 10th St (SD #42)- no fish decal, W. 10th St & Montezuma St SEC (SD #90) & SWC (SD #46)- no fish decal, W. 10th St & Herb White Way NWC (SD #47)- no fish decal, 313 W. 10th ST (SD #61)- no fish decal, W. 10th ST & West St SEC (SD #62)- no fish decal
3/4/2011	108824	10	City Wide		Storm inlet clean/inspect
3/4/2011	108825	18	City Wide		Storm inlet clean/inspect. 172 Shoreline DR (SD #2082)- no fish decal, 115 Pelican Loop (SD #350)- no fish decal
3/4/2011	108826	18	City Wide	0.13 yd ³	Storm inlet clean/inspect. Baycrest DR & Sea Point Way SEC (SD #2089)- no fish decal. 92 Edgewater Pl S.S.- not on map
3/7/2011	108822	18	City Wide		Storm inlet clean/inspect. 456 & 457 W. 9th ST (SD #1738 & 1739)- no fish decal, 401 W. 8th ST SWC (SD #1732)- no fish decal, 391 W. 8th St (SD #57)- no fish decal, W. 8th St & Herb White Way SEC (SD #56)- no fish decal, 76, 154, & 328 W. 8th ST- SD # not on map & no fish decal, W. 8th St & Herb White Wy NEC (SD #1734)- no fish decal, Herb White Way @ W. 8th St WS (SD #1735)- no fish decal, W. 7th ST & Herb White Wy SEC (SD #572)- no fish decal
3/7/2011	108820	4	City Wide		Storm inlet clean/inspect
3/7/2011	108823	18	City Wide	0.65 yd ³	Storm inlet clean/inspect. SD #'s 77, 78, 3879, 79, 76, 74, 68, 67, 73, 69, 72, 71, 50, 93 do not have fish decals; 219 & 271 W. 9th ST- SD #'s not on map, no fish decals; 473 & 405 W. 8th St NS- SD #'s not on map, no fish decals & 473 is full of water.
3/7/2011	108821	18	City Wide		Storm inlet clean/inspect
3/8/2011	108816	18	City Wide		Storm inlet clean/inspect. 1417 Bobo Ct north end (SD #1903)- no fish decal, Gladstone Dr @ Simpson Ct NWC (SD #1949)- no fish decal, Gladstone Dr @ E. Leland Rd SWC (SD #1946)- no fish decal
3/8/2011	108817	18	City Wide	0.25 yd ³	Storm inlet clean/inspect. E. 4th ST 30' west of Railroad Ave NS- not on map, E. 4th ST 10' west of Railroad Ave SS- not on map, E. 4th ST & Marina Blvd SEC- not on map & no fish decal, 506 Black Diamond Blvd- not on map; 595 Scudero Cir (SD #125)- no fish decal

3/8/2011	108819	18	City Wide	0.26 yd ³	Storm inlet clean/inspect.
3/8/2011	108818	18	City Wide	1.27 yd ³	Storm inlet clean/inspect. 231 & 223 Pebble Beach Loop (SD #2935 & 2912)- no fish decal, Railroad Ave @ E. 5th St in center of street (SD #3699)- no fish decal; E. 5th ST & Railroad Ave @ 10' west of #2072- SD # not on map
3/9/2011	108834	18	City Wide		Storm inlet clean/inspect. 3742 & 3749 Greenbriar Dr (SD #1456 & 1455)- no fish decal, 40 Meadowbrook Cir (SD #1974)- no fish decal, 150yds west of inlet #1974 (SD #343)- no fish decal
3/9/2011	108830	18	City Wide	0.13 yd ³	Storm inlet clean/inspect. 725 & 722 Ventura Dr (SD #1632 & 1633)- no bolts & have drop in lids, 722 has no fish decal; Ventura Dr & Harbor ST NEC & SEC (SD #2192 & 2191)- no fish decal, 3810 Harbor ST (SD #2190)- no fish decal
3/9/2011	108831	18	City Wide		Storm inlet clean/inspect. 3906 Meadowbrook Cir (SD #1446)- no fish decal, 1052 Stoneman Ave - SD # not on map
3/9/2011	108896	10	City Wide		Storm inlet clean/inspect. 3844 Los Altos Pl (SD #1622) - no bolts, drop in lid, Los Altos Pl & Santa Ana Dr SEC & NEC (SD #1621 & 1623)- no bolts, drop in lid; Loveridge Rd & Stoneman Ave SEC (SD #1420)- no fish decal
3/10/2011	109685	18	City Wide	0.13 yd ³	Storm inlet clean/inspect. Limewood Pl & Heatherwood Dr NWC (SD #1930)- no fish decal, 1898 HEatherwood DR (SD #1931)- no fish decal
3/10/2011	109684	18	City Wide		Storm inlet clean/inspect. 1564 Limewood Pl (SD #1917)- no fish decal, 1569 Limewood Pl (SD #1916)- no fish decal
3/10/2011	109682	18	City Wide		Storm inlet clean/inspect. 4445 Mira Loma DR (SD #642)- no fish decal, 228 Millbrook Dr (SD #643)- no fish decal. 34, 58, 66, & 70 Plum Tree Ct- SD #'s not on map
3/10/2011	109683	18	City Wide		Storm inlet clean/inspect. 154 Rangewood Dr (SD #748)- no fish decal
3/14/2011	109680	18	City Wide		storm inlet clean/inspect
3/14/2011	109681	18	City Wide		storm drain clean/inspect
3/15/2011	109679	18	City Wide		Storm inlet clean/inspect
3/15/2011	109678	18	City Wide	0.25 yd ³	Storm inlet clean/inspect. 1419 Jensen Dr N.S.- no fish decal, Jensen Dr & Palo Verde Dr (far north end of Palo Verde)- no fish decal
3/15/2011	109677	17	City Wide	0.13 yd ³	Storm inlet clean/inspect. Bryce Ave & Apple Pl- no fish decal; far south end of Hillview Dr- no fish decal & drop in lid
3/16/2011	109621	18	City Wide	0.51 yd ³	storm inlet clean/inspect- 2105 Dover Way does not have a fish decal & 2101 Seagull Ct needs bolts repaired, unable to bolt down
3/16/2011	108874	18	City Wide	0.38 yd ³	storm inlet clean/inspect- 826 Wedgewood DR, 861 Carpetta Cir, 841 Carpetta Cir, & @ Carpetta Cir & Cerrito Ct SEC there are no fish decals.
3/16/2011	108873	10	City Wide		storm inlet clean/inspect
3/17/2011	105374	18	City Wide	0.65 yd ³	storm inlet clean/inspect
3/17/2011	105436	18	City Wide		storm inlet clean/inspect
3/17/2011	108872	18	City Wide	0.52 yd ³	storm inlet clean/inspect- at 2175 Ackerman Dr & 2122 Impala Ct there are no fish decals
3/20/2011	107313	1	E. Leland Rd.		Check storm drain; found no problem; mud was on street which caused the road to look as if it was flooded.
3/21/2011	111346	50	City Wide	0.50 yd ³	storm inlet inspection
3/23/2011	111344	60	City Wide	3.50 yd ³	storm inlet inspection
3/24/2011	111345	26	City Wide	0.50 yd ³	clean tops of storm inlets
3/28/2011	109619	18	City Wide	0.39 yd ³	#90-.13cuyd; #45-.13cuyd; #62-.13cuyd NOT ON MAP: 650 W. 10th St SS; 566 W. 10th St SS; 453 W. 10th St
3/28/2011	109620	18	City Wide	0.13 yd ³	#1728-.13cuyd
3/29/2011	112268	1	City Wide		inspect storm inlets south of Buchanan Rd from Meadows Ave west to Heights Ave. All inlets (none found dirty) per christy. no inlets required.
4/4/2011	107467	63	City Wide	0.50 yd ³	storm drain inspection
4/6/2011	110206	39	City Wide	0.25 yd ³	storm drain inspection
4/7/2011	110207	64	City Wide	0.25 yd ³	Storm Drain Inspection.
4/8/2011	107160	70	City Wide	0.50 yd ³	Storm Drain Inspection
4/11/2011	107161	64	City Wide	0.25 yd ³	storm drain inspection
4/12/2011	107162	66	City Wide		storm drain inspection
4/13/2011	111933	68	City Wide	0.50 yd ³	storm drain inspections
4/18/2011	111940	51	City Wide	0.25 yd ³	storm drain inspections
4/19/2011	111991	69	City Wide	0.25 yd ³	inspect storm drains
4/20/2011	111258	2	Santa Rita Dr.		Storm drain #289 has standing water. Vacuumed it east to storm drain #290. a total of 25ft east. no debris or trash.
4/20/2011	114123	40	City Wide		storm drain inspections

4/22/2011	114122	40	City Wide	0.50 yd ³	Storm Drain Inspection; #2376-needs bolts; #2390-needs bolts; #2380-needs bolts; #2396-no decal; #2408-needs bolts; #2312-needs bolts; #2309-no decal
4/25/2011	114120	26	City Wide		storm drain inspection
4/25/2011	114121	40	City Wide	0.25 yd ³	storm drain inspection
4/26/2011	114119	40	City Wide		storm drain inspections
4/26/2011	114118	30	City Wide		
4/27/2011	114117	40	City Wide	0.25 yd ³	#1024-#1026-#1029-#1034-#1038 no bolts
4/27/2011	113590	1	Frontage Rd.		drained water from open drain to CCTV line
4/27/2011	114116	28	City Wide		storm drain inspection
4/28/2011	114115	40	City Wide	0.25 yd ³	storm drain inspection
4/28/2011	114114	23	City Wide		storm drain inspection
4/28/2011	113589	1	Frontage Rd.		drained water from open drain to CCTV line
4/29/2011	114113	40	City Wide	0.25 yd ³	storm drain inspection
4/29/2011	114112	8	City Wide		storm drain inspection
5/2/2011	114134	4	City Wide	0.50 yd ³	storm drain inspection
5/5/2011	114175	40	City Wide	0.25 yd ³	storm drain inspection
5/5/2011	112467	1	Chapparral Dr.		pulled out 2 batteries out of storm drain that resident called in
5/5/2011	114174	20	City Wide		storm drain inspection
5/6/2011	114185	20	City Wide		storm drain inspect
5/11/2011	114125	2	Railroad Ave.		cleaned out 2 storm drains and check for repairs that will need to be done to them. #1687-no bolts; grate needs repair. #1685-no bolts; grate needs repair; concrete damage.
5/12/2011	111194	1	Carion Ct.		cover open end of storm drain for safety prior to repairs and barricaded. storm drain not on map.
5/12/2011	114133	8	City Wide		storm drain inspection
5/12/2011	114173	40	City Wide	0.25 yd ³	storm drain inspection
5/13/2011	114124	13	City Wide		storm drain inspection
5/13/2011	114132	40	City Wide	0.25 yd ³	storm drain inspection
5/16/2011	115432	1	Carion Ct.		formed wall and poured concrete to repair damaged drain box. 3sqft of concrete used
5/17/2011	114183	40	City Wide		storm drain inspection; #1724 - no bolts
5/17/2011	114182	40	City Wide		storm drain inspections
5/17/2011	114184	40	City Wide		storm drain inspection: #1717-no bolts; #2365-no bolts; #1801-no bolts; #1806-no bolts; #1804-no bolts; #2366-no bolts; #2167-no bolts
5/18/2011	114144	40	City Wide		Storm Drain Inspection/Clean-up.
5/18/2011	114172	6	City Wide		Storm Drain Inspection/Clean-up
5/25/2011	114166	22	City Wide		Storm Drain insp clean up- 1960- no fish decal, 1195 no fish decal, 1193 no fish decal, 1956 no bolts, 1957 no bolts, 1961 no bolts, 1960 no bolts, 1958 no bolts
5/25/2011	114165	40	City Wide		storm drain insp/clean up- 1420 no fish decal, 1237 no fish decal, 1398 no fish decal, 1401 no fish decal, 1400 no fish decal, 1849 no fish decal
5/26/2011	114138	32	City Wide		storm drain insp/clean up- 248 no fish decal, 2613 no fish decal, 1765 no fish decal, 1766 no fish decal, 2158 no fish decal
5/26/2011	114140	40	City Wide		storm drain insp/clean up- 232 no fish decal, 237 no fish decal, 281 no fish decal, 230 no fish decal, 229 no fish decal, 246 no fish decal, 254 no fish decal
5/26/2011	114139	40	City Wide		strom drain insp/clean up- 2490 no fish decal, 289 no fish decal, 290 no fish decal, 267 no fish decal
6/1/2011	095816	1	Dover Way		Met with George, to show him location and demonstrate water sample, also spoke with resident to tell them what we did. Storm drain #1069
6/6/2011	115883	1	E. 17th St.		STorm inlet #1685, presite inspection for storm drain repair, traffic control plan in working location loaded 525 with delineators.
6/7/2011	100133	3	Railroad Ave.		Vacuumed and rodded storm drain #1685, 1687, & 1844 to remove dirt so repairs could be made.
6/7/2011	116067	2	E. 17th St.		Storm inlet #'s 1685 Railroad 1687 E. 17th St- Set up traffic control broke out A/C at SD #1685 located problem, took pictures, confirmed w/ Jorge E. RE: Installing 15" SDR pipe inside old line for repair taped seam & covered w/ plastic 2nd location, SD #1687 removed steel plate in front of SD grate (2) 12" lines going to storm drain, MH installed 10" SDR 90 degree & section of pipe to drop line direct into storm inlet installed forms poured concrete in front section of box over 10" 90 to complete, covered w/ 4x8 steel plate. Poured voncreeet over repair at SE #1685, left concret 3" below grade for new A/C. covered w/ 8x12 steel plate & cutback both,

6/8/2011	114136	5	City Wide	3.00 yd ³	removed traffic control, unloaded trucks. SD #'s 1417- very heavy; in roots, dirt, leaves, rocks; #1303 Little leaves 740 Garcia Ave, #1304 Little leaves 740 Garica Ave, #1193 2227 Lynbrook Dr little leaves; #1190 2207 Lynbrook Dr= 3 yds debris
6/8/2011	116176	5	E. 12th St.	2.00 yd ³	Cleaning all 5 storm drains inside corp yard, very heavy mud & rocks- total of 2cu yds debris
6/10/2011	114162	35	City Wide		Storm drain inspections- SD #2921, 2080, 2930, 1847, 2079, 3022, 1859, 2014, 1782, & 1783 do not have fish decals; SD #'s 2079, 3022, 2014, & 1783 do not have bolts
6/13/2011	114161	40	City Wide		Inspections
6/13/2011	114167	40	City Wide		#'s 857, 854, 827, & 825 don't have fish decals
6/13/2011	114154	40	City Wide		storm drain inspection- #'s 2740, 2741, 2748, 2744, 2746, 2745- don't have fish decals; #'s 2860, 2659, 2660, 2658, 2661, 2662, 2663, 2664, 2665, 2729, 2719, 2720, 2740, 2741, 2743, 2744, 2749, 2746, 2745, 2694, 2695- don't have bolts
6/13/2011	114146	40	City Wide		#'s 2340, 2442, 2314, 2435, 2324, 2325, 2328, 879, 878, 872, 868, 862, 859- no fish decals; #'s 2443, 2318, 2315- no bolts; #2325- needs grate repair
6/13/2011	114155	40	City Wide		#2691 has no bolts
6/13/2011	114160	3	City Wide		Inspections
6/14/2011	114158	8	City Wide		Inspections
6/14/2011	114151	40	City Wide		Inspections
6/14/2011	114152	40	City Wide		Inspections
6/14/2011	114170	40	City Wide		Inspections
6/14/2011	114159	40	City Wide		Inspections
6/15/2011	114148	40	City Wide		Inspections
6/15/2011	114150	23	City Wide		Inspections
6/15/2011	115749	1	Kirker Pass Rd.		Found a storm drain that is not on map located on Kiker Pass Rd 200' S of Pheasant Dr on westside. Cleaned off cover and opened it up. All clean inside, will leave secure for tv crew to come in.
6/16/2011	114137	40	City Wide		Inspections
6/16/2011	114143	40	City Wide		Inspections
6/16/2011	116195	2	Polaris Dr.	1.00 yd ³	Cleaned debris from storm drain- 1yd of debris
6/16/2011	114149	17	City Wide		Inspections
6/20/2011	114951	40	City Wide		Inspections
6/20/2011	114157	40	City Wide		Inspections
6/20/2011	114945	7	City Wide		Inspections:
6/20/2011	114156	40	City Wide		Inspections
6/20/2011	114141	40	City Wide		Inspections
6/23/2011	114949	40	City Wide		Storm drains inspection.
6/23/2011	114950	40	City Wide		Storm drain inspection.
6/23/2011	114942	39	City Wide		Storm drains inspection.
6/23/2011	114948	6	City Wide		Storm drains inspection.
6/23/2011	114110	1	Sunpeak Dr.		S.D. #803 checked 24" line running north of this location for damage. (Under sidewalk.) (None found.)
6/29/2011	117534	1	Mondana Pl.		Cleaned out stormbox #1407. bottom of box is gone. only part of box floor is there. let foreman know its not there.
6/29/2011	117533	1	Range Rd.		ran storm box wouthwest approx. 70ft x 10 times. pulled out debris and rocks. line is clean. box #1718.
7/14/2011	114931	20	City Wide		#1115 Broken bolts head #1114 Broken bolts head #2280 Hole offset- 2156 Jacqueline Dr. #1099 52 Oxford Ct Broken bolts & no fish decal #1102 42 Orinda Ct broken bolts #1083 No bolts needs repair #1482 No bolts needs repair #1122 broken bolts & no fish decal #1175 No fish decal & no bolts
7/15/2011	114930	20	City Wide		#1060 5 Alta Ct- Broken Bolt 2 Pacini #107 Castlewood broken bolt #1227 Broken bolt @ 100 Versailles Pl #2185 Broken Bolt @ 4101 Crestview #1150 Broken Bolt @ 291 Kingsbury Pl #1145 Broken bolt @ 3543 Crestview

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7/18/2011	114935	40	City Wide	#983 Broken bolt @ 3707 Gladstone DR #1052 No fish decal #1053 No fish decal Storm drain cleaning inspection-
7/18/2011	114936	40	City Wide	storm drain cleaning/inspection
7/18/2011	114937	40	City Wide	Storm drain cleaning & inspection- 2625, 2607, 2663, 2658, 2659, & 2859 no bolts
7/18/2011	114934	39	City Wide	Storm drain cleaning/inspection- 2746, 2708 have no fish decals & 2851k, 2852, 2853, 2850, 2846, 2847, 2848, 2849, 2842, 2843, 2844, 2845, 2809, 2810, 2811, 2812, 2813, 2814, 2815, 2825, 2826, 2823, 2824, 2819, 2820, 2818, 2819, 2820, 2818, 2821, 2822, 2816, 2817, 2746, 2747, 2708, & 2879- have no bolts
7/19/2011	111573	1	Mondana Pl.	1440 Mondana Pl. has a hole in the bottom of a storm drain basin. Had to vacuum out rock dirt & other debris. also water that was in two holes in the bottom of the basin. Then filled around the walls & slope everything so it would go in & down the drain.
7/20/2011	114943	10	City Wide	#1371 @ 980 Garcia broken bolt #s 170-171-172-1289- no fish decals
7/22/2011	114179	12	City Wide	Storm drain maintenance #1465 has no fish decal
7/26/2011	116182	1	Bending Willow Way	Homeowner dropped keys down strom drain, opened and retrieved them. Storm inlet #3136
7/26/2011	114924	10	City Wide	storm drain maintenance # 743 has no fish decal
7/27/2011	114929	4	City Wide	66, 58, 34, & 70 Plum Tree Ct have no numbers
7/28/2011	114928	13	City Wide	#s 747 @ 150 Rangewood Dr, 748 @ 154 RAngewood Dr, 1603 @ 4318 Palo Verde Dr, 1597 @ 1309 Jensen Dr, 1592 @ 1180 Jensen Dr- ALL HAVE BROKEN BOLTS #1593 @ 1189 Jensen Dr - STORM DRAIN IS OFF SET #s 748 & 610- NO FISH DECALS
7/29/2011	114927	8	City Wide	#1591@ 906 Jensen Cir, #1592 @ 1180 Jensen Cir, #1593 @ 189 Jensen Cir- ALL HAVE BROKEN BOLTS
8/4/2011	119185	3	Santa Rita Dr.	Ran storm drain from MH #288 to box #289 to box #290 at address 1806 Santa Rita Dr. Vactor'd lines while running them. Lines all good, no smell.

Total UOP: 6894 Cu Yds of Debris: 200.07

KIDS for the BAY
Watershed Action Program
City of Pittsburg
Interim Report – March 31, 2011

KIDS for the BAY (KftB) is providing the Watershed Action Program to fifteen third, fourth, and fifth grade classes throughout Contra Costa County in the 2010-11 school year, reaching fifteen teachers and over 550 students. The program is now underway, and we are thrilled to report that students and teachers are embracing hands-on activities and experiments which engage them with their local watershed and inspire them to take action as environmental stewards.

In the City of Pittsburg, two teachers and fifty students are participating in the Watershed Action Program this school year through funding from the City of Pittsburg and the Contra Costa Clean Water Program. Classroom lessons are underway in Ms. Alice Lester and Ms. Hue Phan-Le's third grade classes at Willow Cove Elementary School. Both classes are currently planning for their action projects which will take place in the spring. Field trips for the two classes will take place at the Martinez Shoreline in April.

Classroom Lesson Highlights

Teachers and Students Enthusiastically Embrace Program

Willow Cove Elementary School is located in West Pittsburg, in close proximity to the delta and just blocks away from Willow Creek. The location of the school provides the perfect opportunity for students to learn about their local watershed and its connection with the nearby delta. Third grade teachers Ms. Lester and Ms. Phan-Le embraced the opportunity to have the Watershed Action Program (WAP) in their classrooms this school year. "We have so much that is required of us to teach, mostly math and writing, that when we have an opportunity like KIDS for the BAY we make sure to grab it," commented Ms. Phan-Le. "The students need fun, hands-on science learning especially if it is focused on where they live," she added.

The enthusiasm of the teachers for the WAP was equally matched by all fifty third grade students. They took their role as scientists seriously, rigorously engaged in the subject material, and asked many excellent questions relating to the topics being discussed in class. After conducting an experiment to discover which was denser, fresh water or salt water, Sergio, a student in Ms. Lester's class asked, "How did the salt first get in the oceans?" Students also absorbed and retained key concepts throughout the classroom lessons. For example, many children in both classes immediately understood how an estuary is formed by creating and observing models of the San Francisco Bay, and remembered the definition weeks after learning the concept in the first classroom lesson. Furthermore, third grade student Jasmine showed KftB Instructor Deborah Zierten where she found the word "estuary" in the dictionary while completing a different assignment.

Students Moved to Take Action to Protect Their Environment

Ms. Phan-Le's students were excited to learn they were part of a watershed and were eager to learn how to keep their watershed clean. Ms. Zierden explained how water and pollution can travel through storm drains into local waterways. Students were familiar with what a storm drain looked like but were previously unaware of what it was called. The students' curiosity was piqued while learning the differences between the storm drain and the sewer systems and specifically how the sewer system worked. "How long does our toilet water take to get cleaned," asked one student, Emmanuel. "When we take a shower, how does the soap get cleaned before it goes into the bay? Does it just disappear?" asked another curious third grader, Jovany.

The WAP allowed students to understand how their personal actions can affect the health of their environment. During a discussion about pollution and how it can enter the storm drain system, Ms. Lester shared with her class something that happened at their school just a few days earlier: "I noticed that people were cleaning out a storm drain in the front of the school and saw them pulling lots of paper out of the drain," she said. "Where do you think all that paper came from?" she then asked the class. The students explained that much of the paper was probably discarded by students at Willow Cove Elementary and washed down the nearby storm drain.

All fifty third graders had an opportunity to prevent paper and other garbage from entering the storm drain system during a school yard survey and clean-up activity. Both classes stayed within the school grounds to conduct their survey and still picked up close to nine pounds of trash. "Wow, I have never seen students so excited to pick up garbage," commented Ms. Phan-Le. "I should get tongs and we can do this every week," she added. During the thirty minute clean-up, students worked in pairs to record and collect the different types of garbage they encountered. They also identified many storm drains on the school playground and clearly saw how garbage can easily enter them. The students were surprised and dismayed with the amount of garbage they found. "I don't understand why so many people pollute this earth," said a student, Lesley. "I'm going to make sure to tell other students not to throw their chip bags on the ground," added another student, Zippara.

Once the third graders at Willow Cove Elementary were equipped with the knowledge of how to prevent storm drain pollution, they were encouraged to share their knowledge by completing a Storm Drain Pollution Interview with a family member. During the third classroom lesson, the students shared their experiences interviewing their families. "My mom and dad didn't know any of the questions and I told them what a watershed was," shared a student in Ms. Lester's class, Brianna. "My mom didn't know what the difference between the storm drain system and the sewer system was. I told her that water in the sewer system is cleaned, but not in the storm drain system," shared another student, Heather. Students in Ms. Phan-Le's class shared the following pledges they made with their families to prevent storm drain pollution: "We pledge to tell family and friends to keep the environment clean!" "I will never ever cause pollution in the storm drains!" and "My dad and I will stop anyone we see polluting in the storm drains."

Action Projects

Once each class completes the five classroom lessons of the Watershed Action Program, the students and teacher work together to choose and complete an action project. Action projects allow students and teachers to take action to address relevant environmental concerns in their community. With the assistance of Ms. Zierten, teachers and their students will collaboratively choose a project together. Ms. Zierten will facilitate the completion of the project.

Field Trips

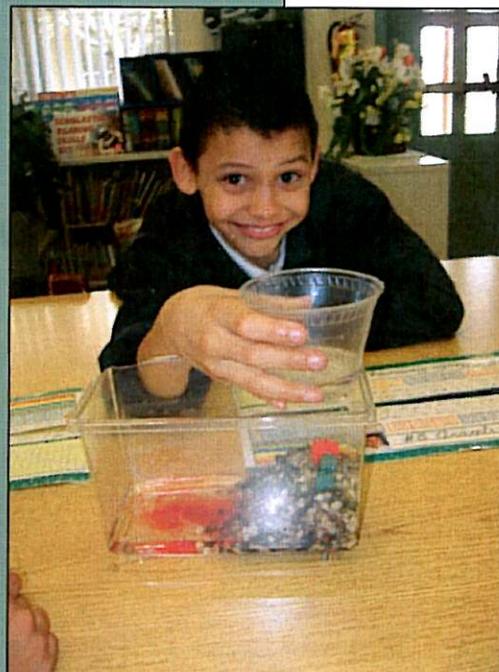
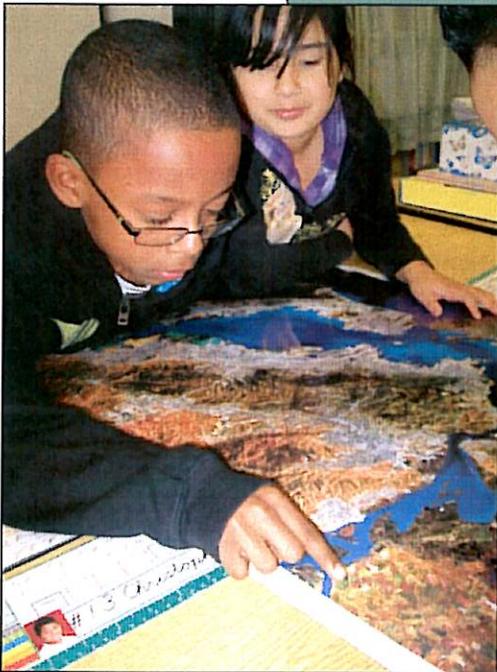
In April Ms. Zierten and KIDS for the BAY staff will lead a field trip to the Martinez Shoreline with both classes at Willow Cove Elementary. There, students will investigate the bay shoreline habitat and use scientific equipment to study local organisms, geography and ecological processes.

Academic Credit Program

This year four teachers in Contra Costa County are participating in our Academic Credit Program through a partnership between KIDS for the BAY and California State University East Bay (CSUEB). Participating teachers complete extra activities and written assignments in order to receive four units of professional level academic credit. Although teachers from Pittsburg are not participating this school year, it is an important service to continue offering to teachers each year.

