YEAR 2: CHAPTER ONE - MUNICIPAL OPERATIONS PROGRAM

BMP #	BMPs	MEASURABLE GOALS	DPT	DIV.		GOALS MET & DATA TRACKING		
Street Sweeping and Cleaning						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
M0-1	**Sweep Streets By Mechanical Sweepers**	1. Sweep primary streets in downtown & main beach areas twice per week	Public Works	Refuse	Year 1-5	Yes	There are 40 curb miles of commercial streets including downtown, Soquel Ave, Mission & beach area. Goal is to sweep twice each week or 320 miles per month.	All sweeping requirements (#1-4) equal 1,038 curb miles per month. July 2010 through June 2011, there was a total of 17,339 curb miles swept (or an average of 1,445 curb miles swept per month). Total tonnage collected was 924 tons or an average of 77 tons per month. Only in August 2010 (710 curb miles) monthly goal (1,038 cm) not met due to temporary personnel shortfalls. Monthly performance data kept on file.
		2. Sweep primary streets in other commercial areas once per week	Public Works	Refuse	Year 1-5	Yes	There are 68 curb miles of secondary streets, primarily with bike lanes in other commercial areas and including West Cliff Drive and Beach Street. Goal is to sweep once per week or 295 miles per month.	See Above
		3. Sweep 75% of residential streets twice per month	Public Works	Refuse	Year 1-5	Yes/partial	There are 212 curb miles of residential streets. Division goal is to sweep twice per month or 424 curb miles per month. During permit year, 100% residential streets swept 2x/month except during August when res. street sweeping fell to only 1x/month due to reduced personnel.	See Above
		4. Sweep streets upon special request	Public Works	Refuse	Year 1-5	Yes	1,305 curb miles swept upon special request, or because of additional needs such as weather or special events.	See Above
		5. *Additional activity: Sweep Wharf daily with mechanical sweeper	Parks & Rec	Wharf	Not in SWMP	Yes-additonal item	From July 2010 through June 2011, the Wharf sweeper was operated 276.41 hours & collected approx. 65.48 cubic yards of material.	The monthly logs kept on file. Wharf sweeper purchased Winter 2010.
Sidewalks, Plazas, and Public Parking Lot Cleaning						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
MO-2	**Take Measures to Control Litter**	1a. Maintain litter and recycling receptacles in the downtown on a daily basis (evening collection)	Public Works	Parking Maintenance	Year 1-5	Yes	Approx. 60 receptacles are emptied on a daily basis.	Approximately 71 tons were collected. Parking Maintenance collects evenings. Includes receptacles in municipal parking lots and garages in the downtown district.
		1. b. Additional: Maintain litter and recycling receptacles in the downtown 6 days/week (morning collection)	Public Works	Refuse	Year 1-5	Yes	There are 26 containers on Pacific Avenue (Downtown) and these are collected 6 days a week (Mon-Sat).	Approx. 7 tons collected over the year (each container weighs @ 45 lbs). Sanitation collects mornings and Parking Maintenance collects evenings.
		1c. Maintain litter and recycling receptacles in the Wharf, Cowell Beach, and part of Main Beach (from Wharf to near Cocoanut Grove (Westlake ramp)) on a daily basis	Parks & Rec	Wharf, Parks	Year 1-5	Yes	Wharf: 96 32 gallon trash containers averaging 4 cu ft per day and 35 recycle containers averaging 1.5 cu ft per day.	Wharf Public Area Containers: 5191 loose yards of trash and 709 yards of loose recycle
		1d. Maintain litter and recycling receptacles in 35 City parks on a daily basis	Parks & Rec	Wharf, Parks	Year 1-5	Yes	Trash receptacles in the 35 City Parks are maintained/emptied daily.	
		1e. *Additional activity: Scrub sidewalks in downtown district with driveable Tenant Scrubber and walk behind Tenant Scrubber M-F weekly. Scrubbing water is collected by Scrubber unit.	Public Works	Parking Maintenance	Year 1-5	Yes-additonal item	Parking Maintenance staff cleaned the sidewalks in Downtown district with a “driveable” Tenant Scrubber during the weekdays. The cleaning cycle takes approximately two weeks to complete. 80 hours/month scrubbers were operated.	The large scrubber water waste tank has approx. 75 gallons of waste water and debris and small scrubber water waste tank has approx. 25 gallons of waste water and debris after each use. Scrubbing wash water is collected by the Scrubber unit.
		2. Receptacles in other areas emptied as needed	Parks & Rec	Parks	Year 1-5	Yes	Trash receptacles along East Cliff Drive & West Cliff Drive are emptied daily.	
MO-3	**Sweep Public Parking Lots and Parking Garages Regularly**	Clean lots w/a mechanical sweeper either 2x or 6x per week depending upon which location	Public Works	Traffic/Parking Prog	Year 1-5	Yes	25 lots cleaned 2x or 6x per week w/a mechanical sweeper.	Approx. 468 yards of debris was collected. Includes 4 garages with 14 levels altogether.
Storm Drain System Inspection and Cleaning						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
MO-4	**Inspection, Cleaning, and Repair of City Catch Basins and Inlets**	1. Clean 90% of catch basins and inlets located in the Downtown, Beach Flats, and lower Ocean Street areas annually in the Fall	Public Works	Wastewater Mains	Year 1-5	Yes	90% cleaned in downtown, B. Flats, and lower Ocean areas in Fall 2011.	17 cubic yards of debris collected from both catch basins and storm drain lines. Division staff made extensive efforts to accomplish this. Almost all drainage from these areas goes to river pump stations.

		2. Clean and repair 100% of storm drains or catch basins identified as clogged or non-functional annually in the fall or as soon as possible	Public Works	Wastewater Mains	Year 1-5	Yes	100 % cleaned and repaired citywide.	Priority and response is placed on any report from public for non functioning or plugged drains. Extensive staff time was spent responding to and providing additional cleaning of storm lines during the March 24-26, 2011 storms.
		3. After large storm events during the wet season, inspect 90% of catch basins in the Downtown, Beach Flats, and lower Ocean Street areas and re-clean them as needed.	Public Works	Wastewater Mains	Year 1-5	Yes	90% catch basins Downtown, Beach Flats, and lower Ocean Street inspected after large storm events & re-cleaned if needed. Catch basins in these areas are inspected and cleaned as necessary during rain events.	Priority inspection and cleaning occurs at both the gravity outlets and pumping stations that receive these areas.