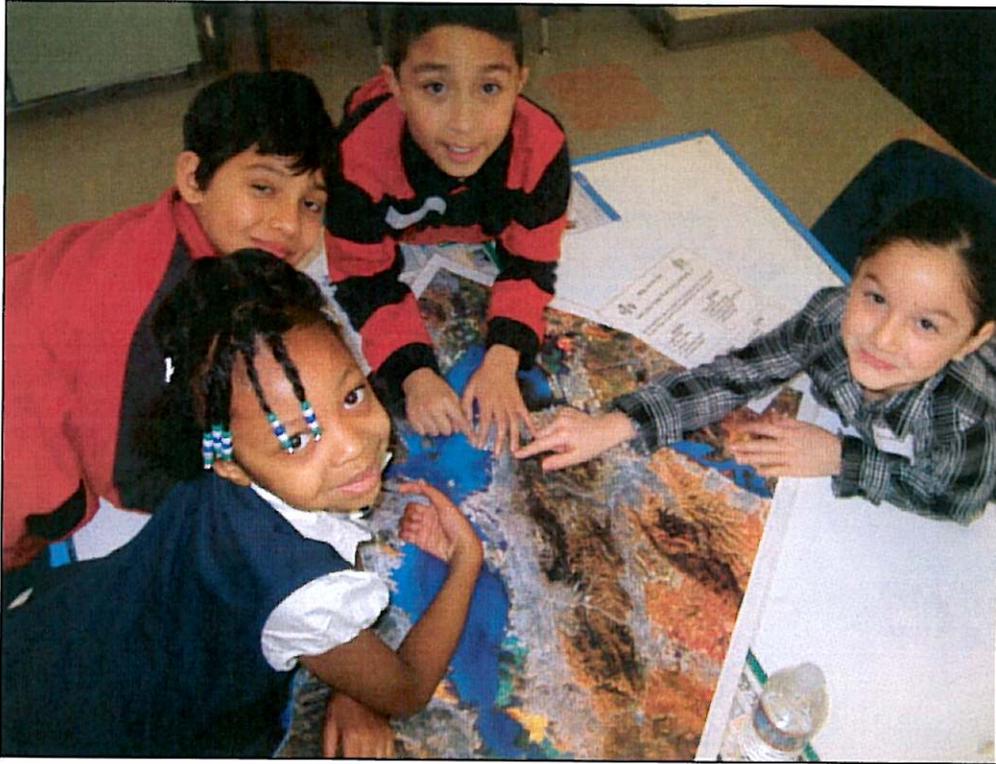


Watershed Action Program



KIDS for the BAY
City of Pittsburgh
Classroom Lesson Highlights
2010-2011 School Year

Lesson One: Our Watershed



Students at Willow Cove Elementary School in Pittsburg studied local geography and identified Bay Area landmarks during a satellite map study activity.

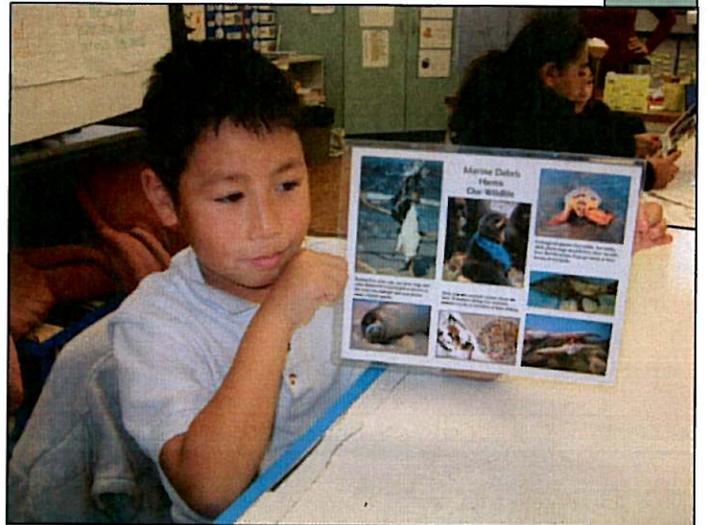


Students conducted an experiment to determine the relative densities of fresh water and salt water.



These third graders showed off their three-dimensional clay model of the San Francisco Bay Estuary.

Lesson Two: Taking Action for a Healthy Watershed



Students identified at least ten examples of urban runoff pollution and learned how garbage harms marine animals.

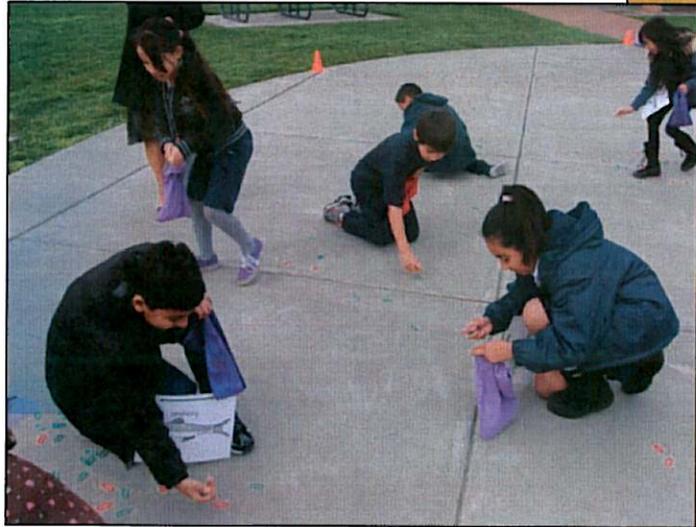


The classes ventured around their school campus to identify storm drains and collect garbage that could enter Willow Creek, and eventually wash into the delta.



Thanks for keeping
Willow Creek clean!

Lesson Three: Watershed Environmental Health and Food Chains



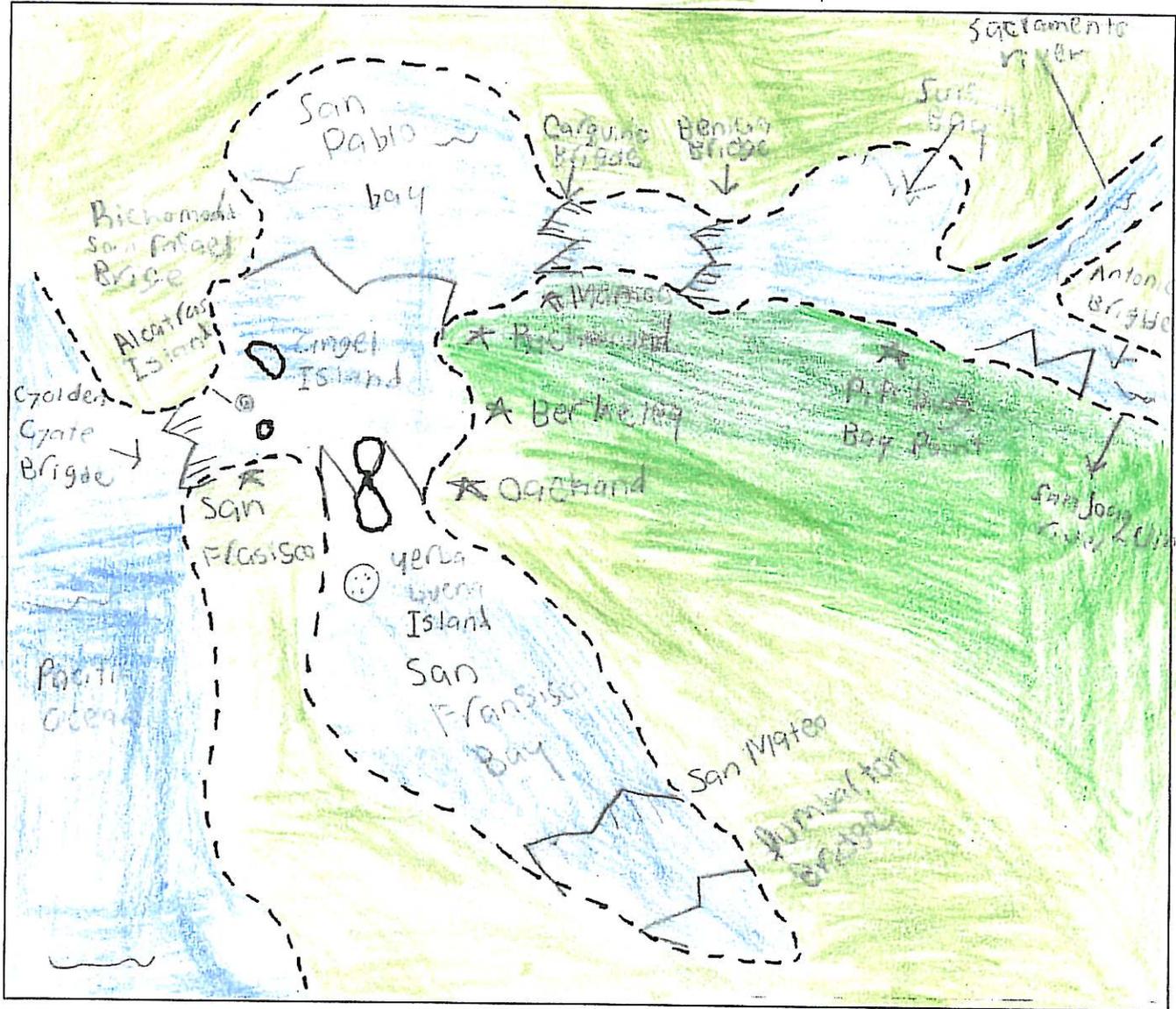
Willow Cove Elementary students played the Food Chain Game which demonstrated how energy and pollution moves through the food chain and collects in top predators such as people.



Partners worked together to learn about the Environmental Justice Leader César Chávez, and his work to ban the use of harmful pesticides.

KIDS for the BAY

1. Draw your watershed model and label the features.



2. Explain how water flows into the Bay to make it an estuary.

An estuary is made by fresh water and salt water mixing together and going to the ocean.

Name of student: Jasmine Name of family member: Dad

KIDS for the BAY

Storm Drain Pollution Interview

Introduction: Ask a member of your family to sit down and talk with you about something important you have been learning in school.

Show your family member the picture on the back of this sheet. Explain what the picture shows. Let your family member know that you will be writing down their answers to some questions you are about to ask them.

1. What is a storm drain?

A storm drain is channel the water to the bay.

2. Where does water from the storm drain go? Does storm drain water get cleaned?

The water from the storm drain goes to the river then to the delta then to the ocean. The water from a storm drain doesn't get cleaned.

3. What is the difference between the storm drain system and the sewer system?

The difference between the storm drain and the sewer system is that the storm drain doesn't get cleaned but the sewer system does.

4. What types of pollution could get into the storm drain? Please list three.

- a) bottle caps
- b) pesticide
- c) oil

5. How can you stop these types of pollution getting into the storm drains?

- a) get garbage bag and clean up
- b) don't use pesticide
- c) make sure that your car isn't leaking

6. Why is this important?

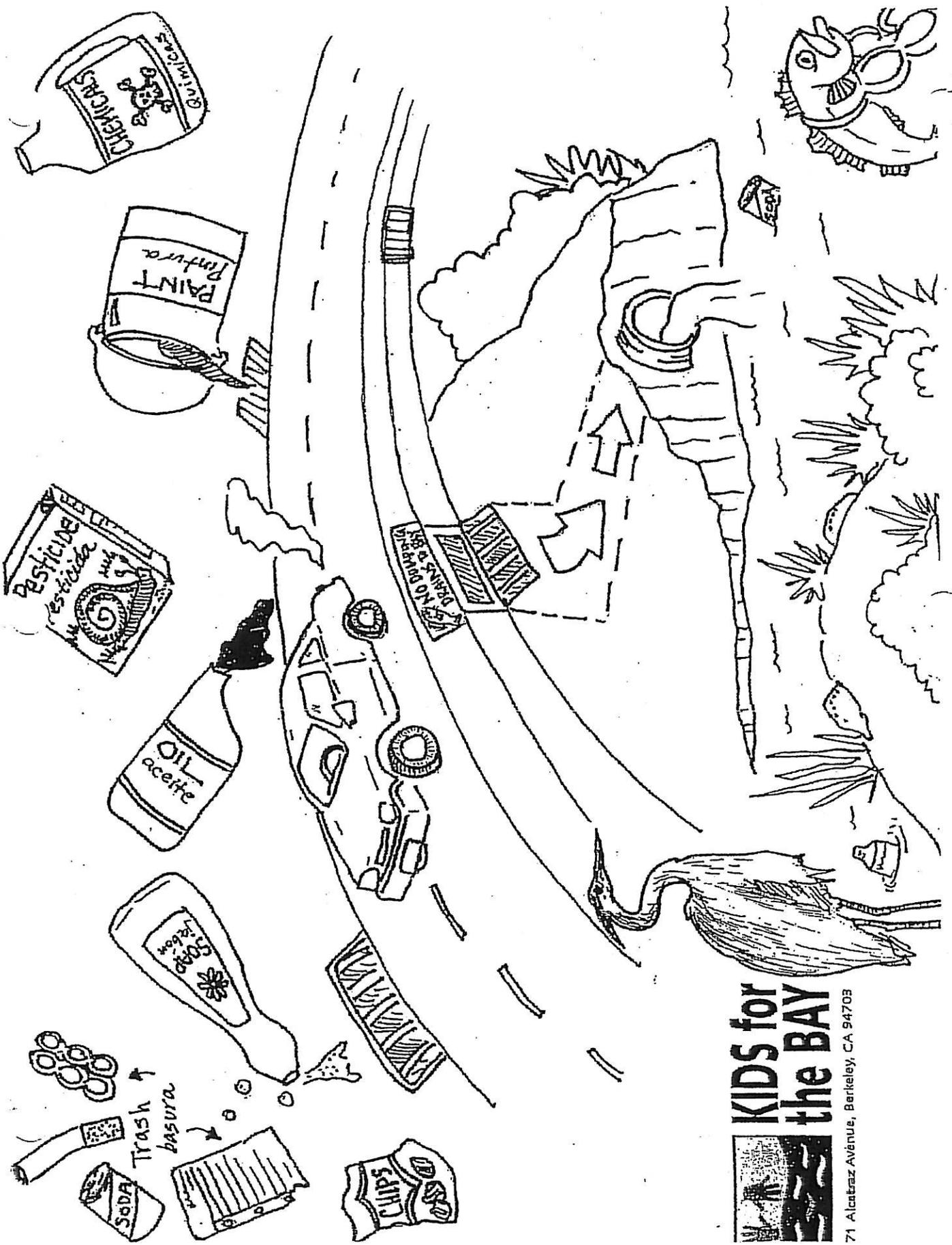
This is important because the sea creatures will get sick and die.

7. Make a pledge with your family member to prevent pollution from getting into storm drains. Write your pledge below.

I will not pour dangerous chemicals down the storm drain.

Parent/Guardian Signature: 

Thank your family member for talking with you.



KIDS for the BAY



71 Alcatraz Avenue, Berkeley, CA 94703



CITY OF PITTSBURG

**INTEGRATED PEST MANAGEMENT
PLAN**

IPM COORDINATOR:

GREG ST. PIERRE (925) 252-4000

IPM MANAGERS:

DON BUCHANAN (925) 252-4014

ANTHONY BALDAZO (925) 252-4166

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IPM MANAGEMENT GOALS FOR 2011

- Continue to provide annual pesticide safety training to all applicable employees.
- Schedule annual IPM training for all applicable City employees.
- Horticultural Mini Series Program: Weed Management!! 4-hour class at Buchanan Park from 7-11, August 25, 2011
Sponsored by the City of Pittsburg, RG Consulting and Dick DuBey from Spray Tec
- Ensure QAC holders from the DPR maintain 4 hours of laws and regulations and 16 hours of continuing education every two years, depending on last name. IPM practices is also covered in this continuing education.
- Ensure PCA holders from the DPR maintain 8 hours of law and regulation training as well as 32 hours of continuing education every two years.
- Continue to explore IPM techniques and reduce pesticide use and risks to employees, the public and the environment.
- Focus on park pest management plans to achieve acceptable levels of pest control by establishing pest management needs, goals and objectives on a park by park basis.
- Improve on pesticide use recording to detail pesticide use on a park to park basis.

IPM Standard Operating Procedures for City of Pittsburg

SECTION I. IPM INTRODUCTION

These procedures include all Municipal Regional Permit (MRP) stormwater requirements under Provision C.9, Pesticides Toxicity Control (please see Attachment A for specific requirements in the MRP). The City of Pittsburg and the Contra Costa Clean Water Program work in conjunction to track and participate in regulatory processes, interface with county agricultural commissioners, and conduct public outreach. For guidelines regarding the City of Pittsburg IPM program please refer to SECTION IV. of this document for the City of Pittsburg's IPM Policy. The department responsible for implementing, overseeing, reviewing and updating, and reporting the IPM program is the Public Works Environmental Center, Don Buchanan (925) 252-4014.

The IPM Program applies to all pest management related activities within the City of Pittsburg's jurisdiction, including all City of Pittsburg owned/operated facilities. Compliance with the provisions in the IPM Program is mandatory for all City of Pittsburg operations, and both current and future, contractors, and/or consultants providing pest management services to the City.

I.A.DEFINITIONS:

CONTRACT: a binding written agreement requiring the services of an outside provider for grounds maintenance or any pest control related services.

CONTRACTOR: a person, firm, corporation or other entity, including a governmental entity that enters into a contract with a department.

EMERGENCY: a pest outbreak that poses an immediate threat to public health or significant economic or environmental damage.

EXEMPTION: a process by which materials not on the tiered product list can temporarily be used, but only after all alternatives have been reviewed, evaluated, and/or IPMmented and only after the IPM Coordinator has authorized the use of the pesticide for the specific purpose. The application for an exemption shall be filed on a form specified by and signed by the IPM Coordinator. The decision to approve an exemption will be based upon an evaluation of the failure of alternatives, and taking into consideration public health, environmental and financial risks.

HAZARDOUS MATERIAL: a chemical or mixture that may pose a physical hazard, health hazard, or environmental hazard and that is regulated under the law to control its harmful effects. This definition is not intended to be rigid or legalistic because all materials regulated in this manner merit special attention and consideration under this program.

INTEGRATED PEST MANAGEMENT: a decision-making and action process that uses the most appropriate pest control methods and strategy in an environmentally and economically sound manner to meet agency programmatic pest management objectives. IPM is also an ecosystem-based strategy that focuses on long-term prevention of pests or their damage through a combination of techniques such as biological control, habitat manipulation, modification of cultural practices, and use of resistant varieties.

IPM Coordinator: a designated individual that facilitates the IPM program and oversees the application of pesticides or contract pesticide applicators. The Public Works Superintendent may appoint a person to coordinate these activities and serve as the primary point of contact. The IPM coordinators shall be trained in the principles of low-risk IPM, safe application of pesticides and alternatives to pesticide use.

IPM POLICY: a written document that serves as a guideline for the City to use as a strategy to IPMment our IPM Program.

IPM PROGRAM: coordinated pest management approaches that implement the IPM policy, management plans specific to types of sites or pests, training requirements, record keeping, and evaluation practices.

LANDSCAPES: grounds that are actively managed such as parks, plantings and lawns around public buildings, right-of-ways, watersheds, and open spaces.

PEST: any insect, rodent, nematode, snail, weed, fungus or other form of plant or animal life that adversely interferes with the aesthetic, health, safety, environmental or economic goals of a jurisdiction. Pest shall not include viruses or microorganisms on or in a living person or animal, but shall include plant diseases.

PESTICIDES: are chemical agents registered as pesticides by the California Food and Agricultural Code, Section 12753 of Chapter 2 of Division 7, which can be an herbicide, insecticide, fungicide or other chemical that repels, changes the regular growth rate of, kills, or otherwise reduces levels of a targeted pest or pests.

PESTICIDE FREE ZONES: a site or area within a site designated as a "Pesticide Free Zone" in order to further reduce and eliminate pesticide use in areas of higher public exposure or areas with high environmental sensitivity. Any pesticide use deemed necessary for the protection of public areas, public safety, and environment in these zones will only be authorized through the exemption process.

SUSTAINABLE DESIGN, CONSTRUCTION, AND MAINTENANCE: principles, materials, and techniques that conserve natural resources and improve environmental quality through the life cycle of landscape and its surrounding environment. Sustainable designs for buildings and landscapes incorporate methods that reduce the potential for pest problems from the start and with long-term maintenance needs in mind.

TOXICITY CATEGORY I PESTICIDE PRODUCT: any pesticide product that meets U.S. EPA criteria for Toxicity Category I under Section 156.10 of Title 40 of the Code of Federal Regulations.

TOXICITY CATEGORY II PESTICIDE PRODUCT: any pesticide product that meets U.S. EPA criteria for Toxicity Category II under Section 156.10 of Part 156 of Title 40 of the Code of Federal Regulations.

I.B. ACRONYMS AND ABBREVIATIONS

BASMAA Bay Area Stormwater Management Agencies Association

BMP Best Management Practices

CCCWP Contra Costa Clean Water Program

EPA Environmental Protection Agency

IPM Integrated Pest Management

MRP Municipal Regional Permit

NPDES National Pollutant Discharge Elimination System

SOP Standard Operating Procedure

MSDS Material Safety Data Sheet

DPR Department of Pesticide Regulation

QAC Qualified Applicator Certification

PCA Pest Control Advisor

SECTION I.C.
IPM PURPOSE
GOALS
PROGRAM COMPONENTS

IPM PURPOSE

Integrated pest management (IPM) is a strategic approach for preventing and suppressing pest problems before they reach unacceptable levels while minimizing environmental impacts, as well as risks to public health and safety. The IPM program provides a comprehensive plan for pest management, which adhere to storm water regulations while reducing pesticide use and minimizing the risk of pesticide leaching or run off into storm drains or environmentally sensitive areas. IPM utilizes regular monitoring and record keeping to determine if and when treatments are needed and employs a combination of strategies and tactics to keep pest numbers low enough to prevent unacceptable damage, reduction in esthetic values or risk to human health. Biological, cultural, physical, mechanical, educational and chemical methods are used in site specific combinations to solve pest problems with the least environmental impact. Chemical controls are used only when needed and in the least toxic formulation that is effective against the pest.

IPM GOALS

The goal of our IPM program is to protect human health by suppressing pests that vector diseases, to reduce losses from pest damage, reduce environmental pollution, reduce human exposure to pesticides, particularly that of children, eliminate pesticide leaching and contamination of our storm water systems and waterways. In this approach to pest control treatments are not made according to a fixed schedule; they are made only when and where monitoring has indicated that the pest will cause unacceptable economic, esthetic, or medical injury or damage. In this IPM program, if treatments are needed, they are selected and timed to be most effective on the pest, least disruptive to its natural controls, and least hazardous to humans and the environment.

COMPONENTS OF THE IPM PROGRAM

Planning:

A proactive approach of anticipating problems takes people out of the reactive mode and allows them to take advantage of all available management options. IPM depends on the “big picture.” By knowing what your objectives are, you will be able to plan accordingly. It is important to be proactive. Well informed decisions depend on collecting both current and historical information about the situation including the site and the pest(s). This process will also identify where additional education or expert advise is needed. Equipped with this knowledge,

pest management strategies can then be developed for short and long term pest control.

Monitoring and Detection:

Ongoing monitoring and timely detection to minimize loss and or safeguard human health and the environment are critical. Monitoring of a site allows for the early detection of pests and aids in the accurate assessment of the current situation. Ongoing observation of the pest, the host, the site, and related environmental factors are necessary in order to detect and assess emerging problems. Through timely monitoring, pest numbers and distribution patterns can be determined. Focusing on the key pests and mapping out problem areas is the only way to understand the extent of the problem so that timely pest management decisions can be initiated.

Proper Identification:

It is imperative to correctly identify the pest(s) that are to be controlled. Incorrect pest identification leads to misdirected management efforts or ineffective control. Knowledge of a pest's biology, habits, habitat and life cycle will aid in identifying the weak link in the pest's life cycle. Differentiating between beneficial organisms and pests is essential in making treatment decisions that recognize the role of beneficials. Information gathered through monitoring coupled with correct identification is utilized when deciding on a plan of appropriate actions.

Action/Implementation:

Actions depend upon the pest problem, site situation, and the available management options. Decision making is complex and many factors are considered before implementing an action. Knowledge of the site, the pest involved and the options available form the basis for IPM decisions. Decisions are tailored to minimize risk to humans and the environment and at the same time maximize benefits. Management options include any one of the following used alone or in combination. Using a combination of management options, where and when appropriate, is the foundation of IPM.

- Cultural Controls
- Physical Controls
- Mechanical Controls
- Biological Controls
- Chemical Controls
- Genetic Controls

Evaluation of Results:

Assessing outcomes provides opportunities to improve an IPM program. Evaluation begins with a review of the original goals of the IPM program. The next step is to examine the records kept throughout the season in order to identify the management options which were implemented. Finally, outcomes are evaluated based on the effectiveness of IPM activities through an assessment of current pest, host, and site status. Integrated pest management is an information based learning process and a comprehensive approach to pest management while minimizing the use of pesticides and potential risks or hazards to the public and the environment.

SECTION II. IPM STORMWATER PERMIT GUIDELINES

The City of Pittsburg's current NPDES now a Bay Area Wide Stormwater permit or Municipal Regional Permit (MRP), No. CAS612008, Order Number R2-2009-0074, issued on October 14, 2009 states in Provision C.9 Pesticides Toxicity Control (Appendix A), all Permittees shall prevent the impairment of urban streams by pesticide-related toxicity and implement a pesticide toxicity control program that addresses their own and others' use of pesticides within their jurisdiction that pose a threat to water quality and that have the potential to enter the municipal conveyance system. Provision C.9 also includes requirements such as adoption and implementation of an IPM Policy or Ordinance, training of municipal employees to implement IPM, Tracking, and participation in regulatory processes for pesticides, interface with county agricultural commissioners, evaluating source control actions relating to pesticides, public outreach for pesticides, and outreach to pest control contractors.

Additional requirements of Provision C.9, such as tracking and participation in regulatory processes for pesticides, interfacing with county agricultural commissioners, and public outreach for pesticides will be done in conjunction with the Contra Costa Clean Water Program.

SECTION II.A ROLES AND RESPONSIBILITIES

In order to establish an effective IPM program, individual tasks are delegated to Public Works staff representatives who are responsible for implementing the main components of an IPM program. The following are the designated municipal staff to oversee the IPM program:

- *Don Buchanan(Public Works Superintendent) (925) 252-4014 and Anthony Baldazo (Public Works Supervisor) (925) 252-4025 (IPM Management)*
- *Greg St.Pierre (IPM coordinator) (925)252-4000*

The duties for each designated role are as follows:

IPM Management shall be responsible for:

1. Ensuring that department procedures, budget and staffing decisions support implementation of the IPM program (See Section V. implementation of the IPM Program)
2. Providing training to building grounds management staff in the requirements of the IPM program (see Appendix F for Training Records)
3. Designating and IPM Coordinator to ensure products used by the Department meet the standards outlined in the IPM program and represents the Department on the IPM Committee
4. At least annually and in conjunction with the IPM Coordinator report to the City Manager and/or City Council on the Department's implementation of the IPM program.

5. Manage all IPM Contracts with pesticide/herbicide applicators as needed (See Appendix B for sample contract agreement).

The IPM Coordinator shall be responsible for:

1. Coordinating efforts to adopt IPM techniques;
2. Communicating with all staff on the goals and guidelines of the program;
3. Coordinating training programs for staff;
4. Tracking all pesticide use and ensuring that the information is available to the public;
5. Prepare the IPM Annual Report;
6. Coordinating with other public agencies that are practicing IPM.
7. The IPM Coordinator will be responsible for preparing an annual report for the IPM program activities.

SECTION II.B IPMIMPLEMENTATION PRACTICES

This section outlines the specific practices to be followed for pesticide selection and approval, choosing a pesticide applicator/service, and appropriate pesticide application practices such as education and training for applicators, notification of applying a pesticide, record keeping and outreach to the public.

In addition, the City will conduct inspections to ensure that any contractor employed to conduct pest control and pesticide application on municipal property engages in pest control methods consistent with this IPM Program. Contractors will be required to follow the City's IPM policy, SOPs, and BMPs, provide evidence to the City of having received training on current IPM techniques when feasible, and provide documentation of pesticide use on City property to IPM Management in a timely manner. In addition, the contractor shall submit an IPM implementation plan to the City that includes:

- TYPES AND ESTIMATED QUANTITIES OF PESTICIDES THAT THE CONTRACTOR MEY NEED TO APPLY DURING ITS CONTRACTED WORK
- OUTLINE ACTIONS THE CONTRACTOR WILL TAKE TO MEET THE IPM PROGRAM TO THE MAXIMUM EXTENT PRACTICABLE
- IDENTIFY THE PRIMARY IPM CONTRACT FOR THE CONTRACTOR

The City of Pittsburg shall require IPM certification from an approved IPM program such as Ecowise, Bay Friendly, or another program approved by the Regional Board. In addition, the contractor will sign a contract for pesticide application services that includes the IPM implementation plan detailed above that has been approved by the City and contractor prior to the start of application services. A model contract for IPM services has been included in this document as Appendix B.

A contractor, or department / operating unit on behalf of a contractor, may apply for any material application exemption authorized under the exemptions section 2.1.d of this IPM program.

SECTION II.C. PESTICIDE SELECTION AND APPROVAL

The City of Pittsburg will make product recommendations based on tiered risk assessment of pesticides. The IPM Coordinator and Management will develop this tiered risk assessment of pesticides. A prioritized list of products will be developed to identify products that may be targeted for future phase-out based on review of the product's contents, precautions, need for the product, and adverse health and environmental effects. The list shall be submitted as part of the annual report. The list may also be used if determined appropriate by the IPM Coordinator in compliance with the emergency exemption process.

Criteria for developing the product list shall be based on acute and chronic toxicity of products and chemicals known to cause cancer and known to cause reproductive toxicity. Environmental impacts of the products shall also be considered. Pesticides listed in C.9 as pesticides of concern will go through a more rigorous process for use and approval than pesticides that are not on the approved list but are not considered pesticides of concern by the Water Board.

Products on the Tiered Product List will be divided into three classifications:

- Approved Use
- Limited Use
- Banned Use

If the use of a material that is not on the Approved Use or Limited Use tier list is deemed necessary, the IPM Coordinator may apply for an emergency exemption.

SECTION II.D. EMERGENCY EXEMPTION

The Public Works Department may apply to IPM Management for an emergency exemption to use a Banned Use product in the event that an emergency pest outbreak poses an immediate threat to public health or significant economic damage will result from failure to use a pesticide. See Appendix D for a list of products phased out from prior use based on their product tier system. IPM Management shall respond to the application in a timely manner. If the requesting department is unable to reach IPM Management, the IPM Coordinator may authorize the one-time emergency use of the required pesticide. The IPM coordinator must notify IPM Management of the determination to use the pesticide prior to its application in the event that the IPM Coordinator is unavailable to make the request to IPM Management. IPM Management will review the circumstances of the emergency permit issued by the IPM Coordinator. Posting of pesticide use is done for joint use parks and recreational areas jointly used with the Pittsburg School District in accordance with the Healthy School Act. The IPM Coordinator may impose additional conditions for emergency applications such as limited use around sensitive areas housing people, wildlife habitat, and waters of the State. All pesticide application will abide by County, State and Federal application law.

SECTION II.E. ESTABLISHMENT OF PESTICIDE FREE ZONES

The City of Pittsburg has designated pesticide –free zones; zones free of pesticide application at various locations within the City. See attached map. All pesticide applications will be done only through the exemption process. The following areas have been established as “Pesticides Free Zones”.

- Play grounds / tot lots
- Picnic Areas (hardscape areas)
- Creeks
- Environmentally Sensitive Areas

The City will base decisions to add to the list of Pesticide Free Zones upon monitoring the effectiveness of alternative pest control and other factors. It is the intention over time to expand these zones as times and sources allow.

SECTION II.F EDUCATION AND TRAINING

The Federal Pesticide, Fungicide, and Rodenticide Act and California Title 3, Division 6, Pesticides and pest Control Operations place strict controls over pesticide application and handling and specify training, annual refresher, and testing requirements. The regulations generally cover a list of approved pesticides and selected uses that is updated regularly, general application information; equipment use and maintenance procedures, and record keeping. The California Department of Pesticide Regulations and the County Agricultural Commission coordinate and maintain the licensing and certification programs. All municipal employees who apply pesticides and herbicides in “Agricultural use” areas such as parks, golf courses,, rights-of-way and recreation areas should be properly certified in accordance with state regulations. Contracts for landscape maintenance will include certification requirements.

All staff associated with planning, design, construction and maintenance of buildings and landscapes shall receive an orientation to this IPM program and their roles and responsibilities in implementing it in a written or verbal format.

All municipal employees who handle pesticides should be familiar with the most recent material safety data sheet (MSDS) files.

The IPM Coordinator will be responsible for coordinating training events for all pesticide applicators and municipal staff involved with buildings and grounds maintenance. IPM training may be coordinated through the Contra Costa Clean Water Program or other through regional efforts with other Bay Area Stormwater Agencies Association (BASMAA) members. The IPM Coordinator shall invite speakers and arrange for other educational opportunities to assist implementing the IPM each year. The IPM Coordinator shall inform employees on Department

policies and procedures relevant to this IPM Program and keep staff current with best landscape-management practices and technologies that utilize IPM. Employee shall also be involved in identifying and implementing strategies to minimize the use of pesticides and in evaluating replacements for chemicals targeted for phase-out.

All personnel involved in pest management activities shall receive training on:

- The IPM Program
- Identification and lifecycle of typical northern California pests, weeds, and beneficial insects, threshold levels for different landscapes, monitoring techniques, and strategies for successful management of these pests
- Noxious weed identification, control, and regulations
- Pesticide laws and safety
- Specific best management practices as appropriate

Training will be provided by the City of Pittsburg staff, IPM consultants, IPM technical advisors and invited guest speakers. The IPM Coordinator, with assistance from any existing IPM Committee, will schedule training. Training and educational opportunities, both formal and informal, will also occur at building and landscape staff meetings. Managers and supervisors are not only expected to participate in the training, but to fully support involvement of their staff and contractors in the training.

SECTION III. IPM POLICY

LANDSCAPE IPM

STRUCTURAL IPM

CONSTRUCTION AND DEVELOPMENT IPM

Landscape IPM

Landscape IPM program within the City of Pittsburg involves the management and control of pests in parks, feature beds, medians, right of ways, RDA lots, Kirker creek, open spaces and the GHAD district. The common pest concerns for landscape, turf and open spaces include; noxious and invasive weeds, gophers, ground squirrels, and any pests that exceed the esthetic threshold set by the Parks Manager and IPM Coordinator.

The City of Pittsburg's IPM program realizes a single method of control will not provide effective levels of sustainable control of a pest species whether it is an insect, weed or vertebrate species. A successful long term pest management program, as implemented by the IPM coordinator, is designed to include all possible control considerations to achieve the goal of promoting the most environmentally safe, cost effective and sustainable pest management practices that will ensure public and employee protection as well as reducing the use of pesticides and risk of pesticide run-off pollution.

The City of Pittsburg, Parks and Landscape division, currently practice the following IPM techniques:

- Protection of the storm drain system from contaminated runoff.
- Trimmings from trees and bushes are transported to Pittsburg disposal services for green waste recycling.
- Pruning of large trees and tree removals are chipped into wood chips and stored for future use in feature landscape areas, medians and right of ways for weed suppression.
- Private tree removal companies also donate quality wood chips to the parks department. The parks department also utilizes these wood chips in weed suppression and increasing the esthetic values of our landscaped areas.
- Introduction of beneficial insect in the assistance of pest control. In the last five years we have been introducing lady bugs and preying mantis into our rose beds in Buchanan Park, Stoneman North Park and Small World Park for the control of aphids. Using this approach with beneficial insects to control aphids has eliminated our use of the pesticide Malathion. In the occurrence of severe infestation of aphids in the rose beds we will spray a mixture of water and Dawn dish soap. This mixture will temporally kill the aphids and does not harm our beneficial insects.
- The City of Pittsburg Parks department has also introduced mosquito fish into Buchanan Park pond and Small World Park ponds. With the

introduction of the mosquito fish they have rapidly multiplied and we have been able to transplant them in other areas such as the feature fountain at the environmental center. The use of these mosquito fish has allowed the city to refrain from fogging or spraying pesticides for mosquito control, even amongst the West Nile Virus scare.

- The use of drought tolerant and native plants.
- Using deep and infrequent watering techniques which encourages healthy root development and growth of desired plants while decreasing the opportunity for weed seed germination.
- Mowing turf at higher level and encouraging a healthy, dense, turf growth has almost eliminated the use of broadleaf herbicides in turf areas.
- The use of crushed granite in both large and small picnic facilities has worked tremendously in weed suppression and has eliminated the use of herbicides to control weeds in these areas. In the rare occasion a weed develops in these areas mechanical removal is the easiest way to eradicate the pest.
- Manual trapping of gophers with carrots and Macabie traps.
- Weather stations and central irrigation technology installed city wide. This technology has almost eliminated the chances of over watering and irrigation run off into storm drains and waterways by adjusting watering times on the current ET (Evapotranspiration rate) rating from the weather station to meet daily plant and turf demands.
- 18,000 hours of supplemental labor supplied by the work alternative program to assist in the mechanical removal of weeds.
- Many parks have now been switch over to reclaimed water irrigation systems. The reclaimed water usage has promoted the growth of an extremely dense and healthy turf. This has eliminated the use of fertilizers selective broadleaf herbicides in those parks turf areas.
- Installation of 3 artificial turf soccer fields, with another currently in the process of being constructed. The use of artificial turf has completely eliminated the need for irrigation, the use of fertilizers and pesticides thus eliminating the potential for ground water contamination.
- Optimize timing of preemergent applications for maximum benefits.
- If pesticides are required, spot treatment applications are the recommended form of treatment.

This IPM program acknowledges the possibility of the contamination of groundwater by pesticides abuse or misuse and focuses on alternative actions. Some pesticides can be found in the groundwater years after they were applied. Pesticides that are very water soluble can readily move downward in the soil profile with a great chance for leaching into ground water and storm drains. Pesticides that are used frequently and requires high application rates are most likely to cause problems and are to be avoided in all circumstances within the City of Pittsburg. Misuse of pesticides, using too much or too frequently is of great concern because of the potential runoff into groundwater, storm drains, lakes, streams and the Delta.

Pesticide selection for Landscape IPM:

There are many things to consider when choosing a herbicide to control weeds. How effective is the herbicide on the target weed? What time of the year you are in and the growing characteristics of the weed. Would pre or postemergence herbicide be more effective for current and future control. The mode of action of the herbicide and environmental conditions. Also, you cannot use the same mode of action repeatedly. Using the same mode of action or chemical repeatedly can create a tolerance build up in the plant to the herbicide or a super weed. Finally considering the effect this herbicide will have on the turf, surrounding landscapes and environmentally sensitive areas is of utmost importance.

STRUCTURAL IPM

Designate a Public Works, facilities employee for each building or facility. This person will act as a liaison between the building occupants and the IPM coordinator. Staff members should report any pest sightings to this person so that they can be communicated to the IPM coordinator. Any recommendations made by the pest control technician (for cleaning or repairs, etc) should be relayed by the IPM Coordinator to the administration.

Inspect all buildings and grounds. Inspections should be performed by a pest management professional or PW facilities employee who is knowledgeable about pest biology and habits. The inspector will note situations that are conducive to pest populations and recommend repairs, sealing of pest entry points, clutter reduction, improved sanitation, and monitoring procedures.

Perform repairs as needed to prevent pest access to buildings or to hiding spaces in walls and equipment. Also, repair any leaks and eliminate standing water wherever possible.

Review sanitation practices and reduce clutter. Sanitation includes areas such as kitchen cleaning and maintenance, waste disposal procedures, and elimination of clutter. Clutter is an important harborage for many pests, including rodents, spiders, and cockroaches. Elimination of cardboard and conversion to "box-less storage" is recommended, particularly in food areas. Sanitation is pest control!

Set up a monitoring program for pests. Monitoring means regular careful inspection of facilities to determine if pests are present. Monitoring programs focus on pest-vulnerable areas such as kitchens, employee lounges, restrooms and custodial closets, and use tools such as pest sighting logs and insect "sticky traps." Staff should report any pest sightings to the PW facilities employee in charge of that city facility.

Identify potential pest species found and determine a control strategy (if one is needed). Control strategies may include improved sanitation, repairs, and targeted pesticide treatments, among others.

Only apply pesticides when a known pest is present. Preventive treatments are generally not an effective way to manage pest populations, and are not a routine part of an IPM program. If a pesticide is needed, select the least hazardous pesticide. Among the products and application methods available, select the least

hazardous option that will effectively control the pest problem. Target treatments to the areas where pests hide. Never apply a pesticide when children are present!

Keep records of pest activity and control measures (chemical and other control techniques). Evaluate the program on a regular basis. For a structural IPM program to work, city employees must do their part to improve sanitation, reduce clutter, and implement repairs and exclusion techniques recommended by the IPM coordinator.

Contracted pest control services shall provide inspection and monitoring reports to the IPM coordinator before any pest control services are provided. Contracted services shall be in compliance and follow the City of Pittsburgs IPM program.

CONSTRUCTION AND DEVELOPMENT IPM

Construction and development IPM involves design and renovation of existing landscape. Poorly planned landscape designs may require intensive maintenance and greater reliance on pesticides for pest control than landscapes created with IPM design specifications.

New and renovated City landscaping projects should take into account parameters that will enhance the intended use of land and minimize pest problems; such as types of uses, soil conditions, grading and slope, water table, drainage, proximity to sensitive areas, selection of vegetation and vector control issues. Priority shall be given to IPM strategies when designing new and renovating existing landscape areas.

SECTION IV.A PESTICIDE USE

Pesticide use within the City of Pittsburg is determined by a risk assessment of each pest situation. Each risk assessment includes analysis of what pest is causing the damage (e.g., weed, insect, rodent, etc.), use of non-chemical pest control methods, monitoring of control of pests through non-chemical methods, then application of pesticides as a last resort. Pesticides used by the City of Pittsburg are selected based on risk assessment of the human health and environmental effects of the chemical selected.

SECTION IV.B APPROVED LIST OF PESTICIDES

The City of Pittsburg will develop and maintain a list of approved pesticides. Criteria for developing the pesticide list is based on acute and chronic toxicity of products, chemicals known to cause cancer and known to cause reproductive toxicity, and environmental impacts of the products are also considered. Pesticides of concern listed in C.9 of the MRP will go through a more rigorous process for approval. Each pesticide used is monitored and recorded using a pesticide management database (see Attachment D).

SECTION IV.C PESTICIDE APPLICATORS

All pesticide applicators and IPM providers shall have IPM training and certification as required by the MRP. All IPM contractors shall be IPM-certified or have IPM language in their contracts as required by the MRP. An example contract with IPM language is provided as Attachment D. All IPM providers are required to follow these standard operating procedures as well the **City of Pittsburg** IPM Policy.

SECTION IV.D IPM TRAINING

All pesticide applicators will be trained in IPM. IPM training may include local, countywide, or regional efforts. All staff associated with planning, design, construction, and maintenance of buildings and landscaping shall receive an orientation to these standards operating procedures and their roles and responsibilities in implementing IPM within their work duties.

SECTION IV.F IPM OUTREACH

Pesticide application information will be provided to the public upon request. Public outreach for IPM includes point of purchase outreach and contractor outreach by the Bay Area Stormwater Management Agencies Association (BASMAA) as required by the MRP. In addition the City encourages businesses to become green certified.

APPENDIX A PROVISION C.9 PESTICIDE TOXICITY CONTROL

C.9. Pesticides Toxicity Control

To prevent the impairment of urban streams by pesticide-related toxicity, the Permittees shall implement a pesticide toxicity control program that addresses their own and others' use of pesticides within their jurisdictions that pose a threat to water quality and that have the potential to enter the municipal conveyance system. This provision implements requirements of the TMDL for Diazinon and Pesticide related Toxicity for Urban Creeks in the region. The TMDL includes urban runoff allocations for Diazinon of 100 ng/l and for pesticide related toxicity of 1.0 Acute Toxicity Units (TUa) and 1.0 Chronic Toxicity Units (TUc) to be met in urban creek waters. However, urban runoff management agencies (i.e., the Permittees) are not solely responsible for attaining the allocations because their authority to regulate pesticide use is constrained by federal and State law. Accordingly, the Permittees' requirements for addressing the allocations are set forth in the TMDL implementation plan and are included in this provision.

Pesticides of concern include: organophosphorous pesticides (chlorpyrifos, diazinon, and malathion); pyrethroids (bifenthrin, cyfluthrin, beta-cyfluthrin, cypermethrin, deltamethrin, esfenvalerate, lambda-cyhalothrin, permethrin, and tralomethrin); carbamates (e.g., carbaryl); and fipronil. The Permittees may coordinate with BASMAA, the Urban Pesticide Pollution Prevention Project, the Urban Pesticide Committee, the Bay-Friendly Landscaping and Gardening Coalition, and other agencies and organizations in carrying out these activities.

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

- i. **Task Description** – In their IPM policies or ordinances, the Permittees shall include provisions to minimize reliance on pesticides that threaten water quality and to require the use of IPM in municipal operations and on municipal property.
- ii. **Implementation Level** – If not already in place, the Permittees shall adopt IPM policies or ordinances no later than July 1, 2010.
- iii. **Reporting** – The Permittees shall submit a copy of their IPM ordinance(s) or policy(s) in their 2010 Annual Report.

C.9.b. Implement IPM Policy or Ordinance

- i. **Task Description** – The Permittees shall establish written standard operating procedures for pesticide use that ensure implementation of the IPM policy or ordinance and require municipal employees and contractors to adhere to the IPM standard operating procedures.
- ii. **Reporting**
 - (1) In their Annual Reports, the Permittees shall report on IPM implementation by showing trends in quantities and types of pesticide used, and suggest reasons for increases in use of pesticides that threaten water quality, specifically organophosphorous pesticides, pyrethroids, carbaryl, and fipronil.

- (2) The Permittees shall maintain pesticide application standard operating procedures and submit them upon request.

C.9.c. Train Municipal Employees

- i. **Task Description** – The Permittees shall ensure that all municipal employees who, within the scope of their duties, apply or use pesticides that threaten water quality are trained in IPM practices and the Permittee’s IPM policy. This training may also include other training opportunities such as Bay-Friendly Landscape Maintenance Training & Qualification Program and EcoWise Certified.
- ii. **Reporting**
 - (1) In their Annual Reports, the Permittees shall report the percentage of municipal employees who apply pesticides who have received training in IPM policy and IPM standard operating procedures within the last three years.
 - (2) The Permittees shall submit training materials (e.g., course outline, date, attendees) upon request.

C.9.d. Require Contractors to Implement IPM

- i. **Task Description** – The Permittees shall hire IPM-certified contractors or include contract specifications requiring contractors to implement IPM no later than July 1, 2010.
- ii. **Reporting** – In their Annual Reports, the Permittees shall submit documentation to confirm compliance, such as the Permittee’s standard contract specification or copy of contractors’ certification(s).

C.9.e. Track and Participate in Relevant Regulatory Processes (may be done jointly with other Permittees, such as through CASQA or BASMAA and/or the Urban Pesticide Pollution Prevention Project)

- i. **Task Description**
 - (1) The Permittees shall track USEPA pesticide evaluation and registration activities as they relate to surface water quality, and when necessary, encourage USEPA to coordinate implementation of the Federal Insecticide, Fungicide, and Rodenticide Act and the CWA and to accommodate water quality concerns within its pesticide registration process;
 - (2) The Permittees shall track California Department of Pesticide Regulation (DPR) pesticide evaluation activities as they relate to surface water quality, and when necessary, encourage DPR to coordinate implementation of the California Food and Agriculture Code with the California Water Code and to accommodate water quality concerns within its pesticide evaluation process;
 - (3) The Permittees shall assemble and submit information (such as monitoring data) as needed to assist DPR and County Agricultural Commissioners in

ensuring that pesticide applications comply with water quality standards;
and

- (4) As appropriate, the Permittees shall submit comment letters on USEPA and DPR re-registration, re-evaluation, and other actions relating to pesticides of concern for water quality.
- ii. **Reporting** – In their Annual Reports, the Permittees who participate in a regional effort to comply with C.9.e. may reference a regional report that summarizes regional participation efforts, information submitted, and how regulatory actions were affected. All other Permittees shall list their specific participation efforts, information submitted, and how regulatory actions were affected.

C.9.f. Interface with County Agricultural Commissioners

- i. **Task Description** – The Permittees shall maintain regular communications with county agricultural commissioners (or other appropriate State and/or local agencies) to (1) get input and assistance on urban pest management practices and use of pesticides, (2) inform them of water quality issues related to pesticides, and (3) report violations of pesticide regulations (e.g., illegal handling) associated with stormwater management.
- ii. **Reporting** – In their Annual Reports, the Permittees shall summarize improper pesticide usage reported to county agricultural commissioners and report follow-up actions to correct violations.

C.9.g. Evaluate Implementation of Source Control Actions Relating to Pesticides

- i. **Task Description** – The Permittees shall evaluate the effectiveness of the control measures implemented, evaluate attainment of pesticide concentration and toxicity targets for water and sediment from monitoring data (Provision C.8.), and identify improvements to existing control measures and/or additional control measures, if needed, to attain targets with an implementation time schedule.
- ii. **Reporting** – In their 2013 Annual Reports, the Permittees shall report the evaluation results, and if needed, submit a plan to implement improved and/or new control measures.

C.9.h. Public Outreach (may be done jointly with other Permittees, such as through CASQA or BASMAA and/or the Urban Pesticide Pollution Prevention Project or the Bay-Friendly Landscaping and Gardening Coalition).

- i. **Point of Purchase Outreach:** The Permittees shall:
 - (1) Conduct outreach to consumers at the point of purchase;
 - (2) Provide targeted information on proper pesticide use and disposal, potential adverse impacts on water quality, and less toxic methods of pest prevention and control; and

- (3) Participate in and provide resources for the “Our Water, Our World” program or a functionally equivalent pesticide use reduction outreach program.
- ii. **Reporting** – In their Annual Reports, the Permittees who participate in a regional effort to comply with C.9.h.i. may reference a report that summarizes these actions. All other Permittees shall summarize activities completed and document any measurable awareness and behavior changes resulting from outreach.
- iii. **Pest Control Contracting Outreach:** The Permittees shall conduct outreach to residents who use or contract for structural or landscape pest control and shall:
 - (1) Provide targeted information on proper pesticide use and disposal, potential adverse impacts on water quality, and less toxic methods of pest prevention and control, including IPM;
 - (2) Incorporate IPM messages into general outreach;
 - (3) Provide information to residents about “Our Water, Our World” or functionally equivalent program;
 - (4) Provide information to residents about EcoWise Certified IPM certification in Structural Pest Management, or functionally equivalent certification program; and
 - (5) Coordinate with household hazardous-waste programs to facilitate appropriate pesticide waste disposal, conduct education and outreach, and promote appropriate disposal.
- iv. **Reporting** – In their 2013 Annual Reports, the Permittees who participate in a regional effort to comply with C.9.h.iii. may reference a report that summarizes these actions. All other Permittees shall document the effectiveness of their actions in their 2013 Annual Reports. This documentation may include percentages of residents hiring certified IPM providers and the change in this percentage.
- v. **Outreach to Pest Control Operators:** The Permittees shall conduct outreach to pest control operators (PCOs) and landscapers; Permittees are encouraged to work with DPR, county agricultural commissioners, UC-IPM, BASMAA, the Urban Pesticide Committee, the EcoWise Certified Program (or functionally equivalent certification program), the Bio-integral Resource Center and others to promote IPM to PCOs and landscapers.
- vi. **Reporting** – In each Annual Report, the Permittees who participate in a regional effort to comply with C.9.h.v. may reference a report that summarizes these actions. All other Permittees shall summarize how they reached PCOs and landscapers and reduced pesticide use.

**APPENDIX B SAMPLE PESTICIDE APPLICATOR CONTRACT
SPECIFICATIONS**

City of Pittsburgh IPM Contract

**Structural Integrated Pest Management Program:
Contract Specifications for {INSERT FACILITY NAME HERE}**

CONTRACT NO. _____

Premises covered by this specification:

1. _____

2. _____

3. _____

4. _____

5. _____

(Attach additional list if necessary)

1. GENERAL

A. Description of Program: This specification is part of a comprehensive Integrated Pest Management (IPM) program for the premises listed above. IPM is a process for achieving long-term, environmentally sound pest suppression and prevention through the use of a wide variety of technological and management practices.

Control strategies in an IPM program include:

- Structural and procedural modifications to reduce food, water, harborage and access used by pests.
- Non-pesticide technologies such as trapping and monitoring devices.

- City Public Works Superintendent coordination among all facilities management programs that have a bearing on the pest control effort.
- As a last resort, pesticide compounds, formulations and application methods that present the lowest potential hazard to humans and the environment.

B. IPM Service Requirements: The Service Provider shall furnish all supervision, labor, materials, and equipment necessary to accomplish the monitoring, trapping, pesticide application, pest removal and pest prevention components of this IPM program. Any deviations from this program must be approved by the City Public Works Superintendent

2. PESTS INCLUDED

The Service Provider shall adequately suppress all pest species that have the potential to affect public health, IPM operations or damage property, including but not limited to:

- Indoor populations and invading individuals of rodents, insects, arachnids, and other arthropods.
- Outdoor populations of potentially indoor-infesting species that are within the property boundaries of the specified buildings.
- Nests of stinging insects within the property boundaries of the specified buildings.
- Termites and other wood-destroying organisms.
- Birds, bats, small mammals, and all other vertebrates.
- Mosquitoes.

3. PEST CONTROL PERSONNEL

Throughout the term of this contract, all personnel providing on-site pest control service must maintain certification as commercial pesticide applicators in the appropriate categories for the facilities listed above. Uncertified individuals working under the supervision of a certified applicator will not be permitted to provide service under this contract.

4. SERVICE PROVIDER IPM PLAN

The Service Provider shall submit to the CITY PUBLIC WORKS SUPERINTENDENT an IPM Plan at least five (5) working days prior to the starting

date of the contract. If aspects of the Plan are incomplete or disapproved by the CITY PUBLIC WORKS SUPERINTENDENT, the Contractor shall have two (2) working days to submit revisions. The IPM Plan shall consist of three parts as follows:

- A. Pesticide Labels and MSD Sheets: The Service Provider shall provide current Labels and Material Safety Data Sheets for all pesticides that will potentially be used in the pest control program.

- B. Service Schedule(s): The Service Provider shall provide a schedule of routine pest control inspections for each building serviced under this contract, including frequencies of inspections, areas at each facility to be given special attention (e.g., food storage, preparation and serving areas; washrooms; custodial closets; mechanical rooms; entryways) and specific day(s) of the week on which the inspections will be performed.

- C. Commercial Pesticide Applicator Licenses and Certificates: The Service Provider shall provide a photocopy of the State-issued Commercial Pesticide Applicator License for every Contractor performing on-site pest control service under this contract, and a photocopy of the State-issued Commercial Pesticide Applicator Certificate for every pest management professional (PMP) performing on-site pest control service.

The Service Provider shall receive the approval of the City Public Works Superintendent prior to IPMmenting any subsequent changes to the approved Service Provider IPM Plan, including additional or replacement pest control products. The Service Provider will review and update the Service Provider IPM Plan annually, including updating MSDS/labels as needed.

4. RECORD KEEPING

The Service Provider shall be responsible for maintaining an IPM logbook or file for each building specified in this contract. These records shall be kept on-site and maintained on each visit by the PMP performing pest control service. Each logbook or file shall contain at least the following items:

- A. IPM Plan: A copy of the Service Provider's approved IPM Plan, including pesticide Labels and MSDS sheets for all pesticides that will be potentially used in the building, service schedule for routine pest control inspections, and photocopies of the relevant Commercial Pesticide Applicator Licenses and Certificates.