		4. Inspect 50% of the catch basins in the outlying areas of the City annually and clean as needed.	Public Works	Wastewater Mains	Year 1-5	Yes/ partial/modi fy	Inspections of all catch basins were completed in the Westside zone by the Streets Division between Sept 1, 2010-January 30, 2011. In the westside zone, approx. 410 catch basins were cleaned with 1.0 cubic yards of debris removed.	There are a total of 7outlying zones in the City: Eastside, Upper SLR east, Upper SLR west, Arana Gulch, Neary Lagoon, West Cliff, and Westside. (Three other zones, Downtown, Main Beach/Beach Flats, and lower Ocean Street, are not considered "outlying zones" & are detailed in MG #1 above). There are at least 1,400 catch basins in the City.
MO- 5	**Inspection of Branciforte Storm Water Conveyance Channel and Trash Removal As Needed**	1. Annual inspection	Public Works	Wastewater Mains	Year 1-5	Yes	Branciforte channel is inspected weekly throughout the year. This includes all drainage ditches and adjacent toe ditches that feed the channel.	Extensive effort is placed on weed abatement and trash removal of surrounding toe ditches.
		2. Removal of 100% of large trash and debris items	Public Works	Wastewater Mains	Year 1-5	Yes	Branciforte Channel is inspected weekly. Any large debris is removed promptly.	Only minor trash and debris was reported by staff. Increased patrol by PD and Parks Rangers has helped in this effort.
MO-5-1-not in SWMP	**Inspection of San Lorenzo River and Trash Removal As Needed (in conjunction with Army Corps)-added**	1. Annual inspection	Public Works	Wastewater Mains	Year 1	Yes	The San Lorenzo River is inspected weekly throughout the year. This includes all gravity outlets and adjacent toe ditches that feed the channel. During rain events, gravity outlets are inspected daily and skimmed for all floatable trash and debris.	Installation of tide flex check valves on the river's west side have restricted the amount of trash that enters the river. City is conducting a more aggressive cleaning of gravity outlets to remove trash and debris. Tide flex check valves were recently installed on the river's eastside. This project was completed in June 2011.
		2. Removal of 100% of large trash and debris items	Public Works	Wastewater Mains	Year 1	Yes	The San Lorenzo River is inspected weekly. Any large debris is removed promptly.	Homeless encampment continue to be the most significant cause of debris. Extra effort has been taken by both PW crews and Parks Rangers to remove and clean these camps. Parks Rangers track hours and CY of debris removed.
MO 6	**Clean Pump Stations Along the San Lorenzo River**	Clean twice per year (Spring and Fall) Additional cleanings, if needed, during wet season after large storm events	Public Works	Wastewater Mains	Year 1-5	Yes	Fall cleaning was completed by 8/4/10. Spring cleaning was completed on 6/9/11. Pump Station 1B (Beach Flats) was cleaned twice during the wet weather season. Each station is inspected daily during wet weather and any floating trash is removed.	Fall cleaning was done early in 2010 in order to clean the pump stations prior to the river shoaling and the summer diversion start up. Spring cleaning of the pump stations is the most important due to debris from winter runoff/storms.
MO 7	**CDS Unit Maintenance**	1. Clean twice per year in Fall and Spring	Public Works	Wastewater Mains	Year 1-5	Yes	The Capitola Road CDS unit 2010 spring cleaning was deferred to July 2010 due to rains. The unit was inspected and cleaned twice more Fall 2010 (see below). Laurel Extension CDS fall cleaning done in Sept 2010. Spring cleaning of both units was done in April 2011. If a stoppage occurs they are cleaned sooner.	Capitola road extension CDS requires extensive traffic control to clean. Also, has constant water flow in it in the spring since a creek runs thru it. The Laurel Ext. CDS unit is a very small unit that is cleaned during spring and fall months. Additional cleanings occur during wet weather as needed.
		2. Inspect and clean, if necessary, monthly during rainy season	Public Works	Wastewater Mains	Year 1-5	Yes/partial/ modify	Capitola Road CDS unit was inspected and cleaned on 8/4/10, 11/7/10 and 4/14/11. Staff finds that additional cleanings other than spring and fall of this CDS unit are not needed. Staff continues to focus on higher priority BMPs which have a greater impact on water quality such SLR pump stations cleaning.	Staff hours are prioritized for cleaning the areas that have a greater impact on water quality such as pump station and the higher density living areas of the city. All CDS units are in the CMMS maintenance system (database) for 90 day inspection and cleaning if necessary.
MO-8	**Conduct Inspections of Storm Drain Lines**	TV or visual inspection of inside of an average of 1,000 ft of pipeline each year of 5 year period			Year 1-5	Yes/part of 5 year average	290 feet were TV'd in FY2010-11.	
Sanitary Sewer System Inspection and Cleaning						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
MO-9	**Clean Sanitary Sewer Main Lines**	1. Clean all sanitary sewer main lines every 18 months	Public Works	Engineering	Year 1-5	Yes/modify	165 miles of sanitary sewer pipe were cleaned between April 15, 2010-June 30, 2011.	This represents over 90% of our system. All line segment cleaning and condition notes are logged in the CMMS system.

		2. A follow-up inspection will be done of 100% of the lines where a problem is discovered during cleaning process	Public Works	Engineering & WW Mains	Year 1-5	Yes	8.25 miles of sanitary sewers were televised when a problem condition or discrepancy were noted btwn 7/1/10-6/30/11.	A total of 6 spot repairs were made to sanitary sewer system based on TV reports.
Repair and Rehabilitation of Sanitary Sewer and Storm Drain Lines						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
MO-10	**Replace or Rehabilitate Sanitary Sewer Main Lines**	Replace or rehabilitate an average of 3,000 feet of sewer main pipeline per year over the 5 yr permit period	Public Works	Engineering Wastewater Mains	Year 1-5	Yes/part of 5 year period	3,200 feet of sewer main pipeline was replaced or rehabilitated in FY10-11.	Location of work: Water (3000'), "Fun Spot"(200') (future MBNMS site near Wharf & Cowell's Beach).
MO-11	**Development and Implementation of a Lateral Inspection Program**	1. Outline of Program Details	Public Works	Engineering Wastewater Mains	Year 3	Not in Year 1-2		
		2. Implementation of Program	Public Works	Engineering Wastewater Mains	Year 5	Not in Year 1-2		
MO-12	**Repair and Rehabilitation of Minor Storm Drain Lines**	Repair or rehabilitate an average of 100 feet of pipeline per year of 5 year period	Public Works	Engineering	Year 1-5	Yes/part of 5 year average	250 feet of storm drain lines was replaced or rehabilitated in FY10-11.	Location of work: "Fun Spot" next to new NOAA structure (200'), and on Water Street (50').