- B. Building Occupant Log Form: These forms will be used to advise the Service Provider of routine service requests and pest sightings by building occupants.

- C. Service Provider's Report Forms: Customer copies of the Service Provider's signed and dated Service Report Form, documenting all information on services provided including pesticide applications required by State and local statute. This form must also indicate any recommendations made by the Service Provider for additional action advisable by the customer, e.g., structural or plumbing repairs required to limit pest access to the building or to food and water resources; IPM improvements in sanitation, etc. A copy of this form must also be provided to the City Public Works Superintendent within one week of the service.

- D. Service Provider Products and Devices: All bait stations, snap traps and glue boards or other devices left behind by the Service Provider are to be dated, numbered and listed on the Service Provider Report Form and checked on each subsequent visit until removed. All such devices shall be removed when full, dirty and no longer effective, or no longer needed.

5. MANNER AND TIME TO CONDUCT SERVICE

- A. Time Frame of Service Visits: Frequent and complete communication between the Service Provider and the facility manager is critical for a successful outcome. Routine pest control services that do not adversely affect staff or patient health or productivity shall be performed during the regular building hours of operation. When it is necessary to perform work outside of the regularly scheduled service time set forth in the Service Provider IPM Plan, the Contractor shall notify the City Public Works Superintendent and/or facility manager at least one day in advance.

- B. Safety and Health: All pest control work shall be in strict accordance with all applicable Federal, State, and local safety and health requirements. Where there is a conflict between applicable regulations, the most stringent will apply.

- C. Special Entrance: Certain areas within some buildings may require special instructions for persons entering them. Any restrictions associated with these special areas will be explained by the City Public Works Superintendent. The Service Provider shall adhere to these restrictions and incorporate them into the Service Provider IPM Plan.

- E. Uniforms: All Service Provider representatives working in or around the buildings specified in this contract shall wear distinctive uniforms identifying the name of their employer.

- F. Vehicles: Vehicles used by the Service Provider shall be identified in accordance with State and local regulations.

6. SPECIAL REQUESTS AND EMERGENCY SERVICE

On occasion, the City Public Works Superintendent may request that the Service Provider perform corrective, special or emergency service(s) that are beyond routine service requests such as removal of a stinging insect nest. The Service Provider shall respond to these exceptional circumstances and complete the necessary work within twenty-four (24) hours after receipt of the request.

7. INSECT CONTROL

- A. Emphasis on Non-Pesticide Methods: Non-pesticide methods of control shall be used wherever possible. For example:
 - 1. Portable vacuums rather than pesticide sprays shall be the standard method for initial cleanouts of cockroach infestations, for swarming (winged) ants and termites, and for control of spiders in webs.

2. Trapping devices rather than pesticide sprays shall be the standard method for indoor fly control.

B. Application of Insecticides to Cracks and Crevices: As a general rule, all insecticides shall be applied as "crack and crevice" treatments only, defined in this contract as treatments in which the formulated insecticide is not visible to a bystander or accessible to children during or after the application process.

C. Application of Insecticides to Exposed Surfaces or as Space Sprays: Application of insecticides to exposed surfaces or as space sprays ("fogging") shall be restricted to exceptional circumstances where no alternative measures are practical. The Service Provider shall obtain approval of the CITY PUBLIC WORKS SUPERINTENDENT prior to any application of insecticide to an exposed surface or any space spray treatment. No surface application or space spray shall be made while staff, patients or visitors are present. The Service Provider shall take all necessary precautions to ensure staff, patient and visitor safety, and all necessary steps to ensure the containment of the pesticide to the site of application.

D. Insecticide Bait Formulations: Bait formulations shall be the standard pesticide technology for cockroach and ant control, with alternate formulations restricted to unique situations where baits are not practical.

E. Monitoring: Sticky traps shall be used to guide and evaluate indoor insect control efforts wherever necessary.

8. RODENT CONTROL

A. Indoor Trapping: As a general rule, rodent control inside buildings shall be accomplished with trapping devices only. All such devices shall be concealed out of the general view and in protected areas so as not to be affected by routine cleaning and other operations. Trapping devices shall be checked on a schedule approved by the CITY PUBLIC WORKS SUPERINTENDENT. The Service Provider shall be responsible for disposing of all trapped rodents and all rodent carcasses in an appropriate manner.

B. Use of Rodenticides: In exceptional circumstances, when rodenticides are deemed essential for adequate rodent control inside buildings, the Service

Provider shall obtain approval of the CITY PUBLIC WORKS SUPERINTENDENT prior to making any interior rodenticide treatment. All rodenticides, regardless of packaging, shall be placed either in locations not accessible to children, pets, wildlife and domestic animals, or in EPA-approved tamper-resistant bait boxes. As a general rule, rodenticide application outside buildings shall emphasize the direct treatment of rodent burrows wherever feasible.

C. Use of Bait Boxes: All bait boxes shall be maintained in accordance with EPA regulations, with an emphasis on the safety of non-target organisms. The Service Provider shall adhere to the following five points:

1. All bait boxes shall be placed out of the general view, in locations where they will not be disturbed by routine operations.
2. The lids of all bait boxes shall be securely locked or fastened shut.
3. All bait boxes shall be securely attached or anchored to floor, ground, wall, or other immovable surface, so that the box cannot be picked up or moved.
4. Bait shall always be secured in the feeding chamber of the box and never placed in the runway or entryways of the box.
5. All bait boxes shall be labeled on the inside with the Service Provider's business name and address, and dated by the Service Provider at the time of installation and each servicing.

10. USE OF PESTICIDES

The Service Provider shall be responsible for application of pesticides according to the label and all applicable regulations. All pesticides must be registered with the U.S. Environmental Protection Agency (EPA), State and/or local jurisdiction unless prior approval is given by the CITY PUBLIC WORKS SUPERINTENDENT. Transport, handling, and use of all pesticides shall be in strict accordance with the manufacturer's label instructions and all applicable Federal, state, and local laws and regulations.

The Service Provider shall adhere to the following rules for pesticide use:

- A. Rentry Time, Posting and Notification: Pesticides may not be applied where staff, patients or visitors will be present within seven hours after the application. At least seventy-two hours prior to a pesticide application, the Service Provider shall post an 8 ½ x 11" pest control information sign both at the site of the application and near the facility reception area where it will be seen by visitors entering the facility. This posting shall include the date, time and location of the application, the product applied, potential adverse effects from the Material Safety Data Sheet (MSDS) and the pesticide label, and include the Service Provider name, address and telephone. Service Provider shall also provide this information to the facility director who will use this information to notify staff and patients who have requested notification. Emergency applications, where pests pose an immediate threat to the health and safety of patients, visitors or employees, disinfectants, anti-microbials and self-contained or gel-type pesticide baits applied in inaccessible areas are exempt from posting, notification and the 7-hour reentry requirement.
- B. Approved Products: No pesticide product shall be applied that has not been included in the Service Provider IPM Plan or approved in writing by the CITY PUBLIC WORKS SUPERINTENDENT.
- C. Pesticide Storage: The Service Provider shall not store any pesticide product in the buildings specified in this contract.
- D. Application by Need: Pesticide application shall be according to need and not by schedule. As a general rule, application of pesticides in any inside or outside area shall not occur unless visual inspection or monitoring devices indicate the presence of pests in that specific area, and only after all non-toxic means have been exhausted and shown to be unsuccessful. Requests for preventive pesticide treatments in areas where surveillance indicates a potential insect or rodent infestation will be evaluated by the CITY PUBLIC WORKS SUPERINTENDENT on a case-by-case basis. Written approval must be granted by the CITY PUBLIC WORKS SUPERINTENDENT prior to any preventive pesticide application.
- E. Minimization of Risk: When pesticide use is necessary, as a last resort the Service Provider shall employ the least hazardous material, most precise application technique and minimum quantity of pesticide necessary to achieve control.

11. SUMMARY

Service Provider agrees to the following:

- ___ 1. Review the INSERT YOUR FACILITY NAME HERE IPM Policy, IPM Plan and Contractions Specifications and discuss any deviations from these documents with the CITY PUBLIC WORKS SUPERINTENDENT.

- ___ 2. Provide training for all employees serving facilities consistent with the INSERT YOUR FACILITY NAME HERE IPM Policy, IPM Plan and Contract Specifications.

- ___ 3. Provide a Service Provider IPM Plan including MSDS, labels, inspection schedule and applicator certifications and licenses to the CITY PUBLIC WORKS SUPERINTENDENT for approval at least five days before the contract start date. Update the Service Provider IPM Plan annually.

- ___ 4. Provide a binder for each facility serviced including the IPM Plan, a pest sightings log and a section for service records.

- ___ 5. Provide service consistent with the INSERT YOUR FACILITY NAME HERE IPM Policy, Plan and Specifications, and obtain written approval from the CITY PUBLIC WORKS SUPERINTENDENT before deviating from these documents.

CONTRACT ATTACHMENT A. PRE-APPROVED PEST CONTROL PRODUCT LIST

The following products may be used with justification and according to the specifications above:

City of Pittsburgh IPM Contract

**Structural Integrated Pest Management Program:
Contract Specifications for the City of Pittsburgh**

CONTRACT NO. _____

Premises covered by this specification:

1. _____

2. _____

3. _____

4. _____

5. _____

(Attach additional list if necessary)

1. GENERAL

A. Description of Program: This specification is part of a comprehensive Integrated Pest Management (IPM) program for the premises listed above. IPM is a process for achieving long-term, environmentally sound pest suppression and prevention through the use of a wide variety of technological and management practices.

Control strategies in an IPM program include:

- Structural and procedural modifications to reduce food, water, harborage and access used by pests.
- Non-pesticide technologies such as trapping and monitoring devices.

- City Public Works Superintendent among all facilities management programs that have a bearing on the pest control effort.
- As a last resort, pesticide compounds, formulations and application methods that present the lowest potential hazard to humans and the environment.

B. IPM Service Requirements: The Service Provider shall furnish all supervision, labor, materials, and equipment necessary to accomplish the monitoring, trapping, pesticide application, pest removal and pest prevention components of this IPM program. Any deviations from this program must be approved by the City Public Works Superintendent

2. PESTS INCLUDED

The Service Provider shall adequately suppress all pest species that have the potential to affect public health, impede operations or damage property, including but not limited to:

- Indoor populations and invading individuals of rodents, insects, arachnids, and other arthropods.
- Outdoor populations of potentially indoor-infesting species that are within the property boundaries of the specified buildings.
- Nests of stinging insects within the property boundaries of the specified buildings.
- Termites and other wood-destroying organisms.
- Birds, bats, small mammals, and all other vertebrates.
- Mosquitoes.

3. PEST CONTROL PERSONNEL

Throughout the term of this contract, all personnel providing on-site pest control service must maintain certification as commercial pesticide applicators in the appropriate categories for the facilities listed above. Uncertified individuals working under the supervision of a certified applicator will not be permitted to provide service under this contract.

4. SERVICE PROVIDER IPM PLAN

The Service Provider shall submit to the CITY PUBLIC WORKS SUPERINTENDENT an IPM Plan at least five (5) working days prior to the starting

date of the contract. If aspects of the Plan are incomplete or disapproved by the CITY PUBLIC WORKS SUPERINTENDENT, the Contractor shall have two (2) working days to submit revisions. The IPM Plan shall consist of three parts as follows:

- A. Pesticide Labels and MSD Sheets: The Service Provider shall provide current Labels and Material Safety Data Sheets for all pesticides that will potentially be used in the pest control program.

- B. Service Schedule(s): The Service Provider shall provide a schedule of routine pest control inspections for each building serviced under this contract, including frequencies of inspections, areas at each facility to be given special attention (e.g., food storage, preparation and serving areas; washrooms; custodial closets; mechanical rooms; entryways) and specific day(s) of the week on which the inspections will be performed.

- C. Commercial Pesticide Applicator Licenses and Certificates: The Service Provider shall provide a photocopy of the State-issued Commercial Pesticide Applicator License for every Contractor performing on-site pest control service under this contract, and a photocopy of the State-issued Commercial Pesticide Applicator Certificate for every pest management professional (PMP) performing on-site pest control service.

The Service Provider shall receive the approval of the City Public Works Superintendent prior to implementing any subsequent changes to the approved Service Provider IPM Plan, including additional or replacement pest control products. The Service Provider will review and update the Service Provider IPM Plan annually, including updating MSDS/labels as needed.

4. RECORD KEEPING

The Service Provider shall be responsible for maintaining an IPM logbook or file for each building specified in this contract. These records shall be kept on-site and maintained on each visit by the PMP performing pest control service. Each logbook or file shall contain at least the following items:

- A. IPM Plan: A copy of the Service Provider's approved IPM Plan, including pesticide Labels and MSDS sheets for all pesticides that will be potentially used in the building, service schedule for routine pest control inspections, and photocopies of the relevant Commercial Pesticide Applicator Licenses and Certificates.

- B. Building Occupant Log Form: These forms will be used to advise the Service Provider of routine service requests and pest sightings by building occupants.

- C. Service Provider's Report Forms: Customer copies of the Service Provider's signed and dated Service Report Form, documenting all information on services provided including pesticide applications required by State and local statute. This form must also indicate any recommendations made by the Service Provider for additional action advisable by the customer, e.g., structural or plumbing repairs required to limit pest access to the building or to food and water resources; improvements in sanitation, etc. A copy of this form must also be provided to the City Public Works Superintendent within one week of the service.

- D. Service Provider Products and Devices: All bait stations, snap traps and glue boards or other devices left behind by the Service Provider are to be dated, numbered and listed on the Service Provider Report Form and checked on each subsequent visit until removed. All such devices shall be removed when full, dirty and no longer effective, or no longer needed.

5. MANNER AND TIME TO CONDUCT SERVICE

- A. Time Frame of Service Visits: Frequent and complete communication between the Service Provider and the facility manager is critical for a successful outcome. Routine pest control services that do not adversely affect staff or patient health or productivity shall be performed during the regular building hours of operation. When it is necessary to perform work outside of the regularly scheduled service time set forth in the Service Provider IPM Plan, the Contractor shall notify the City Public Works Superintendent and/or facility manager at least one day in advance.

- B. Safety and Health: All pest control work shall be in strict accordance with all applicable Federal, State, and local safety and health requirements. Where there is a conflict between applicable regulations, the most stringent will apply.

- C. Special Entrance: Certain areas within some buildings may require special instructions for persons entering them. Any restrictions associated with these special areas will be explained by the City Public Works Superintendent. The Service Provider shall adhere to these restrictions and incorporate them into the Service Provider IPM Plan.

- E. Uniforms: All Service Provider representatives working in or around the buildings specified in this contract shall wear distinctive uniforms identifying the name of their employer.

- F. Vehicles: Vehicles used by the Service Provider shall be identified in accordance with State and local regulations.

6. SPECIAL REQUESTS AND EMERGENCY SERVICE

On occasion, the City Public Works Superintendent may request that the Service Provider perform corrective, special or emergency service(s) that are beyond routine service requests such as removal of a stinging insect nest. The Service Provider shall respond to these exceptional circumstances and complete the necessary work within twenty-four (24) hours after receipt of the request.

7. INSECT CONTROL

- A. Emphasis on Non-Pesticide Methods: Non-pesticide methods of control shall be used wherever possible. For example:
 - 1. Portable vacuums rather than pesticide sprays shall be the standard method for initial cleanouts of cockroach infestations, for swarming (winged) ants and termites, and for control of spiders in webs.

2. Trapping devices rather than pesticide sprays shall be the standard method for indoor fly control.

- B. Application of Insecticides to Cracks and Crevices: As a general rule, all insecticides shall be applied as "crack and crevice" treatments only, defined in this contract as treatments in which the formulated insecticide is not visible to a bystander or accessible to children during or after the application process.
- C. Application of Insecticides to Exposed Surfaces or as Space Sprays: Application of insecticides to exposed surfaces or as space sprays ("fogging") shall be restricted to exceptional circumstances where no alternative measures are practical. The Service Provider shall obtain approval of the CITY PUBLIC WORKS SUPERINTENDENT prior to any application of insecticide to an exposed surface or any space spray treatment. No surface application or space spray shall be made while staff, patients or visitors are present. The Service Provider shall take all necessary precautions to ensure staff, patient and visitor safety, and all necessary steps to ensure the containment of the pesticide to the site of application.
- D. Insecticide Bait Formulations: Bait formulations shall be the standard pesticide technology for cockroach and ant control, with alternate formulations restricted to unique situations where baits are not practical.
- E. Monitoring: Sticky traps shall be used to guide and evaluate indoor insect control efforts wherever necessary.

8. RODENT CONTROL

- A. Indoor Trapping: As a general rule, rodent control inside buildings shall be accomplished with trapping devices only. All such devices shall be concealed out of the general view and in protected areas so as not to be affected by routine cleaning and other operations. Trapping devices shall be checked on a schedule approved by the CITY PUBLIC WORKS SUPERINTENDENT. The Service Provider shall be responsible for disposing of all trapped rodents and all rodent carcasses in an appropriate manner.
- B. Use of Rodenticides: In exceptional circumstances, when rodenticides are deemed essential for adequate rodent control inside buildings, the Service

Provider shall obtain approval of the CITY PUBLIC WORKS SUPERINTENDENT prior to making any interior rodenticide treatment. All rodenticides, regardless of packaging, shall be placed either in locations not accessible to children, pets, wildlife and domestic animals, or in EPA-approved tamper-resistant bait boxes. As a general rule, rodenticide application outside buildings shall emphasize the direct treatment of rodent burrows wherever feasible.

C. Use of Bait Boxes: All bait boxes shall be maintained in accordance with EPA regulations, with an emphasis on the safety of non-target organisms. The Service Provider shall adhere to the following five points:

1. All bait boxes shall be placed out of the general view, in locations where they will not be disturbed by routine operations.
2. The lids of all bait boxes shall be securely locked or fastened shut.
3. All bait boxes shall be securely attached or anchored to floor, ground, wall, or other immovable surface, so that the box cannot be picked up or moved.
4. Bait shall always be secured in the feeding chamber of the box and never placed in the runway or entryways of the box.
5. All bait boxes shall be labeled on the inside with the Service Provider's business name and address, and dated by the Service Provider at the time of installation and each servicing.

10. USE OF PESTICIDES

The Service Provider shall be responsible for application of pesticides according to the label and all applicable regulations. All pesticides must be registered with the U.S. Environmental Protection Agency (EPA), State and/or local jurisdiction unless prior approval is given by the CITY PUBLIC WORKS SUPERINTENDENT. Transport, handling, and use of all pesticides shall be in strict accordance with the manufacturer's label instructions and all applicable Federal, state, and local laws and regulations.

The Service Provider shall adhere to the following rules for pesticide use:

- A. Rentry Time, Posting and Notification: Pesticides may not be applied where staff, patients or visitors will be present within seven hours after the application. At least seventy-two hours prior to a pesticide application, the Service Provider shall post an 8 ½ x 11" pest control information sign both at the site of the application and near the facility reception area where it will be seen by visitors entering the facility. This posting shall include the date, time and location of the application; the product applied, potential adverse effects from the Material Safety Data Sheet (MSDS) and the pesticide label, and includes the Service Provider name, address and telephone. Service Provider shall also provide this information to the facility director who will use this information to notify staff and patients who have requested notification. Emergency applications, where pests pose an immediate threat to the health and safety of patients, visitors or employees, disinfectants, anti-microbials and self-contained or gel-type pesticide baits applied in inaccessible areas are exempt from posting, notification and the 7-hour reentry requirement.
- B. Approved Products: No pesticide product shall be applied that has not been included in the Service Provider IPM Plan or approved in writing by the CITY PUBLIC WORKS SUPERINTENDENT.
- C. Pesticide Storage: The Service Provider shall not store any pesticide product in the buildings specified in this contract.
- D. Application by Need: Pesticide application shall be according to need and not by schedule. As a general rule, application of pesticides in any inside or outside area shall not occur unless visual inspection or monitoring devices indicate the presence of pests in that specific area, and only after all non-toxic means have been exhausted and shown to be unsuccessful. Requests for preventive pesticide treatments in areas where surveillance indicates a potential insect or rodent infestation will be evaluated by the CITY PUBLIC WORKS SUPERINTENDENT on a case-by-case basis. Written approval must be granted by the CITY PUBLIC WORKS SUPERINTENDENT prior to any preventive pesticide application.
- E. Minimization of Risk: When pesticide use is necessary, as a last resort the Service Provider shall employ the least hazardous material, most precise application technique and minimum quantity of pesticide necessary to achieve control.

11. SUMMARY

Service Provider agrees to the following:

- ___ 1. Review the City of Pittsburg IPM Policy, IPM Plan and Contractions Specifications and discuss any deviations from these documents with the CITY PUBLIC WORKS SUPERINTENDENT.

- ___ 2. Provide training for all employees serving facilities consistent with the City of Pittsburg IPM Policy, IPM Plan and Contract Specifications.

- ___ 3. Provide a Service Provider IPM Plan including MSDS, labels, inspection schedule and applicator certifications and licenses to the CITY PUBLIC WORKS SUPERINTENDENT for approval at least five days before the contract start date. Update the Service Provider IPM Plan annually.

- ___ 4. Provide a binder for each facility serviced including the IPM Plan, a pest sightings log and a section for service records.

- ___ 5. Provide service consistent with the City of Pittsburg IPM Policy, Plan and Specifications, and obtain written approval from the CITY PUBLIC WORKS SUPERINTENDENT before deviating from these documents.

APPENDIX C NOTICE OF PESTICIDE APPLICATION

Any pesticide use shall comply with the following notification procedures:

1. Signs shall be posted at least two (2) working days before application of the pesticide product and remain posted at least two (2) working days after application of the pesticide.
2. Signs shall be posted at every entry point where the pesticide is applied if it is applied in an enclosed area; and in highly visible locations, signs will be posted around the perimeter of the area where the pesticide is applied.
3. Signs shall be of standard design that is easily recognizable to the public and City employees.
4. Signs shall contain the name and the active ingredient of the pesticide product, target pest, the date of pesticide use, the toxicity category of the pesticide product, the name and contact number for the Department responsible for the application.
5. Individual copies of posted signs shall be retained for record keeping purposes for one year.

Signs are not required in right-of-way locations where public use and potential exposure is limited. For pesticides used in locations where their use is not posted shall develop and maintain a public access telephone number or website information regarding pesticide applications in these areas. The Public Works Superintendent may authorize the application of a pesticide without providing a two-day advance notification in the event of a public health emergency or to comply with worker safety requirements.

Pesticide use information shall be made available to City Staff and the public upon request. Each department shall maintain a list of all materials applied on a site-specific basis. The list shall be made available at each department's main offices or made available to the public upon request.



City of Pittsburgh
Environmental Services Department

NOTICE OF PESTICIDE APPLICATION

Day: _____

Date: _____

The material(s) being applied is(are): _____

Product Toxicity
Category: _____

Target Pest: _____

Area
Treated: _____

SIGNS WILL REMAIN 48 HOURS AFTER PESTICIDE APPLICATION.

IF YOU HAVE ANY QUESTIONS, PLEASE CALL: _____

AT: _____

APPENDIX D PESTICIDE SPECIFIC IPM IPMLEMENTATION

A. APPROVED USE PRODUCTS

These pesticides have been approved for use by IPM Management along with any restrictions for such use. The Approved Use Products list shall include but are not limited to:

- Insecticides, rodenticide baits and traps
- Caulking agents and crack sealants
- Borates, silicates, and diatomaceous earth
- Soap-based products
- Natural products on the FIRFA's 23(b) list (40 DFR part 152.25 (g)(1))¹
- Natural products on the California Certified Organic Farmer's organic list
- EPA GRAS- generally recognized as safe products pursuant to Federal EPA
- Cryogenics, electronic, products, heat, and light
- Biological controls such as parasites and predators
- Physical Barriers
- Sluggo
- Pheromones and attractants for traps

B. LIMITED USE PRODUCTS

The IPM Coordinator may grant a recommendation that particular pesticides not classified as the Approved use be approved for a specific purpose. Limited use products may not be a pesticide on the Banned Use Product . The request to use a product on the limited Use list must be reviewed and approved by IPM Management. A limited use exemption may be granted upon a finding that the requestor has:

1. Identified a compelling need to use the pesticide.
2. Made a good faith effort to find alternatives to the particular pesticide.
3. Demonstrated that effective, economic alternatives to the particular pesticide do not exist for the particular use.
4. Developed a reasonable plan for investigating alternatives to the pesticide in question during the exemption period.

C. BANNED USE PRODUCTS

The following high health risk pest management products are completely banned from use in Contra Costa:

1. PESTICIDES LINKED TO CANCER (US EPA CLASS A, B, AND C CARCINOGENS AND CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER UNDER PROPOSITION 65).
2. PESTICIDES THAT CAUSE BIRTH DEFECTS, REPRODUCTIVE, OR DEVELOPMENT HARM (IDENTIFIED BY THE US EPA OR KNOWN TO THE STATE OF CALIFORNIA UNDER PROPOSITION 65 AS REPRODUCTIVE OR DEVELOPMENT TOXINS).
3. PESTICIDES CLASSIFIED AS TOXICITY CATEGORY I AND II PESTICIDE PRODUCTS BY THE US EPA, CARBONATE, AND ORGANOPHOSPHATE PESTICIDES.
4. FOGGERS, BOMPOB, FUMIGANTS, OR SPRAYS THAT CONTAIN PESTICIDES IDENTIFIED BY THE STATE OF CALIFORNIA AS POTENTIALLY HAZARDOUS TO HUMAN HEALTH (CFR 6198.5)
5. PESTICIDES THAT INTERFERE WITH HUMAN HORMONES.

APPENDIX E PESTICIDE MANAGEMENT RECORD

Contract Pesticide Usage
City Building
FY 2010 - 2011

Vendor: HomeTeam Pest Defense Monthly Service				
	Date	Target Pest	Concentration	Amount
Library	6/7/2010	General//Ants/Spiders	.03% @ .75oz	1 Gal
City Hall	6/18/2010	General//Ants/Spiders	.03% @ .75oz	1 Gal
Library	7/12/2010	General//Ants/Spiders	.03% @ .75oz	1 Gal
City Hall	7/23/2010	General//Ants/Spiders	.03% @ .75oz	1 Gal
Library	8/2/2010	General//Ants/Spiders	.03% @ .75oz	1 Gal
City Hall	8/23/2010	General//Ants/Spiders	.03% @ .75oz	1 Gal
Library	9/13/2010	General//Ants/Spiders	.03% @ .75oz	1 Gal
City Hall	9/27/2010	General//Ants/Spiders	.03% @ .75oz	1 Gal
Library	10/4/2010	General//Ants/Spiders	.03% @ .75oz	1 Gal
City Hall	10/14/2010	General//Ants/Spiders	.03% @ .75oz	1 Gal
Library	11/1/2010	General//Ants/Spiders	.03% @ .75oz	1 Gal
City Hall	11/11/2010	General//Ants/Spiders	.03% @ .75oz	1 Gal
Library	12/6/2010	General//Ants/Spiders	.03% @ .75oz	1 Gal
City Hall	12/14/2010	General//Ants/Spiders	.03% @ .75oz	1 Gal
Library	1/3/2011	General//Ants/Spiders	.03% @ .75oz	1 Gal
City Hall	1/18/2011	General//Ants/Spiders	.03% @ .75oz	1 Gal
Library	2/7/2011	General//Ants/Spiders	.03% @ .75oz	1 Gal
City Hall	2/16/2011	General//Ants/Spiders	.03% @ .75oz	1 Gal

2010/2011 list of products used at the Golf Course

Golf Course Pesticide list:

Speedzone
Aquamaster
Pendulum
Lesco- Triple Play Plant Growth regulator
Confront
Drive 75 DF
Ronstar F
Daconil 2787
Glacier 106
26 GT Fungicide
Aquathol K
Ranger Pro
Surflan
Gopher Getter
Triplet
Q4
Koban 30
Speed Zone
Prostar 70 WDG
Lontrel
Sapphire
Invigorate
Jet Spray 3 Way
Tomb Stone, Wasp and Hornet Spray
Provant
Talpirid
Surflan-AS
Reward
Eximo
Dipel
Dimension Ultra 40 WP
Zerotol
Daconil Ultrex
Buctril
Confront
K-90
Magnify
Bueno 6
Durshan Pro
Link FE 5
Scotts Proturf Insecticide 3
Fertilizers: Main Stay, Calcium, Grow Pro, Nitro Verde

ANNUAL PESTICIDE USE REPORT

PESTICIDE	2009	2010	2011 (1/1/11-8/1/11)
<u>Round up Pro:</u>	142.25 Gal	14.75Gal	0
<u>Ranger Pro:</u>	0	135Gal	92Gal
<u>Aquamaster:</u>	0	1.5Gal	.75 Gal
<u>Garlon Ultra:</u>	32oz	o	1120z
<u>Stalker:</u>	8oz	24oz	0
<u>Fusilade II:</u>	96oz	67oz	11oz
<u>Weedar 64:</u>	32oz	128oz	0
<u>Gallery:</u>	24.5lbs	35lbs	0
<u>Endurance:</u>	51lbs	10lbs	0
<u>Dimension 2EW:</u>	0	10.25Gal	0
<u>Transline:</u>	0	50oz	0
<u>Surflan AS:</u>	0	0	5.75Gal
<u>Ron Star-Wsp:</u>	17lbs	0	0
<u>Embark:</u>	4Gal	0	0

**CITY OF PITTSBURG
LANDSCAPE MAINTENANCE
2009-2010**

PARKS

Mariner Park Expansion

25,730 s.f

Subtotal

25,730 s.f

Total

6,004,230 s.f

FACILITIES

Pittsburg Library

12,710 s.f

City Hall Parking Lot Expansion

1,200 s.f

Subtotal

13,910 s.f

Total

624,265 s.f

MEDIANS

West 10th Street

55,950 s.f

Center Drive

2,502 s.f

Subtotal

58,452 s.f

Total

683,678 s.f

RIGHT-OF-WAYS

Total

815,245 s.f.

OPEN SPACE TRAILS

Total

1,250,025 s.f

**CITY OF PITTSBURG
LANDSCAPE MAINTENANCE
2008-2009**

PARKS

Total **5,978,500 s.f.**

FACILITIES

Marina Vista Soccer Field 56,548 s.f.
Gateway Project (streetscape) 800 s.f.

Subtotal **57,348 s.f.**
Total **610,355 s.f.**

MEDIANS

West Leland (San Marco Villa's) 9,841 s.f.
Davi Street 2,100 s.f.

Subtotal **11,941 s.f.**
Total **625,226 s.f.**

RIGHT-OF-WAYS

Frontage Road (Burton to Crestview Lane) 28,500 s.f.
West Leland (San Marco Villa's) 10,830 s.f.
Railroad Avenue Greenbelt (California to Victory) 51,900 s.f.
Old town Streetscape (8th St. to 5th St.) 19,950 s.f.
Marina Vista Elementary perimeter 2,800 s.f.

Subtotal **113,980 s.f.**
Total **815,245 s.f.**

OPEN SPACE TRAILS

Total **1,250,025 s.f.**

BEFORE THE CITY COUNCIL OF THE CITY OF PITTSBURG

In the Matter of:

Resolution Establishing a Citywide)
Integrated Pest Management Policy)

RESOLUTION NO. 11-11676

The Pittsburg City Council DOES RESOLVE as follows:

WHEREAS, the current Municipal Regional Permit, adopted on October 14, 2009, mandates that permittees adopt an Integrated Pest Management (IPM) Policy to minimize reliance on pesticides that threaten water quality and to require the use of Integrated Pest Management in municipal operations and on municipal property; and

WHEREAS, the City provided a copy of the IPM Policy to the Regional Water Quality Control Board, which requested specific changes to various municipalities' IPM Policies, including a requirement for adoption of the IPM by the City's governing body; and

WHEREAS, the attached draft IPM meets the requirements of the National Pollutant Discharge Elimination System Municipal Regional Permit.

NOW, THEREFORE, the City Council finds and determines as follows:

Section 1. The above recitals are true and correct, and are incorporated herein.

Section 2. A Citywide Integrated Pesticide Management Policy establishing standard procedures, plans, and actions for management of pests and vegetation on all City-maintained property and rights of way is hereby approved.

Section 3. The City Manager has the authority to approve future changes to the Integrated Pest Management Policy as appropriate.

Section 4. This resolution shall take effect immediately upon its adoption.

PASSED AND ADOPTED by the City Council of the City of Pittsburg at a regular meeting on the 18th day of July 2011, by the following vote:

AYES: Evola, Johnson, Longmire, Parent, Casey
NOES: None
ABSTAINED: None
ABSENT: None



Will Casey, Mayor

ATTEST:


Alice E. Evenson, City Clerk



CITY OF PITTSBURG

**INTEGRATED PEST MANAGEMENT
PLAN**

IPM COORDINATOR:

GREG ST. PIERRE (925) 252-4000

IPM MANAGERS:

DON BUCHANAN (925) 252-4014

ANTHONY BALDAZO (925) 252-4166

WORKING DRAFT

IPM Standard Operating Procedures for City of Pittsburg

SECTION I. IPM PURPOSE

The purpose of this Integrated Pest Management (IPM) Program is to establish the standard procedures, plans, and actions for management of pests and vegetation on public lands, public rights of ways, and bodies of water in an environmentally sensitive manner while addressing public health, safety, economic, legal, and aesthetic requirements. The IPM Program provides guidelines for pest management, which adhere to stormwater regulations, reduce pesticide use, thereby reducing pollution associated with pesticide run-off pollution. In addition, this IPM provides guidance for structural pest control, and Construction and Development IPM alternatives.

These procedures include all Municipal Regional Permit (MRP) stormwater requirements under Provision C.9, Pesticides Toxicity Control (please see Attachment A for specific requirements in the MRP). The City of Pittsburg and the Contra Costa Clean Water Program work in conjunction to track and participate in regulatory processes, interface with county agricultural commissioners, and conduct public outreach. For guidelines regarding the City of Pittsburg IPM program please refer to SECTION IV. of this document for the City of Pittsburg's IPM Policy. The department responsible for implementing, overseeing, reviewing and updating, and reporting the IPM program is the Public Works Environmental Center, Don Buchanan (925) 252-4014 and Anthony Baldazo (925) 252-4025.

The IPM Program applies to all pest management related activities within the City of Pittsburg's jurisdiction, including all City of Pittsburg owned/operated facilities. Compliance with the provisions in the IPM Program is mandatory for all City of Pittsburg operations, and both current and future, contractors, and/or consultants providing pest management services to the City.

SECTION I.A. DEFINITIONS:

CONTRACT: a binding written agreement requiring the services of an outside provider for grounds maintenance or any pest control related services.

CONTRACTOR: a person, firm, corporation or other entity, including a governmental entity that enters into a contract with a department.

EMERGENCY: a pest outbreak that poses an immediate threat to public health or significant economic or environmental damage.

EXEMPTION: a process by which materials not on the tiered product list can temporarily be used, but only after all alternatives have been reviewed, evaluated, and/or implemented and only after the IPM Coordinator has authorized the use of the pesticide for the specific purpose. The application for an exemption shall be filed on a form specified by and signed by the IPM Coordinator. The decision to approve an exemption will be based upon an evaluation of the failure of alternatives, and taking into consideration public health, environmental and financial risks.

HAZARDOUS MATERIAL: a chemical or mixture that may pose a physical hazard, health hazard, or environmental hazard and that is regulated under the law to control its harmful effects. This definition is not intended to be rigid or legalistic because all materials regulated in this manner merit special attention and consideration under this program.

INTEGRATED PEST MANAGEMENT: a decision-making and action process that uses the most appropriate pest control methods and strategy in an environmentally and economically sound manner to meet agency programmatic pest management objectives. IPM is also an ecosystem-based strategy that focuses on long-term prevention of pests or their damage through a combination of techniques such as biological control, habitat manipulation, modification of cultural practices, and use of resistant varieties.

IPM Coordinator: a designated individual that facilitates the IPM program and oversees the application of pesticides or contract pesticide applicators. The Public Works Superintendent may appoint a person to coordinate these activities and serve as the primary point of contact. The IPM coordinators shall be trained in the principles of low-risk IPM, safe application of pesticides and alternatives to pesticide use.

IPM POLICY: a written document that serves as a guideline for the City to use as a strategy to implement our IPM Program.

IPM PROGRAM: coordinated pest management approaches that implement the IPM policy, management plans specific to types of sites or pests, training requirements, record keeping, and evaluation practices.

LANDSCAPES: grounds that are actively managed such as parks, plantings and laws around public buildings, right-of-ways, watersheds, and open spaces.

PEST: any insect, rodent, nematode, snail, weed, fungus or other form of plant or animal life that adversely interferes with the aesthetic, health, safety, environmental or economic goals of a jurisdiction. Pest shall not include viruses or microorganisms on or in a living person or animal, but shall include plant diseases.

PESTICIDES: are chemical agents registered as pesticides by the California Food and Agricultural Code, Section 12753 of Chapter 2 of Division 7, which can be an herbicide, insecticide, fungicide or other chemical that repels, changes the regular growth rate of, kills, or otherwise reduces levels of a targeted pest or pests.

PESTICIDE FREE ZONES: a site or area within a site designated as a "Pesticide Free Zone" in order to further reduce and eliminate pesticide use in areas of higher public exposure or areas with high environmental sensitivity. Any pesticide use deemed necessary for the protection of public areas, public safety, and environment in these zones will only be authorized through the exemption process.

SUSTAINABLE DESIGN, CONSTRUCTION, AND MAINTENANCE: principles, materials, and techniques that conserve natural resources and improve environmental quality through the life cycle of landscape and its surrounding environment. Sustainable designs for buildings and landscapes incorporate methods that reduce the potential for pest problems from the start and with long-term maintenance needs in mind.

TOXICITY CATEGORY I PESTICIDE PRODUCT: any pesticide product that meets U.S. EPA criteria for Toxicity Category I under Section 156.10 of Title 40 of the Code of Federal Regulations.

TOXICITY CATEGORY II PESTICIDE PRODUCT: any pesticide product that meets U.S. EPA criteria for Toxicity Category II under Section 156.10 of Part 156 of Title 40 of the Code of Federal Regulations.

SECTION I.B. ACRONYMS AND ABBREVIATIONS

BASMAA Bay Area Stormwater Management Agencies Association

BMP Best Management Practices

CCCWP Contra Costa Clean Water Program

EPA Environmental Protection Agency

IPM Integrated Pest Management

MRP Municipal Regional Permit

NPDES National Pollutant Discharge Elimination System

SOP Standard Operating Procedure

MSDS Material Safety Data Sheet

SECTION II. IPM STORMWATER PERMIT GUIDELINES

The City of Pittsburg's current NPDES now a Bay Area Wide Stormwater permit or Municipal Regional Permit (MRP), No. CAS612008, Order Number R2-2009-0074, issued on October 14, 2009 states in Provision C.9 Pesticides Toxicity Control (Appendix A), all Permittees shall prevent the impairment of urban streams by pesticide-related toxicity and implement a pesticide toxicity control program that addresses their own and others' use of pesticides within their jurisdiction that pose a threat to water quality and that have the potential to enter the municipal conveyance system. Provision C.9 also includes requirements such as adoption and implementation of an IPM Policy or Ordinance, training of municipal employees to implement IPM, Tracking, and participation in regulatory processes for pesticides, interface with county agricultural commissioners, evaluating source control actions relating to pesticides, public outreach for pesticides, and outreach to pest control contractors.

Additional requirements of Provision C.9, such as tracking and participation in regulatory processes for pesticides, interfacing with county agricultural commissioners, and public outreach for pesticides will be done in conjunction with the Contra Costa Clean Water Program.

SECTION II.A ROLES AND RESPONSIBILITIES

In order to establish an effective IPM program, individual tasks are delegated to Public Works staff representatives who are responsible for implementing the main components of an IPM program. The following are the designated municipal staff to oversee the IPM program:

- ***Don Buchanan (925) 252-4014***
and Anthony Baldazo (925) 252-4025 (Public Works Supervisor)
- ***Greg St. Pierre (925) 252-4000 (IPM Coordinator)***

The duties for each designated role are as follows:

The Public Works Supervisors shall be responsible for:

1. Ensuring that department procedures, budget and staffing decisions support implementation of the IPM program (See Section V. implementation of the IPM Program)
2. Providing training to building grounds management staff in the requirements of the IPM program (see Appendix F for Training Records)

3. Designating and IPM Coordinator to ensure products used by the Department meet the standards outlined in the IPM program and represents the Department on the IPM Committee
4. At least annually and in conjunction with the IPM Coordinator report to the City Manager and/or City Council on the Department's implementation of the IPM program.
5. Manage all IPM Contracts with pesticide/herbicide applicators as needed (See Appendix B for sample contract agreement).

The IPM Coordinator shall be responsible for:

1. Coordinating efforts to adopt IPM techniques;
2. Communicating with all staff on the goals and guidelines of the program;
3. Coordinating training programs for staff;
4. Tracking all pesticide use and ensuring that the information is available to the public;
5. Prepare the IPM Annual Report;
6. Coordinating with other public agencies that are practicing IPM.
7. The IPM Coordinator will be responsible for preparing an annual report for the IPM program activities.

SECTION II.B IPM IMPLEMENTATION PRACTICES

This section outlines the specific practices to be followed for pesticide selection and approval, choosing a pesticide applicator/service, and appropriate pesticide application practices such as education and training for applicators, notification of applying a pesticide, record keeping and outreach to the public.

In addition, the City will conduct inspections to ensure that any contractor employed to conduct pest control and pesticide application on municipal property engages in pest control methods consistent with this IPM Program. Contractors will be required to follow the City's IPM policy, SOPs, and BMPs, provide evidence to the City of having received training on current IPM techniques when feasible, and provide documentation of pesticide use on City property to the City Public Works Superintendent in a timely manner. In addition, the contractor shall submit an IPM implementation plan to the City that includes:

- TYPES AND ESTIMATED QUANTITIES OF PESTICIDES THAT THE CONTRACTOR MEY NEED TO APPLY DURING ITS CONTRACTED WORK
- OUTLINE ACTIONS THE CONTRACTOR WILL TAKE TO MEET THE IPM PROGRAM TO THE MAXIMUM EXTENT PRACTICABLE
- IDENTIFY THE PRIMARY IPM CONTRACT FOR THE CONTRACTOR

The City of Pittsburg shall require IPM certification from an approved IPM program such as Ecowise, Bay Friendly, or another program approved by the Regional Board. In addition, the contractor will sign a contract for pesticide application services that includes the IPM implementation plan detailed above that has been approved by the City and contractor prior to the start of application services. A model contract for IPM services has been included in this document as Appendix B.

A contractor, or department / operating unit on behalf of a contractor, may apply for any material application exemption authorized under the exemptions section 2.1.d of this IPM program.

SECTION II.C. PESTICIDE SELECTION AND APPROVAL

The City of Pittsburg will make product recommendations based on tiered risk assessment of pesticides. The IPM Coordinator and Manager will develop this tiered risk assessment of pesticides. A prioritized list of products will be developed to identify products that may be targeted for future phase-out based on review of the product's contents, precautions, need for the product, and adverse health and environmental effects. The list shall be submitted as part of the annual report. The list may also be used if determined appropriate by the IPM Manager in compliance with the emergency exemption process (see Section 2.1.d).

Criteria for developing the product list shall be based on acute and chronic toxicity of products and chemicals known to cause cancer and known to cause reproductive toxicity. Environmental impacts of the products shall also be considered. Pesticides listed in C.9 as pesticides of concern will go through a more rigorous process for use and approval than pesticides that are not on the approved list but are not considered pesticides of concern by the Water Board.

Products on the Tiered Product List will be divided into three classifications:

- Approved Use
- Limited Use
- Banned Use

If the use of a material that is not on the Approved Use or Limited Use or Limited use tier list is deemed necessary, the IPM Coordinator may apply for an emergency exemption.

SECTION II.D. EMERGENCY EXEMPTION

The Public Works Department may apply to the Public Works Supervisor for an emergency exemption to use a Banned Use product in the event that an emergency pest outbreak poses an immediate threat to public health or significant economic

damage will result from failure to use a pesticide. See Appendix D for a list of products phased out from prior use based on their product tier system. The Public Works Superintendent shall respond to the application in a timely manner. If the requesting department is unable to reach the Public Works Supervisor, the IPM Coordinator may authorize the one-time emergency use of the required pesticide. The IPM Coordinator may authorize the one-time emergency use of the required pesticide. The IPM coordinator must notify the Public Works Supervisor of the determination to use the pesticide prior to its application in the event that the IPM Coordinator is unavailable to make the request to the Public Works Supervisor. The Public Works Superintendent will review the circumstances of the emergency permit issued by the IPM Coordinator. Signs shall be posted at the time of application and remain posted two (2) days following the application (see Appendix G for sign example). The IPM Coordinator may impose additional conditions for emergency applications such as limited use around sensitive areas housing people, wildlife habitat, and waters of the State. All pesticide application will abide by State and Federal application law.

SECTION II.E. ESTABLISHMENT OF PESTICIDE FREE ZONES

The City of Pittsburg has designated pesticide –free zones; zones free of pesticide application at various locations within the City. The following areas have been established as “Pesticides Free Zones”.

- Play grounds / tot lots
- Public Parks
- Creeks

Pesticide applications at other City facilities are done by spot spraying.

SECTION II.F. EDUCATION AND TRAINING

The Federal Pesticide, Fungicide, and Rodenticide Act and California Title 3, Division 6, Pesticides and pest Control Operations place strict controls over pesticide application and handling and specify training, annual refresher, and testing requirements. The regulations generally cover a list of approved pesticides and selected uses that is updated regularly, general application information; equipment use and maintenance procedures, and record keeping. The California Department of Pesticide Regulations and the County Agricultural Commission coordinate and maintain the licensing and certification programs. All municipal employees who apply pesticides and herbicides in “Agricultural use” areas such as parks, golf courses,, rights-of-way and recreation areas should be properly certified in accordance with state regulations. Contracts for landscape maintenance will include certification requirements.

All staff associated with planning, design, construction and maintenance of buildings and landscapes shall receive an orientation to this IPM program and their roles and responsibilities in implementing it in a written or verbal format.

All municipal employees who handle pesticides should be familiar with the most recent material safety data sheet (MSDS) files.

The IPM Coordinator will be responsible for coordinating training events for all pesticide applicators and municipal staff involved with buildings and grounds maintenance. IPM training may be coordinated through the Contra Costa Clean Water Program or other through regional efforts with other Bay Area Stormwater Agencies Association (BASMAA) members. The IPM Coordinator shall invite speakers and arrange for other educational opportunities to assist in implementing the IPM each year. The IPM Coordinator shall inform employees on Department policies and procedures relevant to this IPM Program and keep staff current with best landscape-management practices and technologies that utilize IPM. Employee shall also be involved in identifying and implementing strategies to minimize the use of pesticides and in evaluating replacements for chemicals targeted for phase-out.

All personnel involved in pest management activities shall receive training on:

- The IPM Program
- Identification and lifecycle of typical northern California pests, weeds, and beneficial insects, threshold levels for different landscapes, monitoring techniques, and strategies for successful management of these pests
- Noxious weed identification, control, and regulations
- Pesticide laws and safety
- Specific best management practices as appropriate

Training will be provided by the City of Pittsburg staff, IPM consultants, IPM technical advisors and invited guest speakers. The IPM Coordinator, with assistance from any existing IPM Committee, will schedule training. Training and educational opportunities, both formal and informal, will also occur at building and landscape staff meetings. Managers and supervisors are not only expected to participate in the training, but to fully support involvement of their staff and contractors in the training.

SECTION III. IPM POLICY

SECTION III.A. IPM PRACTICES

There are three main types of managerial areas concerned with IPM: Structural, Landscape, and Construction and Development IPM. This section discusses the definitions of these managerial areas, common pest concerns involved, and suggested strategies for IPM implementation.

This is a working document and will be modified as more pest information and technologies become available.

SECTION III.A.1. STRUCTURAL IPM

Structural maintenance includes the management of pests in and around building structures such as office complexes, libraries, correctional facilities, hospitals, schools, yards, animal shelters, etc. Pest management in and around buildings typically involve a combination of chemical (insecticide) application and/or mechanical methods of removing pests. All of these maintenance practices have the potential to harm the environment and human health.

Common pest concerns for buildings include ants, rodents, spiders, and other organisms. These organisms usually enter buildings for shelter and food but are unwanted near inhabitants.

The City of Pittsburg will assess the current pest problems in and around their public buildings to develop a site-specific pesticide and grounds maintenance plan for all public sites as needed. These plans will include a management strategy for pests incorporating IPM practices for inside and outside all public buildings. Many of the IPM protocols for removing such organisms from buildings involve prevention strategies.

SECTION III.A.2. LANDSCAPE IPM

Landscape maintenance includes the management of pest in and around medians, rights of ways, airports, parks, plazas, open space, creek areas, country clubs, gardens, and golf courses. Landscape maintenance activities include vegetation removal, herbicide and insecticide application, fertilizer application, watering, and other gardening and lawn and landscape care practices. Vegetation control typically involves a combination of chemical (herbicide) application and mechanical methods. All of these maintenance practices have the potential to contribute pollutants o the storm drain system.

The common pest concerns for landscape and turf include noxious weeds, rodents, ground squirrels, and other invasive animals that destroy the welfare of the landscape plants.

The main objective of this BMP is to minimize the discharge of pesticides, herbicides, and fertilizers to the storm drain system and receiving waters, and to prevent the disposal of landscape waste by properly disposing of clippings and cuttings, and educating City employees and the general public.

Many of the IPM protocols for turf and landscape management include:

- PROTECTION OF THE STORM DRAIN SYSTEM FROM CONTAMINATED RUNOFF
- PROPER DISPOSAL OF REMOVED VEGETATION
- SMART IRRIGATION MANAGEMENT TO CONTROL RUNOFF FROM OVERWATERING
- MANUAL WEEDING RATHER THAN USE OF CHEMICALS/HERBICIDES
- MANUAL REMOVAL OF PESTS OF VEGETATION (I.E. BIRDS, INSECTS, ETC.)
- COMPOSTING AND MULCHING PRACTICES
- ALTERNATIVE LANDSCAPING OTHER THAN TURF
- ALTERNATIVE FERTILIZATION PRACTICES AND PRODUCTS
- EROSION CONTROL
- PLANTING OF NATIVE, DROUGHT RESISTANT PLANT
- REDUCING PESTICIDE/HERBICIDE/INSECTICIDE USE
- REMOVAL AND REPLACEMENT OF PLANTS LADEN WITH BACTERIA, PARASITES, AND FUNGI
- PREVENTION PRACTICES TO WARD OFF PESTS FROM LANDSCAPED AREAS
- PROMOTING BENEFICIAL ORGANISMS TO FEED ON PESTS
- UNDERSTANDING OF CURRENT PEST PROBLEMS THAT EXIST RATHER THAN RELYING ON A PREVENTATIVE SCHEDULE OF APPLYING CHEMICALS
- TESTING OF SOILS FOR PROPER ADDITIVE APPLICATION
- EDUCATION OF EMPLOYEES ON IPM METHODS AND INSPECTION OF CONTRACTED EMPLOYEES FOR IPM PRACTICES
- DOCUMENTATION AND MONITORING OF ALL PESTICIDE USE

SECTION III.A. 3. CONSTRUCTION AND DEVELOPMENT IPM

Construction and development IPM involves design and renovation of existing landscape. Poorly planned landscape designs may require intensive maintenance and greater reliance on pesticides for pest control than landscapes created with IPM design specifications.

New and renovated City landscaping projects should take into account parameters that will enhance the intended use of land and minimize pest problems; such as types of uses, soil conditions, grading and slope, water table, drainage, proximity to sensitive

areas, selection of vegetation and vector control issues. Priority shall be given to IPM strategies when designing new and renovating existing landscape areas.

SECTION III.B PESTICIDE USE

Pesticide use within the City of Pittsburg is determined by a risk assessment of each pest situation. Each risk assessment includes analysis of what pest is causing the damage (e.g., weed, insect, rodent, etc.), use of non-chemical pest control methods, monitoring of control of pests through non-chemical methods, then application of pesticides as a last resort. Pesticides used by the City of Pittsburg are selected based on risk assessment of the human health and environmental effects of the chemical selected.

SECTION III.C APPROVED LIST OF PESTICIDES

The City of Pittsburg will develop and maintain a list of approved pesticides. Criteria for developing the pesticide list is based on acute and chronic toxicity of products, chemicals known to cause cancer and known to cause reproductive toxicity, and environmental impacts of the products are also considered. Pesticides of concern listed in C.9 of the MRP will go through a more rigorous process for approval. Each pesticide used is monitored and recorded using a pesticide management database (see Attachment D).

SECTION III.D PESTICIDE APPLICATORS

All pesticide applicators and IPM providers shall have IPM training and certification as required by the MRP. All IPM contractors shall be IPM-certified or have IPM language in their contracts as required by the MRP. An example contract with IPM language is provided as Attachment D. All IPM providers are required to follow these standard operating procedures as well the **City of Pittsburg IPM Policy**.

SECTION III.E IPM TRAINING

All pesticide applicators will be trained in IPM. IPM training may include local, countywide, or regional efforts. All staff associated with planning, design, construction, and maintenance of buildings and landscaping shall receive an orientation to these standards operating procedures and their roles and responsibilities in implementing IPM within their work duties.

SECTION III.F IPM OUTREACH

Pesticide application information will be provided to the public upon request. Public outreach for IPM includes point of purchase outreach and contractor outreach by the Bay Area Stormwater Management Agencies Association (BASMAA) as required by the MRP.

WORKING DRAFT

SECTION IV. IPMLEMENTATION OF THE IPM PROGRAM

The goal of the City of Pittsburg is to reduce its use of pesticide use and ultimately replace all pesticides with non-toxic methods of controlling pests on City property. The City of Pittsburg has developed an IPM Program that outlines IPM activities that include the following elements:

1. Inspection Procedures and Corrective Actions when an action threshold is reached (See Appendix C)
2. Pesticide Specific IPM implementation (See Appendix D)
3. Monitoring of Pesticide Effectiveness (See Appendix E)

WORKING DRAFT

APPENDIX A PROVISION C.9 PESTICIDE TOXICITY CONTROL

WORKING DRAFT

**APPENDIX B SAMPLE PESTICIDE APPLICATOR CONTRACT
SPECIFICATIONS**

WORKING DRAFT

City of Pittsburg IPM Contract

**Structural Integrated Pest Management Program:
Contract Specifications for the City of Pittsburg**

CONTRACT NO. _____

Premises covered by this specification:

1. _____
2. _____
3. _____
4. _____
5. _____

(Attach additional list if necessary)

1. GENERAL

- A. Description of Program: This specification is part of a comprehensive Integrated Pest Management (IPM) program for the premises listed above. IPM is a process for achieving long-term, environmentally sound pest suppression and prevention through the use of a wide variety of technological and management practices. Control strategies in an IPM program include:
- Structural and procedural modifications to reduce food, water, harborage and access used by pests.
 - Non-pesticide technologies such as trapping and monitoring devices.

- City Public Works Superintendent among all facilities management programs that have a bearing on the pest control effort.
- As a last resort, pesticide compounds, formulations and application methods that present the lowest potential hazard to humans and the environment.

B. IPM Service Requirements: The Service Provider shall furnish all supervision, labor, materials, and equipment necessary to accomplish the monitoring, trapping, pesticide application, pest removal and pest prevention components of this IPM program. Any deviations from this program must be approved by the City Public Works Superintendent

2. PESTS INCLUDED

The Service Provider shall adequately suppress all pest species that have the potential to affect public health, impede operations or damage property, including but not limited to:

- Indoor populations and invading individuals of rodents, insects, arachnids, and other arthropods.
- Outdoor populations of potentially indoor-infesting species that are within the property boundaries of the specified buildings.
- Nests of stinging insects within the property boundaries of the specified buildings.
- Termites and other wood-destroying organisms.
- Birds, bats, small mammals, and all other vertebrates.
- Mosquitoes.

3. PEST CONTROL PERSONNEL

Throughout the term of this contract, all personnel providing on-site pest control service must maintain certification as commercial pesticide applicators in the appropriate categories for the facilities listed above. Uncertified individuals working under the supervision of a certified applicator will not be permitted to provide service under this contract.