MO-13	**CBI Grant #1: Dry Weather Diversion of Storm Water from SLR Pump Stations 1, 2, and 1A to the (WWTF) Wastewater Treatment Facility**	Divert SLR pump station water to WWTF 90 days per year	Public Works	Engineering Wastewater Mains	Year 1-5	Yes/partial/ modify	During the dry season, water is diverted to the treatment plant until the River shoals, which is typically by August 1st. Water accumulates daily in the pump stations and is pumped out weekly to the treatment plant after testing. Total gallons diverted per pump station from May 1, 2010 to June 30, 2011: Pump Station 1A=140,700 gallons; Pump Station 1=941,850 gallons; and Pump Station 2= 1,199,100 gallons. *Diversions not possible once river shoals.	Summer diversion stations are tested by City Environmental Compliance Division and must meet WWTF requirements prior to discharge into sanitary sewer. All summer diversion pumps are run until the wet well is dry. None of the main pumps are operated during dry weather unless river mouth closes and pumps are needed to relieve ground pressure.
MO-14	**CBI Grant #2: After CBI Grant Project Completion, Dry Weather Diversion of Storm Water from SLR Pump Stations 1B and 3 to the WWTF**	Divert SLR pump station water to WWTF 90 days per year once project work is completed	Public Works	Engineering Wastewater Mains	Start Date TBD	Yes/partial/ modify	During the dry season, water is diverted to the treatment plant until the River shoals, which is typically by August 1st. Water accumulates daily in the pump stations and is pumped out weekly to the treatment plant after testing. Total gallons diverted per pump station from June 30, 2010 to June 30, 2011: Pump Station 1B=789,600 gallons and Pump Station 3=2,400 gallons. *Diversions not possible once river shoals.	The diversion work (re equipment & piping) was completed at Pump Station # 1B by January 2008 and at Pump Station # 3 on May 27, 2008. Summer diversion stations are tested by City Environmental Compliance Div. and must meet WWTF requirements prior to discharge into sanitary sewer. All summer diversion pumps are run until wet well is dry. None of the main pumps are operated during dry weather unless river mouth closes and pumps are needed to relieve ground pressure.
Beach, Parks and Open Spaces						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
MO-15	**Conduct Cleaning at Main and Cowell Beaches**	1. Daily maintenance cleaning	Parks & Rec	Wharf, Parks	Year 1-5	Yes	Cleaning tasks: 1) Hand pick loose trash. 2) Mechanically sift sand for fine debris. 3) Empty and sort trash, recycle and cigarette butt containers. 4) Storm debris collecting, sorting, hauling and disposal/recycle. 5) Kelp management. 6) Maintain, sanitize and stock Beach and Cowell restrooms. 7) Maintain and repair beach vehicle and pedestrian access ramps. 8) Sweep Cowell parking lot & beach area walkways. 9) Schedule, supervise and provide equipment for organized volunteer beach cleanups by NGOs.	
		2. Annual spring cleaning to remove debris following winter storms	Parks & Rec	Wharf, Parks	Year 1-5	Yes	Annual cleanup started on March 21 and concluded on April 28, 2011. Approx. 150 yards of material was removed from the beach.	Majority of the removed material is woody debris, but also includes trash, litter, and miscellaneous objects. Due to a series of late storms, the cleanup took place over a longer period of time this year.
MO-16	**Implement Illegal Campsite Clean-Up Program In City Parks and Open Spaces**	Cleanup of illegal campsites at the appropriate locations on an annual basis	Parks & Rec	Parks, Ranger	Year 1-5	Yes	During the dry season, from approx. March 1st-Nov. 15, illegal campsite cleanups are conducted every 2 weeks. Approx. one 10 yard dumpster of trash/material is removed each time. During the rainy season, cleanups are done as needed per problems or heath & safety issues. Area restoration is done as needed to restore vegetation and control erosion.	Cleanup locations: 1) San Lorenzo River from the Tate Street intake to river mouth. Cleanup occurs in the river, on banks/slopes, and along river levee; 2) Branciforte and Arana Creeks; and 3) Open spaces including Pogonip, Neary Lagoon, DeLaveaga Park, Arana Gulch, and Moore Creek Preserve. The City spends approx. $40,000 per year on this program.
Neary Lagoon Management						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**

MO-17	**Dry Weather Diversion from Neary Lagoon to Wastewater Treatment Facility**	Divert lagoon water 108 days per year	Public Works	Wastewater Mains	Year 1-5	Yes/exceeded	Lagoon water was diverted to the WWTF on the following dates: 4/1/2010 to 12/9/2010; 4/30/2011 to 6/6/2011; and 6/9/2011 to 6/30/11 (and continued past end June 2011). Thus, during the permit year, the water was diverted approx. 221 days.	Lagoon water is diverted to the WWTF (treatment plant) year round until rains force gravity outlet opening.
MO-18	**Clean Neary Lagoon Storm Drain Lines and Discharge Bacteria Laden Water to the Sanitary Sewer System**	Clean storm drain lines and discharge the water to the sewer system for approximately 3 weeks each year during the Fall	Public Works	Wastewater Mains	Year 1-5	Yes	Cleaning of the 66" force main and 66" gravity line consisted of dewatering with bypass pump from 9/20/10-10/18/10. A total of 5,940,000 gallons was diverted to the sanitary sewer/treatment plant for treatment during this time period.	A project is being cost estimated that will install a slide gate over the gravity outlet. This will allow for better maintenance and removal of solids from both 66" gravity and force main pipelines. This project is scheduled for review in spring 2012.
Best Management Practices for Municipal Operations						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
MO-19	**Revise Municipal Operations BMPs If Necessary and Republish Brochure**	Distribute revised BMPs to applicable City Department Supervisors	Public Works	Engineering	Year 1-5	Yes	Done: BMPs Revised: April 2010; distributed at April 27, 2010 employee training; posted on City Intranet and Internet website in April 2010.	