4. SERVICE PROVIDER IPM PLAN

The Service Provider shall submit to the CITY PUBLIC WORKS SUPERINTENDENT an IPM Plan at least five (5) working days prior to the starting

date of the contract. If aspects of the Plan are incomplete or disapproved by the CITY PUBLIC WORKS SUPERINTENDENT, the Contractor shall have two (2) working days to submit revisions. The IPM Plan shall consist of three parts as follows:

- A. Pesticide Labels and MSD Sheets: The Service Provider shall provide current Labels and Material Safety Data Sheets for all pesticides that will potentially be used in the pest control program.
- B. Service Schedule(s): The Service Provider shall provide a schedule of routine pest control inspections for each building serviced under this contract, including frequencies of inspections, areas at each facility to be given special attention (e.g., food storage, preparation and serving areas; washrooms; custodial closets; mechanical rooms; entryways) and specific day(s) of the week on which the inspections will be performed.
- C. Commercial Pesticide Applicator Licenses and Certificates: The Service Provider shall provide a photocopy of the State-issued Commercial Pesticide Applicator License for every Contractor performing on-site pest control service under this contract, and a photocopy of the State-issued Commercial Pesticide Applicator Certificate for every pest management professional (PMP) performing on-site pest control service.

The Service Provider shall receive the approval of the City Public Works Superintendent prior to implementing any subsequent changes to the approved Service Provider IPM Plan, including additional or replacement pest control products. The Service Provider will review and update the Service Provider IPM Plan annually, including updating MSDS/labels as needed.

4. RECORD KEEPING

The Service Provider shall be responsible for maintaining an IPM logbook or file for each building specified in this contract. These records shall be kept on-site and maintained on each visit by the PMP performing pest control service. Each logbook or file shall contain at least the following items:

- A. IPM Plan: A copy of the Service Provider's approved IPM Plan, including pesticide Labels and MSDS sheets for all pesticides that will be potentially used in the building, service schedule for routine pest control inspections, and photocopies of the relevant Commercial Pesticide Applicator Licenses and Certificates.
- B. Building Occupant Log Form: These forms will be used to advise the Service Provider of routine service requests and pest sightings by building occupants.
- C. Service Provider's Report Forms: Customer copies of the Service Provider's signed and dated Service Report Form, documenting all information on services provided including pesticide applications required by State and local statute. This form must also indicate any recommendations made by the Service Provider for additional action advisable by the customer, e.g., structural or plumbing repairs required to limit pest access to the building or to food and water resources; improvements in sanitation, etc. A copy of this form must also be provided to the City Public Works Superintendent within one week of the service.
- D. Service Provider Products and Devices: All bait stations, snap traps and glue boards or other devices left behind by the Service Provider are to be dated, numbered and listed on the Service Provider Report Form and checked on each subsequent visit until removed. All such devices shall be removed when full, dirty and no longer effective, or no longer needed.

5. MANNER AND TIME TO CONDUCT SERVICE

- A. Time Frame of Service Visits: Frequent and complete communication between the Service Provider and the facility manager is critical for a successful outcome. Routine pest control services that do not adversely affect staff or patient health or productivity shall be performed during the regular building hours of operation. When it is necessary to perform work outside of the regularly scheduled service time set forth in the Service Provider IPM Plan, the Contractor shall notify the City Public Works Superintendent and/or facility manager at least one day in advance.

B. Safety and Health: All pest control work shall be in strict accordance with all applicable Federal, State, and local safety and health requirements. Where there is a conflict between applicable regulations, the most stringent will apply.

C. Special Entrance: Certain areas within some buildings may require special instructions for persons entering them. Any restrictions associated with these special areas will be explained by the City Public Works Superintendent. The Service Provider shall adhere to these restrictions and incorporate them into the Service Provider IPM Plan.

E. Uniforms: All Service Provider representatives working in or around the buildings specified in this contract shall wear distinctive uniforms identifying the name of their employer.

F. Vehicles: Vehicles used by the Service Provider shall be identified in accordance with State and local regulations.

6. SPECIAL REQUESTS AND EMERGENCY SERVICE

On occasion, the City Public Works Superintendent may request that the Service Provider perform corrective, special or emergency service(s) that are beyond routine service requests such as removal of a stinging insect nest. The Service Provider shall respond to these exceptional circumstances and complete the necessary work within twenty-four (24) hours after receipt of the request.

7. INSECT CONTROL

A. Emphasis on Non-Pesticide Methods: Non-pesticide methods of control shall be used wherever possible. For example:

1. Portable vacuums rather than pesticide sprays shall be the standard method for initial cleanouts of cockroach infestations, for swarming (winged) ants and termites, and for control of spiders in webs.

2. Trapping devices rather than pesticide sprays shall be the standard method for indoor fly control.

B. Application of Insecticides to Cracks and Crevices: As a general rule, all insecticides shall be applied as "crack and crevice" treatments only, defined in this contract as treatments in which the formulated insecticide is not visible to a bystander or accessible to children during or after the application process.

C. Application of Insecticides to Exposed Surfaces or as Space Sprays: Application of insecticides to exposed surfaces or as space sprays ("fogging") shall be restricted to exceptional circumstances where no alternative measures are practical. The Service Provider shall obtain approval of the CITY PUBLIC WORKS SUPERINTENDENT prior to any application of insecticide to an exposed surface or any space spray treatment. No surface application or space spray shall be made while staff, patients or visitors are present. The Service Provider shall take all necessary precautions to ensure staff, patient and visitor safety, and all necessary steps to ensure the containment of the pesticide to the site of application.

D. Insecticide Bait Formulations: Bait formulations shall be the standard pesticide technology for cockroach and ant control, with alternate formulations restricted to unique situations where baits are not practical.

E. Monitoring: Sticky traps shall be used to guide and evaluate indoor insect control efforts wherever necessary.

8. RODENT CONTROL

A. Indoor Trapping: As a general rule, rodent control inside buildings shall be accomplished with trapping devices only. All such devices shall be concealed out of the general view and in protected areas so as not to be affected by routine cleaning and other operations. Trapping devices shall be checked on a schedule approved by the CITY PUBLIC WORKS SUPERINTENDENT. The Service Provider shall be responsible for disposing of all trapped rodents and all rodent carcasses in an appropriate manner.

B. Use of Rodenticides: In exceptional circumstances, when rodenticides are deemed essential for adequate rodent control inside buildings, the Service

Provider shall obtain approval of the CITY PUBLIC WORKS SUPERINTENDENT prior to making any interior rodenticide treatment. All rodenticides, regardless of packaging, shall be placed either in locations not accessible to children, pets, wildlife and domestic animals, or in EPA-approved tamper-resistant bait boxes. As a general rule, rodenticide application outside buildings shall emphasize the direct treatment of rodent burrows wherever feasible.

C. Use of Bait Boxes: All bait boxes shall be maintained in accordance with EPA regulations, with an emphasis on the safety of non-target organisms. The Service Provider shall adhere to the following five points:

1. All bait boxes shall be placed out of the general view, in locations where they will not be disturbed by routine operations.
2. The lids of all bait boxes shall be securely locked or fastened shut.
3. All bait boxes shall be securely attached or anchored to floor, ground, wall, or other immovable surface, so that the box cannot be picked up or moved.
4. Bait shall always be secured in the feeding chamber of the box and never placed in the runway or entryways of the box.
5. All bait boxes shall be labeled on the inside with the Service Provider's business name and address, and dated by the Service Provider at the time of installation and each servicing.

10. USE OF PESTICIDES

The Service Provider shall be responsible for application of pesticides according to the label and all applicable regulations. All pesticides must be registered with the U.S. Environmental Protection Agency (EPA), State and/or local jurisdiction unless prior approval is given by the CITY PUBLIC WORKS SUPERINTENDENT. Transport, handling, and use of all pesticides shall be in strict accordance with the manufacturer's label instructions and all applicable Federal, state, and local laws and regulations.

The Service Provider shall adhere to the following rules for pesticide use:

- A. Rentry Time, Posting and Notification: Pesticides may not be applied where staff, patients or visitors will be present within seven hours after the application. At least seventy-two hours prior to a pesticide application, the Service Provider shall post an 8 ½ x 11" pest control information sign both at the site of the application and near the facility reception area where it will be seen by visitors entering the facility. This posting shall include the date, time and location of the application; the product applied, potential adverse effects from the Material Safety Data Sheet (MSDS) and the pesticide label, and includes the Service Provider name, address and telephone. Service Provider shall also provide this information to the facility director who will use this information to notify staff and patients who have requested notification. Emergency applications, where pests pose an immediate threat to the health and safety of patients, visitors or employees, disinfectants, anti-microbials and self-contained or gel-type pesticide baits applied in inaccessible areas are exempt from posting, notification and the 7-hour reentry requirement.
- B. Approved Products: No pesticide product shall be applied that has not been included in the Service Provider IPM Plan or approved in writing by the CITY PUBLIC WORKS SUPERINTENDENT.
- C. Pesticide Storage: The Service Provider shall not store any pesticide product in the buildings specified in this contract.
- D. Application by Need: Pesticide application shall be according to need and not by schedule. As a general rule, application of pesticides in any inside or outside area shall not occur unless visual inspection or monitoring devices indicate the presence of pests in that specific area, and only after all non-toxic means have been exhausted and shown to be unsuccessful. Requests for preventive pesticide treatments in areas where surveillance indicates a potential insect or rodent infestation will be evaluated by the CITY PUBLIC WORKS SUPERINTENDENT on a case-by-case basis. Written approval must be granted by the CITY PUBLIC WORKS SUPERINTENDENT prior to any preventive pesticide application.
- E. Minimization of Risk: When pesticide use is necessary, as a last resort the Service Provider shall employ the least hazardous material, most precise application technique and minimum quantity of pesticide necessary to achieve control.

11. SUMMARY

Service Provider agrees to the following:

- ___ 1. Review the City of Pittsburg IPM Policy, IPM Plan and Contractions Specifications and discuss any deviations from these documents with the CITY PUBLIC WORKS SUPERINTENDENT.
- ___ 2. Provide training for all employees serving facilities consistent with the City of Pittsburg IPM Policy, IPM Plan and Contract Specifications.
- ___ 3. Provide a Service Provider IPM Plan including MSDS, labels, inspection schedule and applicator certifications and licenses to the CITY PUBLIC WORKS SUPERINTENDENT for approval at least five days before the contract start date. Update the Service Provider IPM Plan annually.
- ___ 4. Provide a binder for each facility serviced including the IPM Plan, a pest sightings log and a section for service records.
- ___ 5. Provide service consistent with the City of Pittsburg IPM Policy, Plan and Specifications, and obtain written approval from the CITY PUBLIC WORKS SUPERINTENDENT before deviating from these documents.

CONTRACT ATTACHMENT A. PRE-APPROVED PEST CONTROL PRODUCT LIST

The following products may be used with justification and according to the specifications above:

WORKING DRAFT

APPENDIX C NOTICE OF PESTICIDE APPLICATION

Pesticide use information shall be made available to City Staff and the public upon request. Each department shall maintain a list of all materials applied on a site-specific basis. The list shall be made available at each department's main offices or made available to the public upon request.

Posting of pesticide use is done for joint use parks and recreational areas jointly used with the Pittsburg School District.

WORKING DRAFT

APPENDIX D PESTICIDE SPECIFIC IPM IMPLEMENTATION

A. APPROVED USE PRODUCTS

These pesticides have been approved for use by the {responsible party}, along with any restrictions for such use. The Approved Use Products list shall include but are not limited to:

- Insecticides, rodenticide baits and traps
- Caulking agents and crack sealants
- Borates, silicates, and diatomaceous earth
- Soap-based products
- Natural products on the FIRFA's 23(b) list (40 DFR part 152.25 (g)(1))¹
- Natural products on the California Certified Organic Farmer's organic list
- EPA GRAS- generally recognized as safe products pursuant to Federal EPA
- Cryogenics, electronic, products, heat, and light
- Biological controls such as parasites and predators
- Physical Barriers
- Sluggo
- Pheromones and attractants for traps

B. LIMITED USE PRODUCTS

The {responsible party} may grant a recommendation that particular pesticides not classified as the Approved use be approved for a specific purpose. Limited use products may not be a pesticide on the Banned Use Product . The request to use a product on the limited Use list must be reviewed and approved by the **Public Works Superintendent**.

A limited use exemption may be granted upon a finding that the requestor has:

1. Identified a compelling need to use the pesticide.
2. Made a good faith effort to find alternatives to the particular pesticide.
3. Demonstrated that effective, economic alternatives to the particular pesticide do not exist for the particular use.
4. Developed a reasonable plan for investigating alternatives to the pesticide in question during the exemption period.

C. BANNED USE PRODUCTS

The following high health risk pest management products are completely banned from use in Contra Costa:

1. PESTICIDES LINKED TO CANCER (US EPA CLASS A, B, AND C CARCINOGENS AND CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER UNDER PROPOSITION 65).
2. PESTICIDES THAT CAUSE BIRTH DEFECTS, REPRODUCTIVE, OR DEVELOPMENT HARM (IDENTIFIED BY THE US EPA OR KNOWN TO THE STATE OF CALIFORNIA UNDER PROPOSITION 65 AS REPRODUCTIVE OR DEVELOPMENT TOXINS).
3. PESTICIDES CLASSIFIED AS TOXICITY CATEGORY I AND II PESTICIDE PRODUCTS BY THE US EPA, CARBONATE, AND ORGANOPHOSPHATE PESTICIDES.
4. FOGGERS, BOMBOB, FUMIGANTS, OR SPRAYS THAT CONTAIN PESTICIDES IDENTIFIED BY THE STATE OF CALIFORNIA AS POTENTIALLY HAZARDOUS TO HUMAN HEALTH (CFR, 6198.5)
5. PESTICIDES THAT INTERFERE WITH HUMAN HORMONES.

WORKING DRAFT

APPENDIX E PESTICIDE MANAGEMENT RECORD

WORKING DRAFT



**OFFICE OF THE CITY MANAGER/EXECUTIVE DIRECTOR
65 Civic Avenue
Pittsburg, CA 94565**

DATE: 7/1/2011
TO: Mayor and Council Members
FROM: Joe Sbranti, City Manager
SUBJECT: Adoption of a City Council Resolution Establishing a Citywide Integrated Pest Management Policy

MEETING DATE: 7/18/2011

EXECUTIVE SUMMARY

In accordance with the City's Municipal Regional Stormwater NPDES Permit (Order R2-2009-0074), Provision C.9 Pesticides Toxicity Control, the City is required to adopt an Integrated Pest Management (IPM) Policy. The objective of this policy is to establish the standard procedures, plans, and actions for management of pests and vegetation on all City-maintained property and rights of way.

FISCAL IMPACT

There is no fiscal impact to adopt this resolution.

RECOMMENDATION

City Council adopt the attached resolution adopting a Citywide Integrated Pest Management Policy.

BACKGROUND

Under the federal Clean Water Act, the City is subject to regulation because of its jurisdiction over maintenance responsibility for storm sewer systems owned and operated by the City. The City Joined Contra Costa County and 18 other incorporated cities, collectively called the Contra Costa Clean Water Program, under a joint National Pollutant

Discharge Elimination System (NPDES) Permit administered by the San Francisco Regional Water Quality Control Board.

NPDES permittees are tasked with the responsibility to maintain and improve the water quality in their jurisdictions by regulating the quality and quantity of discharges into their storm sewer systems. In October 2009, the San Francisco Regional Water Quality Control Board issued a Municipal Regional Stormwater National Pollutant Discharge Elimination System Permit, replacing the previously expired NPDES permit. This Municipal Regional Permit (MRP) encompasses Contra Costa, Alameda, Santa Clara, San Mateo Counties, Fairfield-Suisun, and Vallejo, and subjects all permittees to virtually the same requirements.

One of the provisions of the MRP requires that permittees implement a pesticide toxicity control program to address the use of pesticides within their jurisdictions that pose a threat to water quality and have the potential discharge into the storm sewer system.

SUBCOMMITTEE FINDINGS

Not Applicable

STAFF ANALYSIS

Provision C.9.b. of the MRP requires the permittees to implement an Integrated Pest Management Policy to establish standard procedures, plans, and actions for management of pests and vegetation on public lands, rights of way, and bodies of water in an environmentally sensitive manner while addressing public health, safety, economic, legal, and aesthetic requirements.

The City submitted a copy of the IPM Policy to the Regional Water Quality Control Board, along with the Contra Costa Clean Water Program's 2010 NPDES Annual Report. The Regional Board Staff responded with a request for specific changes on various IPM policies, including a requirement for adoption of the IPM by the City's governing body.

Staff has addressed the Regional Board's comments with the attached updated IPM Policy.

ATTACHMENTS: Resolution, City IPM Policy

Report Prepared By: Jolan Longway, Civil Engineer II

FH3 - Hydrants Routine Flushing

((Start Date Actual is from #1/1/11#) And (Stop Date Actual is through #6/30/11#)) And (Activity is equal to "FH3 - hydrant-routine flushing")

Date	WO #	UOP	Water Lost/gal	Notes
1/19/2011	110328	1		Flushed hydrant #15538 (77 Cassia St) psi 68 tested for Cl2 - .02mg/l from valve exercising of valve #15507
1/19/2011	110327	1		Flushed Hydrant #15538 (77 Cassia St) psi 68 Tested at .02mg/l for Cl2 from valve exercising of valve #15505
3/15/2011	109008	2	4488 gal	Flushed hydrants: FH#15538 76 Cassia St not end of line hydrant: Duration of Discharge 0840-0845 Start reading 2780 End Reading 2784 Flow Rate 920gpm 30psi Chlorine residual 0.0mg/L Dechlorination. FH#15508 311 Foxglove St Not end of line Hydrant Static Pressure: 65 psi Duration of discharge 1354-1400 Start Reading 2784 End Reading 2786 Flow rate 700 gpm 20 psi Chlorine residual .1mg/L Dechlorination.
3/16/2011	109006	2	7480 gal	Across from 214 Balsam St FH#15523 Dead end no hydrant static pressure 70psi planned duration 1115-1120 starting read 2794 ending read 2799 flow rate 530 gpm 10psi chlorine residual .1mg/L dechlorination 259 Balsam St FH#15521 Dead end no hydrant static pressure 66psi planned duration 1354-1359 starting read 2799 ending read 2804 flow rate 530gpm 10psi chlorine residual .5mg/L dechlorination
3/16/2011	109005	1	2992 gal	FH #15520 Dead end static pressure 66psi Planned discharge duration 1445-1450 starting read 2804 ending read 2808 flow rate 530 gpm 10psi chlorine residual .1mg/L Dechlorination
3/16/2011	109007	2	5984 gal	343 Foxglove St FH #15511 Dead end no Hydrant static pressure 65psi Planned duration 0855-0900 start reading 2786 end reading 2790 flow rate 530gpm chlorine residual 0.0mg/L dechlorination 31 Foxglove Ct FH #15517 Dead end yes Hydrant static pressure 68psi Planned duration 0958-1003 starting read 2790 ending read 2794 flow rate 650gpm chlorine residual 0.0mg/L dechlorination
3/17/2011	109004	3	17204 gal	21 Aubergine Ct FH #15531 Dead end yes hydrant static pressure 84psi planned duration 1010-1020 starting read 2808 ending read 2814 flow rate 380 gpm 5 psi chlorine residual .03mg/L dechlorination replaced chains 31 Ashton Ct FH #15609 Dead end yes hydrant static pressure 67psi planned duration 1338-1358 starting read 28114 ending read 2825 flow rate 380gpm 5 psi chlorine residual .03 dechlorination 11 Ashton Ct FH #15611 Dead end yes hydrant static pressure 60psi planned duration 1401-1418 starting read 2825 ending read 2831 flow rate 380gpm 5 psi chlorine residual .01 dechlorination
3/22/2011	109001	6	16456 gal	#15128; 202 Jack London Ct; dead end no; static pressure 80psi; duration of discharge 0825-0830; start 2864 end 2868; flow rate 455gpm 7psi; chlorine residual .02; dechlorination; repainted #15141; 240 Jack London Ct; dead end no; static pressure 80psi; duration of discharge 0915-0920; start 2868 end 2872; flow rate 380gpm 5psi; chlorine residual .01; dechlorination #15176; 255 Jack London Ct; dead end yes; static pressure 68psi; duration of discharge 0945-0950; start 2872 end 2877; flow rate 710gpm 17psi; chlorine residual .01; dechlorination #15178; 224 Cannery Ct; dead end yes; static pressure 68psi; duration of discharge 1035-1040; start 2877 end 2881; flow rate 530gpm 10psi; chlorine residual .04; dechlorination; repainted # 15127; 1357 Emerson Dr; dead end no; static pressure 70psi; duration of discharge 1345-1350; start 2881 end 2883; flow rate 530 gpm 10 psi; chlorine residual .0; dechlorination; replaced chains & repainted #15130; 1333 Emerson Dr; dead end no; static pressure 72psi; duration of discharge 1430-1435; start 2883 end 2885; flow rate 530gpm 10psi; chlorine residual .02; dechlorination; repainted
3/23/2011	108954	6	18700 gal	#15132; 1002 Parkview Dr; dead end no; static pressure 75psi; duration of discharge 0920-0925; start 2886 end 2891; flow rate 530gpm 10psi; chlorine residual .1; dechlorination #15136; 1335 Steinbeck Dr; dead end no; static pressure 74psi; duration of discharge 1000-1005; start 2891 end 2895; flow rate 530gpm 10psi; chlorine residual .0; dechlorination; replaced chains #15138; 1311 Steinbeck Dr; dead end no; static pressure 79psi; duration of discharge 1025-1030; start 2895 end 2900; flow rate 530gpm 10psi; chlorine residual .0; dechlorination #15140; 109 Salinas Ct; dead end yes; static pressure 69; duration of discharge 1120-1125; start 2900 end 2903; flow rate 530gpm 10psi; chlorine residual .0; dechlorination #15135; 1022 Parkview Dr; dead end no; static pressure 65psi; duration of discharge 1325-1330; start 2903 end 2908; flow rate 530gpm 10psi; chlorine residual .0; dechlorination;

replaced caps and chains

#15180; 202 Chabot Ct; dead end no; static pressure 65psi; duration of discharge 1405-1410; start 2908 end 2911; flow rate 530gpm 10psi; chlorine residual .0; dechlorination; replaced chains & repainted

3/25/2011	108952	6	11220 gal	#15181; 225 CHabot Ct; dead end yes; static pressure 60psi; duration of discharge 0820-0825; start 2911 end 2914; flow rate 530gpm 10psi; chlorine residual .01; dechlorination #15146; 204 Dawson Ct; Dead end no; static pressure 60psi; duration of discharge 0850-0855; start 2914 end 2916; flow rate 530gpm 10psi; chlorine residual .0; dechlorination #15126; 221 Dawson Ct; dead end yes; static pressure 65psi; duration of discharge 1015-1020; start 2916 end 2919; flow rate 380gpm 5psi; chlorine residual .2; dechlorination #15182; 201 Dawson Ct; dead end no; static pressure 65psi; duration of discharge 1035-1040; start 2919 end 2921; flow rate 380gpm 5psi; chlorine residual .1; dechlorination #15144; 222 Caspian Ct; dead end yes; static pressure 65psi; duration of discharge 1310-1315; start 2921 end 2924; flow rate 530gpm 10psi; chlorine residual .0; dechlorination; replaced chains. #15143; 217 Martin Eden Ct; dead end yes; static pressure 65psi; duration of discharge 1335-1340; start 2924 end 2926; flow rate 530gpm 10psi; chlorine residual .0; dechlorination
3/28/2011	108950	3	9724 gal	# No#; 231 E Catamaran Cir; dead end no; static pressure 64psi; duration of discharge 1000-1005; start 2926 end 2930; flow rate 530gpm 10psi; chlorine residual .0; dechlorination; replaced chains and repainted #16144; 177 Clipper Dr; dead end no; static pressure 66psi; duration of discharge 1055-1100; start 2930 end 2936; flow rate 530gpm 10psi; chlorine residual .1; dechlorination; repainted #16145; 185 Clipper Dr; dead end no; static pressure 62psi; duration of discharge 1345-1350; start 2933 end 2936; flow rate 530gpm 10psi; chlorine residual .0; dechlorination
3/29/2011	108951	2	9724 gal	#241; 142 Keel Ct; dead end no; static pressure 70psi; duration of discharge 0925-0930; start 2936 end 2946; flow rate 380gpm 5psi; chlorine residual .0; dechlorination; repainted #10193 271 Helm Ct; dead end no; static pressure 70; duration of discharge 1340-1345; start 2946 end 2949; flow rate 750gpm 20psi; chlorine residual .0; dechlorination; repainted
3/30/2011	108983	3	7480 gal	*180 W. Catamaran Cir; 68psi; 9:05am-9:20am; start read 2949-end reading 2955; 750gpm; 0.0 chlorine residual *194 W. Catamaran Cir; 9:55am-10:05am; start reading 2955-ending reading 2959; 800gpm; 0.0 chlorine residual *2155 S. Catamaran Cir; 64psi; 10:45am-11:00am; Start reading 2959; 750gpm; 0.1 chlorine residual
4/6/2011	109011	3	21692 gal	#244; 110 Eveningstar Ct; dead end no; static pressure 60psi; duration of discharge 0948-0958; start 3006 end 3013; flow rate 180gpm 5psi; chlorine residual .0; dechlorination; repainted #1027; 109 Sealane Ct; dead end no; static pressure 60psi; duration of discharge 1105-1115; start 3013 end 3023; flow rate 650gpm 15psi; chlorine residual .0; dechlorination; repainted #1055; 180 Northstart Dr; dead end no; static pressure 60psi; duration of discharge 1345-1355; start 3023 end 3035; flow rate 650 gpm 15psi; chlorine residual .0; dechlorination; replaced chains and repainted
4/7/2011	108984	2	11968 gal	#236 Range Rd & Polaris Dr; dead end no; static pressure 60psi; duration of discharge 0940-1000; start 3036 end 3043; flow rate 650gpm 15psi; chlorine residual .0; dechlorination; replaced missing chains #53 299 Trident Dr; dead end no; static pressure 60psi; duration of discharge 1320-1335; start 3043 end 3052; flow rate 650gpm 15psi; chlorine residual .0; dechlorination; replaced missing chains and repainted
4/11/2011	108985	6	35156 gal	#1014 269 Trident Dr; dead end no; static pressure 68psi; duration of discharge 0840-0855; start 3052 end 3060; flow rate 650gpm 15psi; chlorine residual .0; dechlorination; replaced missing chains and repainted. #1108 E Triden Dr & Lou Ann Ave; dead end no static pressure 68psi; duration of discharge 0915-0945; start 3060 end 3070; flow rate 650gpm 15psi; chlorine residual .0; dechlorination; replaced missing chains and repainted. #217 48 Lou Ann Ave; dead end no; static pressure 56psi; duration of discharge 1021-1040; start 3070 end 3079; flow rate 650gpm 15psi; chlorine residual .0; dechlorination; replaced missing chains and repainted #261 197 E Trident Dr; dead end no; static pressure 68psi; duration of discharge 1048-1115; start 3079 end 3084; flow rate 650gpm 15psi; chlorine residual .0; dechlorination; replaced missing chains and repainted. #262 149 E Trident Dr; dead end no; static pressure 56psi; duration of discharge 1320-1245; start 3084 end 3090; flow rate 615gpm 15psi; chlorine residual .0; dechlorination; replaced missing chains and repainted

#Not on Map 101 E Trident Dr; dead end no; static pressure 68psi; duration of discharge 1400-1430; start 3090 end 3099; slow rate 615gpm 15 psi; chlorine residual .0; dechlorination; repainted