Training and Education of City Staff						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
MO-20	**Develop A Storm Water BMP Training Piece**	Training brochure, PowerPoint presentation, or other effective method	Public Works, Parks & Rec, Water, Planning	Engineering	Year 3	Not in Year 1-2		
MO-21	**Train and Educate Appropriate Field Crews**	1. Train 100% of appropriate staff annually-City TOTAL	Public Works	Engineering	Year 1-5	Yes	100% trained	Public Works: 100% trained-41 field crew Parks & Rec: 100% trained-49 field crew Water Dept: 100% trained-27 field crew (Other PW & Water non-field crew staff also trained) Total field crew staff trained: 117 staff trained=100%. Plus, 14 Planning and Building permanent and temp staff trained
		1. Train 100% of appropriate staff annually-Public Works	Public Works	Engineering	Year 1-5	Yes	100% trained	City hired a consultant to give an on-site training class on storm water BMPs to City field crews on May 5, 2011. SW staff person attended class.
		1. Train 100% of appropriate staff annually-Refuse Collections	Public Works	Refuse	Year 1-5	Yes	100% trained	Training class given by Supervisor in March 2011. Training for Refuse Crew: All 15 staff trained by Supervisor. Topic: BMPs for cleaning refuse & recycling cans and containers. Staff cleans downtown sidewalk containers.
		1. Train 100% of appropriate staff annually-Public Works-Streets	Public Works	Streets	Year 1-5	Yes	100% trained	All 8 Streets field crew staff, including 1 Supervisor, completed SW BMP training on April 21, 2011.
		1. Train 100% of appropriate staff annually-Parking lot Maintenance/PW	Public Works	Traffic/Parking	Year 1-5	Yes	100% trained	6/18 Parking Maintenance Crew trained at on-site SW BMP training class on May 5, 2011. Later in May 2011, remaining permanent staff trained by Supervisor using BMPs for Municipal Operations. Training for the 4 remaining temporary/intermittent staff, who were off May through June, was done in July 2011.
		1. Train 100% of appropriate staff annually-Parks & Rec Central Zone	Parks & Rec	Parks & Rec-Downtown & Central Zone	Year 1-5	Yes	100% trained	10 of 10 staff attended on-site SW BMP training class on May 5, 2011. All Staff discussed class topics again during May 2011 Staff meeting.
		1. Train 100% of appropriate staff annually-Parks & Rec East Zone	Parks & Rec	Parks & Rec-East Zone	Year 1-5	Yes	100% trained	9 of 11 field crew staff attended the on-site SW BMP training class on May 5, 2011. Two remaining staff, who were off at the end of the FY, were trained by the Supervisor on 7/19/11.
		1. Train 100% of appropriate staff annually-Parks & Rec-Neary Lagoon	Parks & Rec	Parks & Rec-Neary Lagoon & West Zone	Year 1-5	Yes	100% trained	10 of 10 staff were trained by the Supervisor during a 5/9/11 Safety Meeting. Also, 5 of the field crew staff attended on-site SW BMP training class on 5/5/11.

		1. Train 100% of appropriate staff annually-Wharf/Parks & Rec	Parks & Rec	Parks & Rec-Wharf	Year 1-5	Yes	100% trained	Wharf: 2 supervisors and 7 staff (1 SR Parks Maintenance Worker, 1 Parks Maintenance Worker & 5 Wharf Construction Workers) attended on-site SW BMP training class on May 5, 2011. The remaining 9 staff: 2 Custodians, 1 Recycle aid, 2 Building Maintenance Workers and 4 seasonal Maintenance Aids were trained on the job by the Wharf Supervisor.
		1. Train 100% of appropriate staff annually-Water	Water	Distribution	Year 1-5	Yes	100% trained	All 17 staff including the Distribution Superintendent attended a department training class on storm water and BMP topics on May 24, 2011.
		1. Train 100% of appropriate staff annually-Water	Water	Production	Year 1-5	Yes	100 % trained	All 10 staff, including Production Superintendent, attended a department training class on storm water and BMP topics on May 24, 2011.
		1. Train 100% of appropriate staff (every 2 years)-Building	Planning	Building	Year 1-5	Yes	100 % trained	Training done on-site by a hired consultant on August 30, 2011. 4 Building Inspectors, 5 Planners, and temp. Green Building Specialist trained at class. 3 additional temporary Planning staff also attended the class. One Building Inspector was out sick and given training class Powerpoint presentation and City BMPs for Construction Work instead. On Oct. 25, 2010, a hired consultant provided an onsite training class on the new State Construction General Permit and 2 Building staff attended.
		2. Train new staff within 3 months of the beginning of employment-all depts.	All	All	Year 1-5	Yes	100% Water Dept. new staff; NA for PW & Parks & Rec permanent staff	New PW Parking and Parks field crew staff either trained at May 5, 2011 onsite training class or by each Supervisor upon hiring and at staff safety/tailgate meetings. Very few permanent staff hired in PW and P& Rec Depts. due to City work furlough and budget constraints. All new Water Dept. staff trained by each Supervisor using BMPs, SOPs, & training videos.
City-wide Watershed Issues Team						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
MO-22	**City-wide Watershed Issues Team Meetings to Discuss Watershed Issues Re TMDLS and Other Related Topics**	Meet semi-annually or more as needed	Public Works, Planning, Water, Parks & Rec, City Manager	WW Lab & Env. Compliance	Year 1-5	Yes	Dates of meetings: 1) July 22, 2010; 2) October 14, 2010; 3) Dec.13, 2010	Topics discussed: 1) Meeting with PW Engineering & PW Env. Compliance staff re TMDL issues in SLR, BCreek, and Carbonera Creek. Discussed recent sampling pilot for bacteria; 2) Gray water-changes to Building Code re storm water issues & water conservation; 3) Proposed amendment to the water quality control plan for the central coast region re adoption of TMDL for pathogens. Also, during Feb 2011 SW staff had multiple discussions, via phone & email, to staff in 4 City depts. re gathering information for the Tri-Annual TMDL Sediment report. Discussions also served to refresh staff on the Sediment TMDL for the SLR and the importance of city projects, programs, and policies beneficial to reducing sediment loadings to the SLR and tributary creeks.
City Contractors						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
MO-23	**Develop Boilerplate Contract Language Requiring City Contractors to Abide by the Applicable Mandatory Storm Water BMPs**	Inclusion of boilerplate language for bid masters and/or the City contract master	Public Works, Purchasing	Engineering	Year 2	Yes	Wording requiring contractors to abide by City Storm Water BMPs was placed in our Informal, Formal, and RFP masters on 12/1/10.	On 12/13/10, the City PO Terms and Conditions were also revised and posted on the Internet and City "Intranet." Text on the Finance Dept. webpage also refers those interested in doing business with the City to a link to the City's storm water BMPs.

YEAR 2: CHAPTER 2 - ILLICIT DISCHARGE DETECTION AND ELIMINATION PROGRAM

BMP #	BMPs	MEASURABLE GOALS	DEPT	DIVIS.		GOALS MET & DATA TRACKING		
Field Investigation Measures To Detect Illicit Connections and Discharges						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
ID-1	**Environmental Compliance Inspectors Conduct Site Inspections at Regulated Businesses**	1. Inspect 100% permitted industrial facilities	Public Works	Environ Compliance	Year 1-5	Yes	All 21 permitted IUs were inspected by an EC Inspector.	
		2. Inspect 100% vehicle service facilities	Public Works	Environ Compliance	Year 1-5	Yes	All 80 VSVs were inspected an EC Inspector once or more (if needed) during the year. EC maintained compliance with the Storm Water and Sewer Use ordinances at most facilities. Improved compliance at others.	
		3. Inspect 100% food service facilities	Public Works	Environ Compliance	Year 1-5	Yes	All 275 FSFs were inspected by an EC Inspector once or more (if needed) during the year. Most facilities were found in compliance with the Storm Water and Sewer Use ordinances although the EC Division did issue Warning Letters (<10) as needed to maintain compliance. Three NOVs and four Warning letters were issued to Food Service Facilities.	
ID-2	**Conduct Spill and Illegal Discharge Response**	Respond to 100% complaints and reports of illegal discharges	Public Works	Environ Compliance	Year 1-5	Yes	All complaints and reports of illegal discharges are responded to by an EC Inspector asap. Approximately 60 complaints were received this year. The most common complaints are re the discharge of soapy water, paint, and pressure washing wastewater to the street or storm drain system.	
		Respond to 100% complaints and reports of illegal discharges	Public Works	Wastewater Mains	Year 1-5	Yes	Sanitary sewer overflow calls from June 30, 2010 to June 30, 2011: there were 6 sewer main and 5 private lateral spills. 100% were responded to by Wastewater Mains Division and the spills were cleaned up/pumped out by City Vactor Truck.	
ID-3	**Conduct Storm Drain Outfall Monitoring for Bacterial Indicators at Three Locations Along West Cliff Drive**	Quarterly Monitoring	Public Works	Environ Compliance, Wastewater Lab	Year 1-5	Yes, Exceeded	Quarterly monitoring done at all 3 sites & goal actually exceeded as monitoring was increased to monthly during the year. EC developed data for coordination with the AB 411 beach monitoring data at all three locations on a monthly basis.	Goal exceeded
ID-4	**Conduct Television Camera Inspections of Storm Drain Lines**	See Chapter One, BMP #MO-8; TV or visual inspection of inside of an average of 1,000 ft of pipeline each year of 5 year period	Public Works	Wastewater Mains	Year 1-5	Yes/5 yr. average	290 feet were TV'd in FY2010-11.	13,732 feet were TV'd in FY2009-2010.
ID-5	**Sponsorship of First Flush**	See Chapter Four	Public Works	Engineering	Year 1-5	Yes/partial/ modify	See Chapter Four BMP #PE-13	
Repair and Rehabilitation of Sanitary Sewer and Storm Drain Pipelines & Dry Weather Storm Water Diversion						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
	See Chapter One	See Chapter One						
Education and Outreach						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
ID-6	**Develop and Implement A Public Storm Water Hotline Number**	1. Plan for hotline number	Public Works, Planning	Engineering, Environ Compliance, WW Mains, Building	Year 3	Not in Year 1-2	NA	An in-house telephone number to report illegal discharges or dumping is currently included on all pertinent BMP Brochures and Outreach Materials.
		2. Hotline number operational	Public Works, Planning	Engineering, Environ Compliance, WW Mains, Building	Year 4	Not in Year 1-2	NA	

	Please See Chapter 4 for Other Public Ed BMPs							
Corrective Measures and Enforcement Procedures						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
ID-7	**Implement Corrective Measures and Enforcement Procedures in Accordance with the Storm Water Ordinance**	Eliminate 100% of identified illicit discharges	Public Works, City Attorney	Engineering	Year 1-5	NA	PW Engineering forwarded all complaints to Environmental Compliance Inspectors. Thus, PWEN did not issue any corrective or enforcement actions.	
		Eliminate 100% of identified illicit discharges	Public Works, City Attorney	Environ Compliance	Year 1-5	Yes	One investigation was conducted, and no illicit connection was uncovered. Additional Warning Letters were issued by EC for construction related discharges & these are discussed in Chapter 5.	

YEAR 2: CHAPTER 3 - PUBLIC PARTICIPATION PROGRAM

BMP #	BMPs	MEASURABLE GOALS	DEPT	DIVIS.		GOALS MET & DATA TRACKING		
Public Meetings and Presentations						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
PP-1	**Hold Public Meetings for SWMP Related Issues**	1. Present SWMP items at Public Works Commission meetings twice during the five year permit period.	Public Works	Engineering	Year 1-5	Yes/1 of 2	Meeting #1: January 23, 2010, topic- hydromodification Joint Effort	
		2. Present SWMP items at City Council meetings twice during the five year permit period.	Public Works	Engineering	Year 1-5	Yes	Meeting #1: February 9, 2010, topic- hydromodification Joint Effort Meeting #2: June 22, 2010, topic- SW related programs & expenses funded by the newly approved storm water pollution prevention parcel tax (Clean River, Beaches, Ocean fund). Detailed costs per the fund and a review of SWMP achievements were provided. Future program goals and expenses also presented.	
		3. Annual public meeting in addition to #1 & 2 above.	Public Works	Engineering	Year 1-5	Yes	Annual SWMP Meeting: January 10, 2011, topic- Annual Public Meeting for Public Comment & Input on City SWMP; Staff also discussed projects for next FY. Also held a recognition event for Five Year and Ten Year Clean Ocean Business Vehicle Service Facilities on October 12, 2010.	In attendance-6 PW Commissioners, 3 PW staff (plus 2 PW presenters), and 4 members of the public. Of the latter 4, 3 were there specifically for the SWMP presentation (reps from SOS, CA Coastal Commission, and one engineer from a local engineering firm). Two of the 3 people spoke/provided comments.