4/12/2011	108987	1	8228 gal	#220; dead end no; static pressure 66psi; duration of discharge 1040-1110; start 3100 end 3111; flow rate 530; chlorine residual .0; dechlorination; replaced 1 missing chain and repainted
4/14/2011	108988	6	25432 gal	#220; 8 Amelia Wy; dead end no; static pressure 63; duration 0805-0815; start 3111 end 3114; flow rate 530gpm; Chlorine residual .0; dechlorination; repainted #253; 106 Nautilus PI; dead end yes; static pressure 63; duration 0835-0850; start 3114 end 3123; flow rate 530gpm; chlorine residual .0; dechlorination; replaced 1 missing chain and repainted #256 61 Trident Dr; dead end no; static pressure 60psi; duration 0910-0925; start 3123 end 3131 flow rate 530gpm; chlorine residual .0; dechlorination; repainted #10182 Blaclutha Wy & Trident Dr; dead end no; static pressure 62psi; duration 1245-1310; start 3131 end 3135; flow rate 530gpm; chlorine residual .0; dechlorination; replaced 1 missing chain and repainted #10184 Merrimac Ct & Balclutha Wy; dead end no; static pressure 60psi; duration 1335-1345; start 3135 end 3141; flow rate 530gpm; chlorine residual .0; dechlorination; replaced 1 missing chain and repainted. #221 61 Merrimac PI; dead end no; static pressure 56psi; duration 1355-1410; start 3141 end 3145; flow rate 525gpm; chlorine residual .0; dechlorination; replaced 1 missing chain and repainted
4/15/2011	108947	3	10472 gal	#10184 Merrimac Ct & Blaclutha Wy; dead end no; static pressure 62psi; duration of discharge 0755-0815; start 3145 end 3153; flow rate 530gpm 10psi; chlorine residual .0; dechlorination #No Number on Map; 101 E Trident Dr; dead end no; static pressure 60psi; duration of discharge 1000-1010; start 3153 end 3156; flow rate 380gpm 5psi; chlorine residual .0; dechlorination #262 145 E Trident Dr; dead end no; static pressure 60psi; duration of discharge 1020-1030; start 3156 end 3159; flow rate 380gpm 5psi; chlorine residual .0; dechlorination
4/18/2011	108990	3	18700 gal	#10217 18 Nautilus Ct; dead end no; static pressure 63psi; duration of discharge 0855-0925; start 3159 end 3169; flow rate 530gpm 10psi; chlorine residual .0; dechlorination; replaced missing chains and repainted. #202 22 Nautilus PI; dead end no; static pressure 60psi; duration of discharge 0945-1000; start 3169 end 3175; flow rate 530gpm 10psi; chlorine residual .0; dechlorination; replaced missing chains and repainted. #214 41 Hanlon PI; dead end no; static pressure 60psi; duration of discharge 1321-1351; start 3175 end 3184; flow rate 530gpm 10psi; chlorine residual .0; dechlorination
4/19/2011	109010	5	31416 gal	#? Balclutha Wy & Hanlon PI; dead end no; static pressure 60psi; duration of discharge 0800-0810; start 3184 end 3191; flow rate 530gpm 10psi; chlorine residual .0; dechlorination; replaced missing chain and repainted #55 104 Leeward PI; dead end no; static pressure 62psi; duration of discharge 0850-0910; start 3191 end 3200; flow rate 530gpm 10psi; chlorine residual .0; dechlorination; replaced missing chain and repainted #10187 Polaris Dr & Balclutha Wy; dead end no; static pressure 68psi; duration of discharge 1005-1025; start 3200 end 3207; flow rate 530gpm 10psi; chlorine residual .0; dechlorination; replaced 2 missing chains and repainted #225 311 Baltic Sea Ct; dead end no; static pressure 63psi; duration of discharge 1125-1135; start 3207 end 3214; flow rate 530gpm 10psi; chlorine residual .0; dechlorination replaced 2 missing chains and repainted #FH1 2695 E Leland Rd; dead end no; static pressure 60psi; duration of discharge 1315-1335; start 3214 end 3226; flow rate 530gpm 10psi; chlorine residual .0; dechlorination; replaced 2 missing chains and repainted.
4/20/2011	109012	2	8976 gal	#? 294 Ronda Ct; dead end no; static pressure 62 psi; duration 1010-1030; start 3235 end 3238; flow rate 380; chlorine residual .0; dechlorination; replaced 1 missing chain and repainted #227 269 Ronda Ct; dead end no; static pressure 68psi; duration 0945-1005 start 3226 end 3235; flow rate 650psi; chlorine residual .0; dechlorination; replaced 1 missing chain and repainted
4/21/2011	109013	4	21692 gal	#?; 204 Spinnaker Wy; dead end no; static pressure 42psi; duration 0840-0900; start 3238 end 3245; flow rate 530gpm; chlorine residual .0; dechlorination; replaced 2 missing chains and repainted #? 164 Spinnaker Wy; dead end no; static pressure 52psi; duration 0920-0940; start 3245 end 3252; flow rate 650gpm; chlorine residual .0; dechlorination; replaced 2 missing chains and repainted #11588; 100 Spinnaker Wy; dead end no; static pressure 55psi; duration 1000-1020; start

3252 end 3259; flow rate 530gpm; chlorine residual .0; dechlorination; replaced 1 missing chain and repainted
 #215; 383 Schooner Wy; dead end no; static pressure 55psi; duration 1055-1115; start 3259 end 3267; flow rate 650gpm; chlorine residual .0; dechlorination; replaced 1 missing chain and repainted

4/22/2011	109014	4	17204 gal	<p>#B4-18 Marlin Dr; dead end of court; blowoff; replaced chains; duration of discharge 8:35am to 8:50am(15 min); start 3267-end 3273; 380 gal per minute; 5psi; 0.00 chlorine residual; dechlorination.</p> <p>#258-42 Marlin Dr; Hydrant static-66; replaced caps & chains; Duration of discharge 9am to 9:15am (15min), start 3273-end 3280; 650 gal per minute; 15psi; 0.00 chlorine residual; dechlorination</p> <p>#260-Marlin/Argosy; hydrant static-64; repainted; duration of discharge 10:25am to 10:45am (20 min); start 3278-end 3285; 530 gal per minute; 10psi; 0.03 chlorine residual; dechlorination</p> <p>#4910-10 Commodore Ct; repainted; duration of discharge 11:20am to 11:30am (10 min); start 3285 to end 3288; 530 gal per min; 10psi 0.00 chlorine residual; dechlorination</p>
4/25/2011	109015	6	29172 gal	<p>#10201; 67 Trident Dr; dead end no; static pressure 66psi; duration 0915-0930; start 3288 end 3294; flow rate 530gpm; chlorine residual .03; dechlorination</p> <p>#10198; 150 Trident Dr; dead end no; static pressure 62psi; duration 0940-1000; start 3294 end 3300; flow rate 530gpm; chlorine residual .03; dechlorination</p> <p>#?; 1737 Hanlon Wy; dead end no; static pressure 68; duration 1005-1020; start 3300 end 3308; flow rate 650gpm; chlorine residual .01; dechlorination; repainted</p> <p>#10226; Cove Wy & Hanlon Wy; dead end no; static pressure 63psi; duration 1050-1115; start 3308 end 3318; flow rate 380gpm; chlorine residual .01; dechlorination; replaced 1 chain and repainted</p> <p>#?; 1800 Hanlon Wy; dead end yes; static pressure 58psi; duration 1320-1330; start 3318 end 3324; flow rate 380; chlorine residual .05; dechlorination; replaced 3 missing chains and repainted</p> <p>#219; 1837 Hanlon Wy; dead end no; static pressure 58psi; duration 1350-1400; start 3324 end 3327; flow rate 530; chlorine residual .0; dechlorination; replaced 1 missing chain and repainted</p>
4/26/2011	109016	3	20944 gal	<p>#10194-12 Leeward Way; static pressure 58; repainted; DOD-8:35am to 8:55am (20 min); start 3328 end 3339; flow rate 530gpm; 0.00 chlorine residual; dechlorination</p> <p>#10191-71 Leeward Way; static pressure 63; repainted; DOD-9:15am to :30am (15 min); start 3339 end 3346; flow rate 530gpm; 0.03 chlorine residual; dechlorination</p> <p>#11289-Viking/Cove; static pressure 54; repainted; DOD-1:45pm to 2pm (45 min); start 3346 to end 3356; 650gpm; 0.04 chlorine residual; dechlorination</p>
4/27/2011	108989	6	23936 gal	<p>#10237; 88 Viking Wy; dead end no; static pressure 65psi; duration 0815-0830; start 3357 end 3361; flow rate 380gpm; chlorine residual .0; dechlorination; repainted</p> <p>#???; 142 Viking Wy; dead end no; static pressure 50psi; duration 0945-1000; start 3361 end 3365; flow rate 380gpm; chlorine residual .03; dechlorination; replaced 2 missing chains and repainted</p> <p>#10245; 45 Dolphin Dr; dead end no; static pressure 50psi; duration 1015-1030; start 3365 end 3373; flow rate 380gpm; chlorine residual .04; dechlorination; repainted</p> <p>#10294; 181 Viking Wy; dead end no; static pressure 50psi; duration1105-1120; start 3373 end 3377; flow rate 380gpm; chlorine residual .04; dechlorination; repainted</p> <p>#10251; 76 Galleon Wy; dead end no; static pressure 60psi; duration 1300-1315; start 3377 end 3380; flow rate 380gpm; chlorine residual .04; dechlorination; replaced 1 missing chain and repainted</p> <p>#35; 328 Riptide Ct; dead end yes; static pressure 52psi; duration 1400-1425; start 3380 end 3389; flow rate 380gpm; chlorine residual .04; dechlorination; repainted</p>
4/28/2011	108953	5	25432 gal	<p>#10235; Polaris Dr & Ensign Ct; dead end no; static pressure 58psi; duration 0820-0835; start 3389 end 3395; flow rate 380gpm; chlorine residual .06; dechlorination; replaced 1 missing chain and repainted</p> <p>#10233; Polaris Dr & Dolphin Wy; dead end no; static pressure 58; duration 0925-0940; start 3395 end 3397; flow rate 380gpm; chlorine residual .04; dechlorination; repainted</p> <p>#13-BO; 308 Lighthouse Ct; dead end yes; static pressure 50psi; duration 1000-1045; start 3397 end 3408; flow rate 380gpm; chlorine residual .04; dechlorination</p> <p>#10231; Polaris Dr & Schooner Wy; dead end no; static pressure 62psi; duration 1255-1310; start 3408 end 3411; flow rate 380; chlorine residual .05; dechlorination; replaced 1 missing chain and repainted</p> <p>#226; 337 Schooner Wy; dead end no; static pressure 52psi; duration 1330-1420; start 3411 end 3423; flow rate 380gpm; chlorine residual .06; dechlorination; repainted</p>
4/29/2011	113963	1	7480 gal	<p>#10259-BO; dead end yes; static pressure 44psi; duration 0800-0845; start 3423 end 3433; flow rate 60psi; chlorine residual .04; dechlorination</p>
5/2/2011	113966	6	23936 gal	<p>#10262; Mariner Ct & Schooner Wy; dead end no; static pressure 44psi; duration 0730-0745;</p>

start 3434 end 3440; flow rate 380gpm; chlorine residual .06; dechlorination; repainted #10257; Schooner Wy & Viking Wy; dead end no; static pressure 42psi; duration 0845-0905; start 3440 end 3447; flow rate 380gpm; chlorine residual .0; dechlorination; Replaced 1 missing chain and repainted
 #4897; Willow Pass Rd & Harmony Wy; dead end no; static pressure 68psi; duration 1010-1035; start 3447 end 3455; flow rate 580gpm; chlorine residual .03; dechlorination; repainted
 #4885; 1186 Summer Wy; dead end no; static pressure 70psi; duration 1300-1315; start 3455 end 3461; flow rate 530gpm; chlorine residual .04; dechlorination; repainted
 #4892; 1186 Red Leaf Wy; dead end no; static pressure 70psi; duration 1330-1340; start 3461 end 3463; flow rate 530gpm; chlorine residual .03; dechlorination; replaced 1 missing chain and repainted
 #4880; Red Leaf Wy & Summer Wy; dead end no; static pressure 70psi; duration 1400-1415; start 3463 end 3466; flow rate 530gpm; chlorine residual .05; dechlorination; repainted

5/3/2011	113965	7	39644 gal	<p>#4875; Summer Wy & Dew Drop Cir; dead end no; static pressure 70psi; duration 0748-0800; start 3466 end 3470; flow rate 380gpm; chlorine residual .04; dechlorination; replaced 1 missing chain and repainted #4872; 11 Dew Drop Cir; dead end no; static pressure 70psi; duration 0840-0857; start 3470 end 3475; flow rate 380gpm; chlorine residual .05; dechlorination; replaced 3 missing chains and repainted #10028; Seasons Dr & Harmony Wy; dead end no; static pressure 60psi; duration 0920-0958; start 3475 end 3492; flow rate 380gpm; chlorine residual .02; dechlorination; repainted #4890; 13 Harmony Ct; dead end no; static pressure 60psi; duration 1015-1035; start 3492 end 3502; flow rate 380gpm; chlorine residual .07; dechlorination; repainted #4907; 23 Harmony Ct; dead end yes; static pressure 50psi; duration 1045-1100; start 3502 end 3504; flow rate 380gpm; chlorine residual .05; dechlorination #4862; 1173 Seasons Dr; dead end no; static pressure 62psi; duration 1325-1338; start 3515 end 3519; flow rate 380gpm; chlorine residual .05; dechlorination; replaced 1 missing chain #4843; 202 Babbling Brook Wy; dead end no; static pressure 68psi; duration 1245-1315; start 3504 end 3515; flow rate 380gpm; chlorine residual .05; dechlorination; replaced 3 missing chains</p>
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5/4/2011	113962	5	33660 gal	<p>#4856; 1946 Seasons Wy; dead end no; static pressure 70psi; duration 0800-0825; start 3519 end 3527; flow rate 380gpm; chlorine residual .03; dechlorination. repainted #4853; 1958 Seasons Wy; dead end no; static pressure 70psi; duration 0835-0845; start 3527 end 3531; flow rate 380gpm; chlorine residual .02; dechlorination; repainted #4805; Raindrop Cir & Winter Wy; dead end no; static pressure 65psi; duration 1030-1059; start 3531 end 3540; flow rate 380gpm; chlorine residual .04; dechlorination; repainted #4813; 339 Snow Flake Wy; dead end no; static pressure 65psi; duration 1155-1221; start 3540 end 3552; flow rate 380gpm; chlorine residual .07; dechlorination; repainted #4839; Babbling Brook Wy & Winter Wy; dead end no; static pressure 65psi; duration 13:15-13:30; start 3552 end 3564; flow rate 380gpm; chlorine residual .02; dechlorination; replaced 1 missing chain and repainted</p>
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5/5/2011	113961	8	45628 gal	<p>#4841-215 Babbling Brook Way; static pressure 68; replaced chains; needs to be repainted; planned discharge; 7:45am-8am; start reading 3564 to end reading 3569; 380gal/min; chlorine residual 0.01; dechlorination #10026-1168 Winter Way; 68 static pressure; 8:20am to 8:35am; start reading 3569 to end reading 3573; 380gpm; chlorine residual 0.04; dechlorination #4846-4 Cider Mill Ct; needs to be repainted; replaced chains; planned discharge; 9am-9:30am; start reading 3573 to end reading 3581; 380gpm; 0.03 chlorine residual; dechlorination #4849-14 Cider Mill Ct; 70 static pressure; needs to be repainted; 9:40am to 9:55am; start reading 3581-ending read 3586; 380gall/min; 0.03 chlorine residual; dechlorination #10023-Winter Way/Snowflake Way; 68 static pressure; needs to be repainted; 10:15am-11:05am; start reading 3586-end reading 3605; 380gpm; 0.02 chlorine residual; dechlorination #4831-2159 Raindrop Cir; 60 static pressure; needs to be repainted; 12:40pm-12:55pm; start reading 3605-end reading 3609; 380gpm; 0.05 chlorine residual; dechlorination #4817-2144 Raindrop Cir; static pressure 60; needs to be repainted; 13:00-13:15; start reading 3609-end reading 3615; 530 gpm; 0.03 chlorine residual; dechlorination #4813-399 Snowflake Way; 68 static pressure; 13:30-13:50; start reading 3615-end reading 3625; 530gpm; 0.04 chlorine residual; dechlorination</p>
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5/6/2011	113976	1	12716 gal	<p>#4815; 321 Snow Flake Wy; dead end no; static pressure 68psi; duration 0745-0815; start 3625 end 3642; flow rate 380gpm; chlorine residual .04; dechlorination; repainted Note: spent time searching for GPS.</p>
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5/9/2011	113967	4	34408 gal	<p>#4047; 636 Rockspray Cir; dead end no; static pressure 52psi; suration 1040-1055; start 3658 end 3665; flow rate 380gpm; chlorine residual .06; dechlorination; missing chains and</p>
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repainted

#10050; 664 Rockspray Cir; dead end no; static pressure 60psi; duration 1115-1130; start 3665 end 3674; flow rate 380gpm; chlorine residual .07; dechlorination; missing chains
#10053; 1196 Cape May; dead end no; static pressure 50psi; duration 1306-1330; start 3674 end 3689; flow rate 540gpm; chlorine residual .07; dechlorination; missing chains and

repainted

#10083; 520 Chesapeake Ct; dead end yes; static pressure 48psi; duration 1345-1415; start 3689 end 3704; flow rate 650gpm; chlorine residual .05; dechlorination; missing chains and repainted

5/11/2011	108955	7	56100 gal	<p>#10082-139 Mayport Ct; 80 static pressure; end of line; chains missing; needs to be repainted; 8:45-9:05am; start reading 3752-end reading 3760; 530gpm; 0.06 chlorine residual; dechlorination</p> <p>#10072-978 Cape May Dr; static pressure 75; needs to be repainted; 9:15-9:30am; start reading 3760-end reading 3764; 530gpm; 0.03 chlorine residual; dechlorination</p> <p>#10087-253 Comeabout Cir; 80 static pressure; chains missing; needs to be repainted; 10:00-10:10am; start reading 3764-end reading 3770-650gpm; 0.06 chlorine residual; dechlorination</p> <p>#10068-Cape May Dr/Comeabout Cir; 80 static pressure; chains missing; needs to be repainted; 10:45-11am; start reading 3770-end reading 3781; 650gpm; 0.05 chlorine residual</p> <p>#10062-Cape May Ct/Cape May Dr; 78 static pressure; chains missing; needs to be repainted; 12:20pm-12:50pm; start reading 3781-end reading 3797; 650gpm; 0.04 chlorine residual</p> <p>#10064-Cape May Dr/Rockport Ct; 78 static pressure; replaced cap; chains missing; needs to be repainted; 13:00-13:35; start reading 3797-end reading 3820; 650gpm; 0.04 chlorine residual</p> <p>#10066-323 Rockport Ct; 80 static pressure; end of line; needs to be repainted; 13:45-14:00; start reading 3820-end reading 3827; 530gpm; 0.04 chlorine residual</p>
5/12/2011	113972	3	16456 gal	<p>#10088-Cape May Dr/Chesapeake Ct; 75 static pressure; chains missing; needs to be repainted; 8:05-8:25am; start reading 3827-end reading 3833; 600gpm; 0.04 chlorine residual; dechlorination</p> <p>#5234-696 W. 10th St; 58 static pressure; needs to be repainted; 10:13-10:31am; start reading 3833-end reading 3840; 750gpm; 0.04 chlorine residual; dechlorination</p> <p>#14291-113 Prosperity Ct; end of line; 79 static pressure; needs handle; 11:10-11:42am; start reading 3840-end reading 3849; 375gpm; 0.03 chlorine residual; dechlorination</p>
5/19/2011	100955	1		Flushed new hydrant that was installed at this address.
5/24/2011	113971	3	33660 gal	<p>#14292-BO; 211 Lowry Ct; dead end yes; static pressure 80psi; duration 0820-0835; start 3862 end 3866; flow rate 375gmp; chlorine residual .05; dechlorination</p> <p>#14295; Enterprise Cir & Prosperity Ct; dead end no; static pressure 75psi; duration 1247-1310; start 3866 end 3877; flow rate 700gmp; chlorine residual .04; dechlorination</p> <p>#14297-BO; 311 Milestone Ct; dead end yes; static pressure 85psi; duration 1315-1445; start 3877 end 3907; 320gmp; chlorine residual .05; dechlorination</p>
5/25/2011	101216	2	22440 gal	<p>#14301; 1527 Enterprise Cir; dead end- no, static pressure-60psi; duration-3907-3917; flow rate- 650gpm; chlorine residual-.05mg/L; dechlorination</p> <p>#14307; 409 Travis Ct; dead end-yes; blow off; static pressure-80psi; duration- 1000-1020; start- 3917 end- 3937; flow rate- 380gpm; chlorine residual- .05mg/L; dechlorination</p>
5/27/2011	100952	4	35156 gal	<p>hydrant flushing- #14304; 511 Bellows Ct; dead end- yes; static prssre- 78psi; duration 7:25-8:30; start-3937 end- 3952; flow rate- 320gpm; chlorine residual-.07mg/L; dechlorination</p> <p>#14310; 1543 Enterprise Cir; dead end- no; static pressure- 82psi; duration- 8:45-9:10; start- 3952 end- 3966; flow rate- 600gpm; chlorine residual- .07mg/L; dechlorination</p> <p>#14317 616 Charleston Dr; dead end- no; static prssre- 87psi; duration 10:55-11:15; start- 3966 end- 3979; flow rate- 630gpm; chlorine residual- .06 mg/L; dechlorination</p> <p>#14321; 658 Charleston Dr; dead end- no; static prssre- 87psi; duration 1310-1324 called off per FR; start- 3980 end- 3985; flow rate- 380gpm; chlorine residual .06mg/L; dechlorination</p>
6/1/2011	115995	1	124168 gal	Hydrant #12340-Start time- 8:35am r.4240; End Time-1:55pm r.4406; Hydrant # 15865- Start itme 12:30pm r.1103; End Time 2:00pm r.1142. Brookside Dr & Yosemite
6/2/2011	113970	6	62084 gal	<p>14321; 658 Charleston ST; dead end- no; static pressure-80psi; duration- 0750-0825; start-4406 end-4425; flow rate- 420gpm; chlorine residual- .06; dechlorination</p> <p>#14326; 1562 Enterprise Cir; dead end- no;static pressure-58psi; duration-0835-0905; start-4425 end-4441; flow rate-530gpm; chlorine residual-.02, dechlorination</p> <p>#FH/t 1583 Enterprise Cir; 1583 Enterprise Cir; dead end-no; static pressure- 82psi; duration-0934-0954; start-4441 end-4448; flow rate-600gpm; chlorine residual- .05; dechlorination</p> <p>#14332; 716 Preservation St; dead end-no; blow off; static pressure-62psi; duration-1000-1130; start-4448 end-4476; flow rate- 380gpm; chlorine residual- .05; dechlorination</p>

#14336; 810 Bainbridge St & Preservation; dead end-no; static pressure-80psi; duration-1245-1300; start-4476 end-4481; flow rate-530gpm; chlorine residual- .07; dechlorination
#14339; all Thomasville Ct; dead end-yes; blow off; static pressure-62psi; duration-1310-1340; start-4481 end-4489; flow rate-380gpm; chlorine residual- .05; dechlorination

6/8/2011	113969	4	81532 gal	#14381- 1001 Reliance Ct & Enterprise Ct; dead end-no; static pressure-68; duration-0730-0750; start-4489 end- 4498; flow rate-380gl; dechlorination #FH/1:1653- 1653 Enterprise Cir/Providence; dead end-no; static pressure-82; duration-0930-0940; start- 4499 end- 4504; flow rate-530gl; chlorine residual-.03; dechlorination; replaced 1 missing chain #14356- 1209 Nellis Ct; dead end- yes; static pressure- 60; duration- 1015-1030; start- 4504 end- 4505; flow rate- 380gl; chlorine residual- .02; dechlorination #14914- 920 Black Diamond; static pressure- 80; duration- 1315-1330; start- 4505-4516; flow rate- 530gl; chlorine residual- .03mg/L; dechlorination
6/9/2011	113956	2	8228 gal	#14353- 1111 Cannon Ct; dead end- yes; static pressure- 70; duration 7:30-8:15; start- 4516 end- 4519; flow rate- 380gpm; chlorine residual- .06mg/L; dechlorination #14911- W. 10th & York St; dead end-no; static pressure- 68; chains missing, repaint; duration 8:25-8:35; start-4519 end-4527; flow rate-600gpm; chlorine residual- .05mg/L, dechlorination
6/10/2011	113953	2	29172 gal	#14905 W. 9th St & York St; dead end-no; duration 7:45-8:15; start-4527 end-4538; flow rate-650gpm; chlorine residual- .05mg/L; dechlorination #14903 W. 9th St & Cutter; dead end- no; duration 8:55-9:30; start-4538 end- 4566; flow rate- 700; chlorine residual- .0; dechlorination
6/15/2011	113955	5	34408 gal	Marked missing chains was not able to replace them, ran out on backorder #14918- Black Diamond & W. 8th St, dead end- no, static pressure-80, chains missing, needs repainting, duration 8:15-9:05, start-4603 end-4625, flow rate-650, dechlorination #10452- Black Diamond & W. 8th St, dead end-no, static pressure-89, needs repainting, duration 9:20-9:35, start-4625 end-4631, flow rate-640, dechlorination #FH1/110- 110 W. 8th St, dead end-no, static pressure-80, chains missing, duration 9:45-10:00, start 4631 end-4637, flow rate-600gpm, dechlorination #2817- 346 W. 8th St, dead end-no, missing chains, duration 10:40-10:50, start-4637 end-4643, flow rate-650gpm, dechlorination #14909- W. 10th St & Cutter, dead end- no, duration-13:40-13:51, start 4643, flow rate-650gpm, dechlorination
6/15/2011	113985	5	27676 gal	#14905; York St & W 9th St; Dead end no; static pressure 89psi; duration 0920-0930; start 4566 end 4572; flow rate 650gpm; chlorine residual 0.00; dechlorination #14901; 302 W 9th St; dead end no; static pressure 89psi; duration 1010-1025; start 4572 end 4581; flow rate 700gpm; chlorine residual 0.00; dechlorination; replaced 2 missing chains #15058; West St & W 8th St Needs to be vacuumed #14916; W 9th St & Herb White Wy; Dead end no; static pressure 90psi; duration 1322-1335; start 4581 end 4591; flow rate 850gpm; chlorine residual 0.00; dechlorination #15056; W 8th St & Herb White Wy; dead end no; static pressure 90psi; duration 1345-1410; start 4591 end 4603; flow rate 540gpm; chlorine residual 0.01; dechlorination
6/16/2011	113986	1	11220 gal	#14915; 412 W 9th St; dead end no; static pressure 90psi; duration 0815-0835; start 4649 end 4664; flow rate 750gmp; chlorine residual 0.0; dechlorination. Needs chains replaced. Chains on back order.
6/17/2011	114001	5	35904 gal	FH/1; John Henry Johnson Pkwy; dead end no; static pressure 120psi; duration 0750-0820; start 4664 end 4678; flow rate 800gpm; chlorine residual 0.0; dechlorination; repainted FH/2; John Henry Johnson Pkwy; dead end no; static pressure 115psi; duration 0845-0855; start 4678 end 4683; flow rate 750gpm; chlorine residual .04; dechlorination; replaced 2 chains and repainted FH/3; John Henry Johnson Pkwy; dead end no; static pressure 110psi; duration 0915-0935; start 4683 end 4689; flow rate 530gpm; chlorine residual 0.0; dechlorination; repainted #248; John Henry Johnson Pkwy; dead end no; static pressure 100psi; duration 1000-1025; start 4689 end 4695; flow rate 750gpm; chlorine residual 0.0; dechlorination; missing chains and repainted FH/5; John Henry Johnson Pkwy; dead end no; static pressure 90psi; duration 1327-1420; start 4695 end 4712; flow rate 300gpm; chlorine residual .03; dechlorination; missing chains and repainted
6/20/2011	113998	6	34408 gal	#104727- 10 W. 7th St; dead end-no; static pressure-80; duration 8-8:15; start-4712 end-4718; flow rate- 600gpm; chlorine residual- .06mg/L; dechlorination #10424- 128 W. 7th St; dead end-no; static pressure-80; repaint; duration 8:25-8:35; start-4718 end- 4722; flow rate- 530gpm; chlorine residual- .03mg/L; dechlorination #11319- w. 7th & Herb White Way; dead end- no; static pressure- 89; missing; duration 12:35- 13:00; start- 4742 end- 4752; flow rate- 700gpm; dechlorination #11318- 641 Herb White Way; dead end-no; static pressure- 88psi; missing & repaint-

replaced 1; duration 13:10-13:20; start- 4752 end-4758; dechlorination
 #10416- 226 W. 7th St; dead end-no; static pressure- 80psi; duration 9:25-9:55; start- 4722
 end- 4738; flow rate- 600gpm; chlorine residual- .07mg/L; dechlorination
 #10413- 398 W. 7th St; dead end- no; duration 11:30-11:45; start-4738 end- 4742; flow rate-
 750 gals; chlorine residual- .07mg/L; dechlorination