Communication with Business Groups & Associations						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
PP-2	**Staff Will Contact the Downtown Association Annually; and Will Contact the Chamber of Commerce, Local Trade Organizations, and Business Groups on an "As Needed" Basis.**	1. Annual contact with Downtown Association	Public Works	Engineering	Year 1-5	Yes	Staff sent info piece on 5/2/2011 for inclusion in next members' update email. Info piece re requirement to discharge sidewalk cleaning wastewater in sanitary sewer. The Downtown Association to include info in an email newsletter to members in June 2011.	
		2. Contact with the Chamber of Commerce, local trade organizations, and business groups as needed	Public Works	Engineering	Year 1-5	Yes	1) City booth at the Santa Cruz Chamber of Commerce Annual Business Fair: March 23, 2011. 2) City booth at Plantronics Earth Day event: April 22, 2011.	Storm water pollution prevention and Green Business program outreach conducted at both events. 1) Approx. 500-1,000 people attended the SC Chamber of Commerce Business Fair. 2) 125-150 employees attended the Plantronics Earth Day event.
Volunteer Monitoring Programs						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
PP-3	**Sponsorship of First Flush**	1. At least 15 volunteers participating	Public Works	Engineering	Year 1-5	Yes/partial/ modify	Please see Chapter 4: BMP #PE-13	Please see Chapter 4: BMP #PE-13
		2. Annual report of sample results prepared by the Monterey Bay Sanctuary Citizen Watershed Monitoring Network	Public Works	Engineering	Year 1-5	Yes/modify	Please see Chapter 4: BMP #PE-13	Please see Chapter 4: BMP #PE-13
	Please See Chapter 4 for Public Ed BMPs							
Participation & Involvement of City Staff						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
PP-4	**Involve City Staff in the Development and Implementation of the SWMP**	4 meetings per year with the appropriate personnel	Public Works	Engineering	Year 1-5	Yes	7 Meetings w/Staff: Aug. 12, 2010; Sept. 7, 2010; Oct. 9, 2010; Feb. 24, 2011; Feb. 25, 2011; May 25, 2011; and June 9, 2011.	Meetings included Staff from PW, Parks & Rec, Planning Depts, and Building Division. Meeting topics: SWMP project implementation, beach cleaning, Hydromod Regional JE; and LID & design criteria for development projects.

YEAR 2: CHAPTER 4 - PUBLIC EDUCATION PROGRAM

BMP #	BMPs	MEASURABLE GOALS	DEPT	DIVIS.		GOALS MET & DATA TRACKING		
Education and Outreach Efforts						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
PE-1	**Replace Worn Stencils or Apply New Stencils to Storm Drain Inlets**	24 stencils replaced or newly applied annually	Public Works	Engineering, Streets	Year 1-5	Yes, exeeded	City funded Save Our Shores to do a storm drain inlet ed and marking program. SOS assessed 270 catch basins and applied "No Dumping" markers on 100 catch basins.	As part of the program, SOS also collected trash from around the catch basins yielding 74 lbs of trash & 17 lbs of recyclables. Specific items were counted: 27 plastic bags, 307 plastic food wrappers, 319 plastic pieces, and 744 cigarette butts. SOS also gave SW pollution prevention presentations at 2 High School science classes & one school-wide auditorium.
PE-2	**Participate in Public Events**	2 public events per year	Public Works	Engineering, Environ Compliance	Year 1-5	Yes	1) Coastal Cleanup Day: Sept. 25, 2010, City staff were Beach Captains at Main/Cowell Beaches; 2) Earth Day Santa Cruz: April 16, 2011, all day event.	1) CCD: Approx. 145 volunteers; and 330 lbs of trash and 88 lbs of recycling were collected at Main & Cowell Beaches. 2) At Earth Day, approx. 2,500-3,000 people attended.
PE-3	**Distribute Informational Brochures for Residents**	Distribute 200 brochures per year	Public Works	Engineering, Environ Compliance	Year 1-5	Yes	A total of 260 brochures were distributed at PW Counter, Main Library, & Special Events. Brochures also posted on the City website.	Distributed: Home Maintenance, Painting and Repair-93; Garden, Pool & Spa Maintenance-95; Vehicle Repair- 72
PE-4	**Utilize Door Hangers As Needed By Environmental Compliance Inspectors**	Distribute door hanger at 100% of residences when responding to a complaint and the resident is not home	Public Works	Environ Compliance	Year 1-5	Yes	Three door hangers were distributed this year (in 2011).	The door hangers were updated and reprinted in September 2010.
PE-5	**Distribute BMP Brochures for Businesses**	1. Distribute brochures at 100% of new food and vehicle service facilities during the initial site visit by the Environmental Compliance Inspector	Public Works	Environ Compliance	Year 1-5	Yes	Staff distributed the BMPs at all new FSF and VSFs. There were approximately 13 new FSFs and no new VSFs during the permit year. The BMPs, which were revised in 2010, were distributed to all of them.	Again in Permit Year 2, at least 200 BMPs were distributed by EC during visits to businesses and at public events. The BMPs are also posted on the City website.
		2. Distribute brochures at 100% of food and vehicle service facilities once during the 5 year permit period either during the annual site visit by the Environmental Compliance Inspector or by mail.	Public Works	Environ Compliance	Year 1-5	Yes	See above.	
PE-6	**Implement the Clean Ocean Business Program**	1. Annual inspections of 100% of food and vehicle service facilities	Public Works	Environ Compliance	Year 1-5	Yes	All 80 vehicle service facilities and 275 food service facilities were inspected. Of the 80 VSFs, 52 businesses qualified for the 2011 recognition. This equals 65% of the VSFs. Of the 275 FSFs, 164 businesses qualified for the 2011 recognition. This equals 60% of the FSFs (an increase from 53% last year).	
		2. Annual recognition for Clean Ocean Businesses	Public Works	Environ Compliance	Year 1-5	Yes	Recognition letter were sent to COBs on April 26, 2011. Newspaper ads in 2 local newspapers ran week of May 1, 2011. An online banner ad ran on one local newspaper website from May 7-21, 2011.	City staff also held a recognition event for Five Year and Ten Year Clean Ocean Businesses (Vehicle Service Facilities) on October 12, 2010. The event was held at City Hall, and the Mayor and City Council members attended the event.
PE-7	**Partner and Co-sponsor of the Monterey Bay Area Green Business Program**	Initiate the Green Business certification (audit) process for 30 business applicants per year	Public Works, Water	Engineering, Refuse & Recycling, Water Cons.	Year 1-5	Yes/modify	In Permit Year 2, 42 businesses initiated the certification process. Of the 42, 25 were new applicants and 16 were previously certified & needed to apply for recertification (GB certification lasts for 3 years). Of the 25 new applicants, 15 completed certification in the FY. Of the recertification applicants, 11 completed recertification in the FY.	Not all businesses that begin the GB certification complete the process w/in the FY. Also, a few businesses initiate the process but do not continue or complete the process. Expansion of the GB program to contractors of various types has increased the # of audit inspections by City staff. This additional work load, combined with City work furloughs, has impacted the initiation process.
PE-8	**Support for O'Neill Sea Odyssey Education Program**	Annual support for 10 school classes or 300 students per year	Public Works	Engineering	Year 1-5	Yes/modifie d & exceeded/m odify	1) *Storm Water Runs to It* Program-4 Fourth grade classes; 2) *Ocean Protectors* Program-4 Fourth grade classes and 2 community center groups.	Less classes funded under the *Storm Water Runs To It* program b/c funding now covers entire program expenses, not just the SW portion of each class as previously done when SWMP was written. However, added the Ocean Protectors program which includes an OSO boat field trip, plus a class presentation and beach cleanup by subcontractor, Save Our Shores. Total funding actually increased significantly.

PE-9	**Partner and Co-sponsor the Regional Pesticide Management Education Program-Our Water Our World Program (Ecology Action)**	1. In-store staff training at the 2 local participating stores	Public Works	Engineering	Year 1-5	Yes	Program staff (Ecology Action) conducted training at both local nurseries/garden retail stores. Four new employees were trained.	
		2. Restocking individual pest management flyers at the 2 stores	Public Works	Engineering	Year 1-5	Yes/exceeded	Program staff restocked 350 OWOW fact sheets/flyers in spring 2010. Additional program elements/highlights: 1) Employee training at 2 nurseries for a total of 10 staff trained. 2) One 4 hours tabling event conducted at a nursery with 26 customers educated. 3) Tabling at Earth Day Santa Cruz 2011 event (all day) with 40 residents educated. 4) Tabling at the Santa Cruz Community Farmers Market Earth Day Celebration Event with 35 residents educated. 5) Countywide program ran a bilingual OWOW radio ad campaign from June 11-June 26, 2011.	Ants, Healthy Lawns, and Aphids fact sheets were the most popular. The 2010-2011 Our Water Our World media promotion focused on a spring radio ad campaign. The paid 60 second PSA directs customers to the OWOW symbol when looking for a less-toxic pest control product at their local garden center, and to the Monterey Bay Green Gardener website when looking for an ecological landscaping service provider. All participating jurisdictions contributed match funds to purchase the radio ads. A total of 192 spots were played on Saturday and Sunday from 6/11-6/26 on KCDU THE BEACH, KPIG, and KKHK. During the June radio campaign, www.green-gardener.org received 96 unique site visits.
PE-10	**Co-sponsor Coastal Clean-Up Day**	Sponsorship of the event in Santa County at the Platinum level	Public Works	Engineering	Year 1-5	Yes/modify	Annual CCD was held on Sept. 25, 2010 & the local event organized by Save Our Shores. Within the City, over 1,162 volunteers participated and removed 1,504 pounds of trash and 471 pounds of recycling. Within the City, SOS ran cleanups at 17 beaches, river sites, and at the Municipal Wharf. City staff were site captains at Cowell's Beach. SOS conducted a media campaign (with event sponsors' logos) countywide to increase awareness & recruit volunteers.	The event included City locations: Natural Bridges State Beach, Woodrow Beach, It's Beach/Lighthouse Field, Cowell Beach, Seabright Beach, and Harbor Beach as well as specialty kayak and SCUBA cleanups on the Santa Cruz Wharf and cleanups along the San Lorenzo River. Media campaign: 13 print advertisements in The Good Times, Santa Cruz Weekly, Santa Cruz Sentinel and The Aptos Times. Also, 90 radio public service announcements ran on KPIG and The Beach in both Santa Cruz and Monterey during the month of September.
PE-11	**Co-Sponsor & Participate in Earth Day Santa Cruz**	2,000 people attending event	Public Works	Engineering	Year 1-5	Yes/modify	City co-sponsored Earth Day Santa Cruz on April 17, 2011. Approx. 2500-3000 people attended the all day event.	Also, multiple City staff tabled at the event and distributed pollution prevention, waste reduction, and Green Business program information.
PE-12	**Support for Earth Vision Environmental Film Festival**	300 people attending the event	Public Works	Engineeering	Year 1-5	NA/modified	Event was discontinued in 2009. Instead City funded Snapshot Day-see below.	
	Snapshot Day	added/substituted for above			Year 1-5	Yes	City partially funded Snapshot Day, which is organized by the Coastal Watershed Council, in Spring 2011 (and 2009 & 2010). This year Snapshot Day was held on May 7, 2011.	Event includes monitoring of 18 creek or waterbody sites w/in City (of 73 sites in county) and approx. 21 trained volunteers, making up 7 teams, w/ in the City (over 100 participating county-wide). The event occurred over 4 Central Coast counties with a total of 185 sites and 175 volunteers.
PE-13	**Co-sponsor First Flush**	1. 15 volunteers conducting the monitoring	Public Works	Engineering	Year 1-5	Yes/modify	18 volunteers trained at training class on 9/7/10 and at the dry run on 9/11/10. During FF event, 9 volunteers participated in actual monitoring as the others were unavailable that night. During permit year, the FF event occurred on October 17, 2010.	Sometimes trained volunteers are unavailable during first rain storm since not a scheduled event and often occurs at night. Optimum volunteer team is 3-4 volunteers/site. Since the City has 3 sites, 9 or more volunteers assigned to City sites is preferable. Request modification of goal to one team of volunteers at each site or some other parameter.
		2. Annual report prepared by the Monterey Bay Sanctuary Citizen Watershed Monitoring Network	Public Works	Engineeering	Year 1-5	Yes/modify	Final report received and is now prepared by CWC. The report is no longer prepared by MBSCWMN.	