6/22/2011	113987	1	4488 gal	#10458- 20 W. 6th St; dead end-no; static pressure-68; duration 9:25-9:35; start-4758 end-4764; flow rate-750gals, dechlorination
6/27/2011	113952	4	46376 gal	#10409-W. 6th St & Devito St; static psi 64; replaced chains and repainted; duration of discharge 08:05-08:30; start reading 4764; end reading 4783; 750gpm flow rate; 0.04 chlorine residual; dechlorination. #10396-W 6th St & Aiello; static psi 72; repainted; duration of discharge 9:15-9:45; start reading 4783-end reading 4799; 700gpm flow rate; 0.05; dechlorination #FH/1-Marina Blvd/York St; static psi 80; repainted; duration of discharge 13:05 to 13:25pm; start reading 4799-end reading 4815; 700gpm flow rate; 0.03 chlorine residual; dechlorination #FH2; marina blvd/cutter st; static psi 82; replaced chains; repainted; duration of discharge 13:50-14:10pm; start read 4815, end read 4826; 400gpm flow rate; 0.02 chlorine residual; dechlorination
6/28/2011	114000	6	33660 gal	#FH1-Marina Blvd/West St; static pressure 68; repainted; duration of discharge 7:30am-7:40am; start 4826-end 4831; 610gpm flow rate; 0.04 chlorine residual; dechlorination #FH2-Marina Blvd/Bayside Dr; static pressure 74; repainted; duration of discharge 8:20-8:35am; start 4831-end 4837; 700gpm flow rate; 0.02 chlorine residual; dechlorination #4304-528 Bayside Dr; 40 static pressure; 9:25-10:15am; start 4837-end 4855; 400gpm flow rate; 0.03 chlorine residual; dechlorination #15699-End of Halsey Way; static pressure 82; replaced caps & chains; repainted; 10:45-11:10am; start 4855-end 4865; 690gpm flow rate; 0.03 chlorine residual; dechlorination #15695-Halsey Way/Standley Ct; static pressure 72; duration of discharge 12:45-13:10pm; start 4865-4071; 740 gpm flow rate; 0.03 achlorine residual; dechlorination
6/29/2011	113999	6	35156 gal	#15705-98 Standley Ct; end of line; static-79; repainted; DOD-8:25-8:45am; start 4872 end 4881; 750gpm flow rate; 0.00 chlorine residual; dechlorination #15676-1358 Isabel Ct; static-74; replaced chains; DOD-9:40-9:50am; start 4881-end 4887; 538gpm flow rate; 0.00 dechlorination #988-1015 Beacon St; static-72; DOD-13:10-13:25pm; start 4898-end 4905; 760gpm flow rate; 0.00 chlorine residual; dechlorination #14970-440 W. 8th; static-72; DOD-13:35-14:00pm; start 4905 end 4912; 630gpm flow rate; 0.05 chlorine residual; dechlorination #15680-23 Elijah; end of line; static 72; replaced chains & repainted; DOD-10:15-10:30pm; start 4887-end 4893; 650gpm flow rate; 0.00 chlorine residual; dechlorination #15683-7 Amelia; end of line; static 79; replaced chains & repainted; DOD-10:55-11:10am; start 4893 end 4898; 600gpm flow rate; 0.01 chlorine residual; dechlorination
6/30/2011	113989	6	26928 gal	#15070-456 W. 9th; static pressure-97; replaced chains; duration of discharge 8:00-8:10; start 4912-end 4918; 530gpm flow rate; 0.00 chlorine residual; dechlorination #14981-408 W. 8th St; static pressure 98; duration of discharge 9:00-9:13am; start 4918-end 4920; 650gpm flow rate; 0.00 chlorine residual; dechlorination FH/1-2011 Morro Dr; static pressure 78; replaced chains and repainted; duration of discharge 10:15-10:40am; start 4920-end 4928; 380gpm flow rate; 0.00 chlorine residual; dechlorination #11937-2071 Morro Dr; static pressure 66; replaced chains & repainted; duration of discharge ?; start 4928-end 4935; 520gpm flow rate; 0.03 chlorine residual; dechlorination FH/1-2039 Plymouth Dr; static pressure 79; replaced chains; repainted; duration of discharge 13:30-13:45pm; start 4935-end 4940; 380gpm flow rate; 0.04 chlorine residual; dechlorination FH/1-1949 Plymouth Dr; static pressure 68; replaced chains; repainted; duration of discharge 14:15-14:35pm; start 4940-end 4948; 380gpm flow rate; 0.04; dechlorination

Total UOP= 209 Ea.

Approx. Water Lost/gallon: 1,378,564

City of Pittsburg
Water Treatment Plant Laboratory
Distribution Sampling Log (Flushing Program)
 California Dept. of Health Services ELAP Certificate # 1479

Sample #	Hydrant Number	Location	Date Sampled	Time Sampled	Sample Collector Initial	Total Chlorine (mg/L) Field	pH	Turbidity NTU	Analyst Initial	Comments
1		76 Cassia st	3/15/11	0845	BB	0.0	8.5	0.388	ML	Grab sample collection & preservation
2		311 Foxglove st	3/15/11	1400	BB	0.0	8.5	0.305	ML	
3		343 Foxglove st	3/16/11	0903	BB	0.0	8.53	1.52	ML	
4	15517	35 Foxglove ct	3/16/11	1008	BB	0.0	8.53	3.17	ML	
5	15525	Balsamic st Maidenhair st	3/16/11	1123	BB	0.0	8.55	0.417	ML	
6	15521	259 Balsam st	3/16/11	1402	BB	0.0	8.5	0.520	ML	
7	15520	24 Balsam st	3/16/11	1453	BB	0.0	8.51	0.522	ML	
8	15531	21 Amberjune ct	3/17/11	1031	BB		8.44	0.149	ML	
9	15609	31 Ash ton ct	3/17/11	1400	BB		8.43	0.573	ML	
10	15611	11 Ash ton ct	3/17/11	1426	BB		8.44	0.264	ML	
11	16060	1120 Bendings willow wy	3/21/11	0857	BB	0.0	8.13	0.592	ML	
12	15586	38 Wistarica ct	3/21/11	0947	BB	0.0	8.35	0.365	ML	
13	15590	1057 Bendings willow wy	3/21/11	1046	BB	0.0	8.20	0.253	ML	
14	15596	59 Magnolia ct	3/21/11	1143	BB	0.0	8.15	0.301	ML	
15	15601	Creekside ln	3/21/11	1328	BB	0.0	8.19	0.201	ML	
16	15/51	23 Emerson ct	3/21/11	1357	BB	0.0	8.26	0.262	ML	
17	15/44	123 Strickland ct	3/21/11	1427	BB	0.0	8.24	0.333	ML	
18	15/28	202 Jackson ct	3/22/11	0832	BB	0.0	8.08	0.301	ML	
19	15/41	240 Jackson ct	3/22/11	0922	BB	0.0	8.19	0.333	ML	
20	15/76	255 Jackson ct	3/22/11	0952	BB	0.0	8.23	0.187	ML	

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Sample #	Hydrant Number	Location	Date Sampled	Time Sampled	Sample Collector Initial	Total Chlorine (mg/L) Field	pH	Turbidity NTU	Analyst Initial	Comments
21	15178	227 Connery Ct.	3/22/11	1042	BB	0.0	8.15	0.159	M	
22	1357/2	1357 Emerson Dr.	3/22/11	1352	BB	0.0	8.10	0.193	M	
23	15100	1333 Emerson Dr	3/22/11	1436	BB	0.0	8.12	1.98	M	
24	15102	1002 Parkview Dr.	3/23/11	0927	BB	0.0	8.30	0.496	M	
25	15106	1335 Steinhilber Dr.	3/23/11	1006	BB	0.0	8.35	0.217	M	
26	15138	1311 Strenbeck Dr.	3/23/11	1030	BB	0.0	8.38	0.301	M	
27	15140	109 Salinas Ct	3/23/11	1126	BB	0.0	8.28	0.640	M	
28	15355	1022 Parkview Dr.	3/23/11	1351	DB	0.0	8.19	0.410	M	
29	15180	202 Chabot Ct	3/23/11	1412	BB	0.0	8.21	0.216	M	
30	15181	225 Chabot Ct	3/25/11	0826	BB	0.0	8.14	0.501	M	
31	15146	204 Dawson Ct	3/25/11	0857	BB	0.0	8.16	0.368	M	
32	15124	221 Dawson Ct	3/25/11	1023	BB	0.0	8.16	0.286	M	
33	15182	201 Dawson Ct	3/25/11	1042	BB	0.0	8.30	0.299	M	
34	15144	222 Caspian Ct	3/25/11	1317	BB	0.0	8.09	1.04	M	
35	15143	217 Marten Eden Ct	3/25/11	1543	BB	0.0	8.04	9.07	M	
36		231 E Cotnam Cir	3/28/11	1150	BB	0.0	8.21	1.03	M	
37	16144	177 Clipper Dr.	3/28/11	1235	BB	0.0	8.12	1.15	M	
38	1061	185 Clipper Dr.	3/28/11	1353	BB	0.0	8.32	1.55	M	
39	241	142 Keel Ct	3/29/11	0930	BB	0.0	8.22	0.825	M	
40	271/1	271 Helm Ct.	3/29/11	1347	BB	0.0	8.36	3.02	MS	

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Sample #	Hydrant Number	Location	Date Sampled	Time Sampled	Sample Collector Initial	Total Chlorine (mg/L) Field	pH	Turbidity NTU	Analyst Initial	Comments
41	180/1	180 W Catamaran Cir	3/30/11	0907	BB	0.0	8.14	0.943	M	
42	194/1	194 W Catamaran Cir	3/30/11	10:05	BB	0.0	8.28	0.794	M	
43	215/1	215 S. Catamaran Cir	3/30/11	1103	AB	0.0	8.27	4.30	M	
44	244	110 Eveningstar	4/6/11	1000	BS	0.0	8.45	1.16	M	
45	1027	109 Seaglane Ct	4/6/11	1117	BS	0.0	8.30	0.709	M	
46	1055	180 Northstar Dr.	4/6/11	1355	BS	0.0	8.39	0.470	M	
47	236	Range Rd / Polaris	4/7/11	0950	BB	0.0	8.24	0.146	M	
48	1333	299 Trident	4/7/11	1333	JP	0.0	8.39	1.80	M	
49	48	269 Trident	4/11/11	0855	JP	0.0	8.00	0.786	M	
50	1110	Trident Dr. / LouAnn Pl	4/11/11	0915	JP	0.0	8.22	0.880	M	
51	217	48 Lou Ann Pl	4/11/11	1021	JP	0.0	7.87	2.83	M	
52	291	197 E Trident Dr	4/11/11	1055	JP	0.0	8.15	0.535	M	
53	220	8 Amelia Wy	4/14/11	0815	JP	0.0	7.91	0.766	M	
54	253	10c Amelia Wy	4/14/11	0850	JP	0.0	8.36	0.828	M	
55	254	C1 Trident	4/14/11	0925	JP	0.0	8.38	0.851	M	
56	10182	Belclatha/Trident	4/14/11	1310	JP	0.0	8.30	0.376	M	
57	69	Belclatha/Merrimac Ct	4/14/11	1345	JP	0.0	8.27	6.29	M	
58	221	C1 Merrimac Pl	4/14/11	1410	JP	0.0		0.529	M	
59	69	69 Merrimac Ct	4/15/11	0815	JP	0.0	8.0	0.510	M	
60	101/1	E Trident	4/15/11	1010	JP	0.0	8.5	0.346	M	

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61	262	145 E Trident	4/15/11	1030	JP	0.0	8.07	0.287	M	
62	10216	18 Nautilus Ct	4/18/11	0925	SP	0.0	8.11	0.225	M	
63	1083	22 Nautilus	4/18/11	1000	JP	0.0	8.04	0.266	M	
64	1351	41 Hanlon Pl	4/18/11	1351	SP	0.0	8.31	0.351	M	
65	1704	1704 Hanlon Way	4-19-11	0810	SP	0.0	8.22	0.916	BB	
66	55	104 Leonard Pl	4-19-11	0910	SP	0.0	8.17	0.392	B3	
67	10187	Polaris + Babelatha	4-19-11	1025	TP	0.0	8.18	0.440	BB	
68	1006	311 Baltic sea	4-19-11	1135	JP	0.0	8.09	0.930	B4	
69	F41	2695 E Leland	4-19-11	1333	JP	0.0	8.00	0.520	B5	
70	227	269 Rowan Ct	4-20-11	1005	JP	0.0	7.98	0.290	CC	
71	294/1	Rowan Ct	4-20-11	1030	JP	0.0	7.99	0.510	CC	
72	204/1	2045 Spinneraker way	4/21/11	0901	DB	0.0	7.84	0.556	M	
73	14/1	1445 Spinneraker way	4/21/11	0941	BB	0.0	8.08	0.657	M	
74	11588	100 Spinneraker way	4/21/11	1021	BB	0.0	8.09	0.814	M	
75	215	383 Schooner way	4/21/11	1115	BB	0.0	7.99	2.14	M	
76	07	18 Marlin dr	4/22/11	0850	SP	0.0	8.03	0.245	M	
77	258	42 Marlin	4/22/11	0915	JP	0.0	8.15	0.215	M	
78	4913	4913 10 Commerce Ct	4/22/11	1130	JP	0.0	7.97	0.147	M	
79		260 Marlin/Argosy	4/22/11	1045	JP	0.0	8.01	0.184	M	
80	10201	67 Trident	4/25/11	0930	JP	0.0	7.97	0.533	M	

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81	10188	150 Trident	4/25/11	1000	JP	0.0	8.04	3.48	M	
82	1737-1	1737 Hanlon	4/25/11	1020	JP	0.0	7.78	1.23	M	
83	10226	Hanlon / corner	4/25/11	1115	JP	0.0	8.23	0.459	M	
84	219	1837 Hanlon Way	4/25/11	1400	JP	0.0	8.14	7.80	M	
85	1880-1	Hanlon	4/25/11	1330	JP	0.0	7.61	0.440	M	
86	10194	Bleeward way	4/24/11	0855	JP	0.0	7.91	0.218	M	
87	10191	71 theeward way	4/24/11	0930	JP	0.0	7.94	0.312	M	
88	11289	Viking / Cove	4/24/11	1400	JP	0.0	7.98	0.454	M	
89	47	88 Viking way	4/23/11	0850	JP	0.0	7.84	0.317	M	
90		142 Viking Dr.	4/23/11	10300	JP	0.0	7.95	0.508	M	
91	10245	48 Dolphin Dr.	4/27/11	10:35	JP	0.0	7.88	0.234	M	
92		181 Viking way	4/27/11	11:20	JP	0.0	8.19	0.586	M	
93	10251	76 Gallen way	4/25/11	10:15	JP	0.0	7.89	0.349	M	
94	10235	328 Rip Tide Ct	4/27/11	1435	JP	0.0	8.03	0.281	M	
95	10235	Polaris dr / emsign ct	4/28/11	0835	JP	0.0	8.23	0.202	M	
96	10233	Polaris / Dolphin	4/28/11	0940	JP	0.0	8.10	0.505	M	
97	413	Light house Ct	4/28/11	1045	JP	0.0	8.00	0.180	M	
98	10231	Polaris / schooner	4/28/11	1310	JP	0.0	8.25	0.313	M	
99	224	337 Schooner	4/28/11	1420	JP	0.0	8.29	4.43	M	
100	10259	Mariner Ct	4/29/11	1420	JP	0.0	7.81	0.675	M	

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101		Mariner/Schooner	5/2/11	0745	SP	0.0	7.97	0.388	M	
102	10257	Schooner/Viking	5/2/11	0905	SP	0.0	7.83	0.552	M	
103	4897	Willow pass/Harmony	5/2/11	1035	SP	0.0	8.04	0.367	M	
104	4885	1186 Summer wy	5/2/11	1315	SP	0.0	7.77	0.976	M	
105	4892	1186 Red Leaf wy	5/2/11	1340	SP	0.0	8.18	0.443	M	
106	4880	Red Leaf/Summer wy	5/2/11	1415	SP	0.0	7.90	0.420	M	
107	4875	Summer wy/Dew Drop	5/3/11	0800	SP	0.0	7.93	0.232	M	
108	4872	11 Dew Drop	5/3/11	0857	SP	0.0	8.08	0.254	M	
109	10028	Seasons Dr/Harmony wy	5/3/11	0958	SP	0.0	8.21	0.377	M	
110	4890	13 Harmony ct	5/3/11	1035	SP	0.0	8.14	0.386	M	
111	4863	202 Babbling Brook wy	5/3/11	1315	Kms	0.0	7.85	0.390	M	
112	4862	1173 Seasons	5/3/11	1335	Kms	0.0	7.72	0.669	M	
113	4856	1946 Seasons wy	5/4/11	0825	SP	0.0	7.90	0.429	M	
114	4853	1958 Seasons wy	5/4/11	0850	SP	0.0	8.10	0.399	M	
115	4805	Rain drop cir/Winter wy	5/4/11	1059	SP	0.0	7.94	1.06	M	
116	4839	Babbling Brook/Winter wy	5/4/11	1430	SP	0.0	7.80	0.652	M	
117	4813	239 Snow Flake	5/4/11		SP	0.0	7.59	0.710	M	
118	4841	215 Babbling Brook	5/5/11	0800	SP	0.0	7.83	0.571	M	
119	10043	1169 Winter wy	5/5/11	0835	SP	0.0	7.54	0.128	M	
120	4845	4 Cider mill ct	5/5/11	0930	SP	0.0	7.91	0.316	M	

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121	4849	14 Corder Mill ct	5/5/11	0955	JP	0.0	8.01	0.574	M	
122	10023	winter w/ snowflake ct	5/5/11	11:05	JP	0.0	7.94	0.227	M	
123	4831	2159 Rindloop cir	5/5/11	1255	JP	0.0	8.01	0.386	M	
124	4817	2144 Rainloop	5/5/11	1315	JP	0.0	8.21	0.385	M	
125	4813	359 Snow Flake w/	5/5/11	1350	JP	0.0	7.98	0.475	M	
126	4815	321 Snow Flake	5/5/11	0815	JP	0.0	7.94	0.381	M	
127	10058	636 Rockspray	5/9/11	1055	JP	0.0	8.27	0.350	M	
128	10050	669 Rockspray ct	5/9/11	1130	JP	0.0	8.14	0.416	M	
129	10053	1196 Cape May	5/9/11	1330	JP	0.0	8.08	0.321	M	
130	10083	520 Chasapeake ct	5/9/11	1415	JP	0.0	8.10	0.338	M	
131	10085	1112 Chasapeake	5/10/11	0845	JP	0.0	8.01	0.192	M	
132	10086	1058 Chasapeake	5/10/11	0953	JP	0.0	8.24	0.153	M	
133	10077	1020 Mayport	5/10/11	1050	JP	0.0	8.21	0.435	M	
134	10075	1074 Mayport	5/10/11	1230	JP	0.0	7.95	1.59	M	
135	10080	968 Mayport	5/10/11	1255	JP	0.0	7.98	0.144	M	
136	10073	Mayport / Cape May	5/10/11	1410	JP	0.0	8.13	0.120	M	
137	10082	132 Mayport ct	5/11/11	0905	JP	0.0	8.27	0.311	M	
138	10072	978 Cape May	5/11/11	0930	JP	0.0	7.89	0.271	M	
139	10087	253 Conna Blvd cir	5/11/11	1010	JP	0.0	8.02	0.489	M	
140	10068	139 Mayport ct	5/11/11	1050	JP	0.0	8.14	0.398	M	

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141	10062	410 Cape May ct	5/11/11	12:50	SP	0.0	8.20	0.374	M	
142	10064	Cape May / Rockport	5/11/11	13:35	SP	0.0	8.03	0.264	M	
143	10066	523 Rockport ct	5/11/11	14:00	SP	0.0	7.98	0.389	M	
144	10088	Cape May / Chesapeake	5/12/11	08:25	SP	0.0	8.21	0.215	M	
145	523	egg west 10th st	5/12/11	10:31	IP	0.0	8.19	0.194	M	
146	14291	113 Rosserly ct	5/12/11	11:20	IP	0.0	8.07	0.290	M	
147		Pumphouse at Buckhorn	5/20/11	10:22	CT	0.0	7.9	0.085	M	
148	14295	Enterprise Cir Rockport	5/24/11	13:10	SP	0.0	8.0	0.262	M	
149	14297	311 Milestone ct	5/24/11	14:45	SP	0.0	8.0	0.580	M	
150	14301	1521 Enterprise cir	5/28/11	09:50	SP	0.0	7.98	0.210	M	
151	14307	409 Travis ct	5/28/11	10:20	SP	0.0	8.04	0.315	M	
152	14309	511 Bellows ct	5/27/11	08:30	SP	0.0	8.10	0.281	M	
153	14310	1543 Enterprise Cir	5/27/11	09:10	SP	0.0	8.05	0.325	M	
154	14317	616 Charleston	5/27/11	11:11	SP	0.0	8.21	0.318	M	
155	14321	Charleston st/cambriello	6/2/11	08:25	SP	0.0	7.84	0.149	M	
156	14326	Enterprise Cir	6/2/11	09:00	SP	0.0	7.83	0.133	M	
157		1583 Enterprise Cir/cambriello	6/2/11	09:54	SP	0.0	7.98	0.233	M	
158	14332	711 Reservation st	6/2/11	11:30	SP	0.0	7.56	0.081	M	
159	14336	810 Brimbridge st	6/2/11	13:00	SP	0.0	7.84	0.105	M	
160	14339	711 Thomassville ct	6/2/11	13:40	SP	0.0	7.71	0.211	M	

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161	14381	1001 Reliance Ct	6/8/11	0845	JP	0.00	7.23	0.161	ML	
162	PH/1335	1653 Enterprise Cir	6/8/11	0905	JP	0.00	7.72	0.125	ML	
163	14356	1809 Naflis Ct	6/8/11	1022	JP	0.00	7.25	0.348	ML	
164	14914	920 Back dramond	6/8/11	1030	JP	0.00	8.01	0.192	ML	
165	14353	1111 Cannon Ct	6/9/11	0810	JP	0.00	7.91	0.189	ML	
166	14911	W 10th / York	6/9/11	0835	JP	0.00	8.00	0.201	ML	
167	14905	W 9th / York	6/10/11	0815	JP	0.00	7.87	0.163	ML	
168	14903	W 9th / Cather	6/14/11	0930	JP	0.00	7.75	0.210	ML	
169	14901	302 W 9th	6/14/11	1025	JP	0.00	7.65	0.195	ML	
170	14916	W 9th / Herb white	6/14/11	1335	JP	0.00	7.98	0.253	ML	
171	15056	W 8th / Herb white	6/14/11	1410	JP	0.00	8.01	0.281	ML	
172	14914	W 8th / Black diamond	6/15/11	0905	JP	0.00	8.10	0.351	ML	
173	2867	8th / Black Diamond	6/15/11	0935	JP	0.00	8.05	0.198	ML	
174	PH/110	110 W 8th	6/15/11	1000	JP	0.00	7.98	0.189	ML	
175	2817	346 W 8th	6/15/11	1050	JP	0.00	8.15	0.163	ML	
176	14909	W 10th / Cather	6/15/11	1351	JP	0.00	8.05	0.181	ML	
177	14978	412 W 9th	6/16/11	0835	JP	0.00	8.11	0.149	ML	
178		John Henry Johnson	6/17/11	0820	JP	0.00	7.98	0.131	ML	
179		John Henry Johnson	6/17/11	0855	JP	0.00	7.81	0.128	ML	
180		John Henry Johnson	6/17/11	0935	JP	0.00	8.21	0.194	ML	

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181		Sohn Henry Johnson	6/17/11	1025	JP	0.00	8.10	0.211	AC	
182		Sohn Henry Johnson	6/17/11	1410	JP	0.00	8.18	0.239	AC	
183	10427	10 E 7th	6/20/11	0815	JP	0.00	7.16	0.298	AC	
184	10424	128 W 7th	6/20/11	0835	JP	0.00	7.57	0.229	AC	
185	10416	225 W 7th	6/20/11	0955	JP	0.00	7.71	0.193	AC	
186	10413	398 W 7th	6/20/11	1145	JP	0.00	7.54	0.156	AC	
187	11319	Herb White	6/20/11	1300	JP	0.00	7.89	0.228	AC	
188	11318	691 Herb White	6/20/11	1320	JP	0.00	7.54	0.224	AC	
189	10409	W 6th / Devito	6/21/11	0830	JP	0.00	7.91	0.311	AC	
190	10396	W 6th / Diella	6/27/11	0945	JP	0.00	7.44	0.221	AC	
191		Marina / York	6/27/11	1325	JP	0.00	6.99	0.403	AC	
192		Marina / Carter	6/27/11	1405	JP	0.00	7.77	0.293	AC	
193		Maring / Bay side	6/28/11	0835	JP	0.00	7.91	0.211	AC	
194		Maring / West	6/28/11	0740	JP	0.00	7.84	0.198	AC	
195	4304	Bay side / Maring	6/28/11	1010	JP	0.00	8.09	0.314	AC	
196	15659	End of Halsay	6/28/11	1110	JP	0.00	7.76	0.171	AC	
197	15695	Halsay / Starclay	6/28/11	1310	JP	0.00	7.85	0.209	AC	
198	15705	78 Starclay et	6/29/11	0846	JP	0.00	8.40	0.321	AC	
199	15676	1358 Isobel	6/29/11	0949	JP	0.00	8.10	0.178	AC	
200	15680	23 Elriska	6/29/11	1000	JP	0.00	7.91	0.279	AC	

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201	15683	7 Duvalia Ct	6/29/11	1110	ST	0.00	7.91	0.341	M	
202	988	1015 Beccan St	6/29/11	1325	SP	0.00	7.87	0.178	M	
203	14970	445 W 8th	6/29/11	1450	SP	0.00	8.02	0.223	M	
204	15070	456 W 9th	6/30/11	0810	SP	0.00	7.44	0.131	M	
205	161981	408 W 8th	6/30/11	0913	SP	0.00	7.30	0.182	M	
206		2011 Morro	6/30/11	1041	TP	0.00	7.77	0.948	M	
207	11937	2071 Morro	6/30/11	1115	TP	0.00	7.96	0.156	M	
208		2039 Plymouthe	1/30/11	1345	ST	0.00	7.51	0.315	JS	
209		1322 Isabel Ct	7/1/11	0735	SP	0.00	7.81	0.209	M	
210		2075 Seward Dr.	7/1/11	0830	TP	0.00	7.74	0.231	M	
211		2023 Cardiff	7/1/11	1135	SP	0.00	7.88	0.653	JS	
212		2005 Seaward Dr.	7/1/11	1055	Ac	0.00	7.86	0.271	JS	
213	1955	Newport / calip	7/1/11	0807	SP	0.00	7.93	0.464	M	
214	11959	2041 Newport	7/1/11	0835	TP	0.00	8.14	0.501	M	
215	13017	Stone harbor / gilwary	7/1/11	0850	SP	0.00	7.57	0.507	M	
216	13023	Stone harbor / Bryghol Dr	7/1/11	1020	SP	0.00	7.65	1.47	M	
217	13019	2084 Galway	7/1/11	1040	SP	0.00	7.73	1.81	M	
218		1982 Newport	7/1/11		SP	0.00	7.07	2.01	M	
219	12001	Biscay / Brig	7/11/11	1255	TP	0.00	2.61	3.04	M	
220	13021	Biscay / Stoneharbord	7/11/11	1450	TP	0.00	7.84	0.814	M	