	Additional programs or events							
	Green Gardener Program (Ecology Action & SC Adult Ed)	added	Public Works	Engineeering	Year 1	Yes	City PW partnered w/Ecology Action & SC Adult Education to hold 3 classes for gardening and landscaping company staff, and general public w/in City. Class topics included: LID, erosion control, and less toxic pest control methods. The Water Dept. funded 3 additional classes, and overall program advertising.	Classes-April 16: Ecological Landscape Design; April 30: Rain Gardens and Rainwater Harvesting; and May 21: Less Toxic Weed Management and Enhanced Biological Control. A total of 16 students attended one or more of the six classes offered, including 10 Green Gardener alumni and 6 members of the public. 11 students completed all six classes in the series (29 instructional hours) and were sent a certificate of completion.

	LID Outreach & Education for Residents (Resource Conservation District)	added	Public Works	Engineeering	Year 1	Yes	City funded RCD to conduct a LID education program for residents w/in City. Program included 1 public workshop; tabling at Earth Day Santa Cruz; and distribution of the RCD home drainage guide/LID brochure "Slow It. Spread It. Sink It!" in 3 local nurseries and landscape supply stores. The brochure was also mailed to residents upon request.	RCD worked with 3 local stores to display Guidance Manual/LID brochure and provide info cards re ordering a brochure from RCD or City. On March 23, 2011, RCD & City staff gave a presentation to a Santa Cruz Neighbors meeting with 27 residents in attendance. The Home Drainage/LID guide was highlighted & given to 9 people who wanted a copy. Tabling was conducted at the Santa Cruz Home and Garden Show on March 27, 2011 and Earth Day Santa Cruz event on April 16, 2011. The Home Drainage/LID guide was promoted & distributed at both these events, with 15 distributed at the Home & Garden show and 39 given out at Earth Day. City staff mailed the guide to 5 City residents who requested a copy of the brochure over the phone or by email.
	Regional Media Campaign	added	Public Works	Engineeering	Year 1	Yes	Regional municipal SW group (including the City of Santa Cruz and 13 other municipal entities located w/in the counties of Monterey and Santa Cruz) collaborated on and jointly funded a storm water ed media campaign. Storm water ed PSAs were run on 4 local TV stations for the entire permit year. Media campaign had an estimated reach of 229,150 households in Santa Cruz, Monterey and San Benito Counties. 2 TV PSAs entitled "Fowl Water" and "Storm Drains" were run, with the "Water Fowl" running in both English & Spanish, for the entire permit year. 400 public surveys were done at events (not w/in City) during Year 2 (Sept 8, 2010-August 1, 2011).	TV stations included: KION46, FOX35, and Telemundo23, and Central CoastCW. Coordination for the media campaign done by a consultant, Maris Sidenstecker, in coordination with the MRSWMP and the regional municipal SW group. The regional SW group included the cities and unincorporated areas of Monterey County, the City of Salinas, the County of Santa Cruz, and the cities of Santa Cruz, Watsonville, Capitola, and Scotts Valley. Public events surveys for the MRSWMP area showed that over 50% of the people had seen the ads (surveys not done in City of SC). *Survey Question: Have you seen TV commercials on storm water pollution?* Results: Ages 6-34: Yes= (119) 59.5% and No= (81) 40.5%; Ages 35-61+: Yes= (122) 61% and No= (78) 39%
	River & Creek Cleanups (Save Our Shores)	added	Public Works	Engineeering	Year 1	Yes	City funded Save Our Shores to conduct a River/ Creek Cleanup program w/in City. From July 2010-June 2011, there were 4 cleanup events with each at different site along the San Lorenzo River. Newspaper ads were run prior to each event to promote event/recruit volunteers and increase public awareness.	Permit Year 2 cleanup dates: Oct. 23, 2010, and Jan. 29, April 16 (Earth Day), May 28, 2011. In total, 253 volunteers participated, and 5,112 lbs of trash & 1,847 lbs recyclables were removed. Additional debris data: 748 plastic bags, 1,172 plastic food wrappers, 988 plastic pieces, 4,975 cigarette butts, 266 clothing items, 5 shopping carts, 8 appliances, 34 bike parts, and 13 car tires.
	Save Our Shores-July 4 & 5th Pollution Prevention Outreach and Star Spangled Beach Cleanups	added	Public Works	Engineeering	Year 1	Yes	City co-funded the countywide Save Our Shores (SOS) July 4th pollution prevention efforts and July 5th Star Spangled Beach Cleanups. City also funded ads in a local newspaper and a 30 second TV PSA prior to the July 4th holiday weekend re the beach cleanups and litter awareness. At the July 4, 2010 event, SOS provided litter ed & prevention efforts at 3 locations w/in City including at Main Beach, Seabright Beach, and Harbor Beach. At these beaches, 23 SOS volunteers distributed 1,150 bags to beach goers and educated approx. 1,750 people re proper disposal methods & ways to reduce plastic consumption. On July 5, 2010, SOS conducted 3 morning beach cleanups in the City including at Main Beach, Seabright Beach, and Harbor Beach.	In total, 124 volunteers removed 1,015 pounds of trash and 70 pounds of recycling. The City also co-funded the advertising and media campaign, which occurred in June and early July 2011 for the 2011 July 4th pollution prevention efforts and July 5th Star Spangled Beach Cleanups. These efforts included ads in a local newspaper and a 30 second TV PSA prior to the July 4th holiday weekend regarding the beach cleanups and litter awareness.
	Schools: Elementary School Classes-1st-3rd grades (Save the Whales)	added			Year 1-2	Yes	City funded Save The Whales to conduct a SW ed program for lower elementary grades w/in City schools from September 1, 2010-May, 2011. A total of 840 students were educated via 35 in-class presentations. The Sea Otters program was given to K-1st graders and the Marine Mammals program was taught to 2nd-3rd graders.	Presentations were given in the following schools: Bayview Elementary, DeLaveaga Elementary, Westlake Elementary, Holy Cross, Gateway School, and Alternative Family Education. Following the classroom presentation, teachers were given an evaluation survey to complete in order to calculate program effectiveness. All 35 teachers completed the evaluation and comments were very favorable.
	Schools: Elementary School Musical Assemblies on Watersheds & Storm Water Pollution (ZunZun)	added	Public Works	Engineeering	Year 1	Yes	City funded ZunZun Musical Group to conduct musical assemblies on watersheds & SW pollution prevention. Assemblies held at 4 local elementary schools for grades K-6th. Approx. 1,195 students attended in total.	Schools: Gault School-@ 420 students; Santa Cruz Children's School-@ 50 students; DeLaveaga School-@ 625 students; & Spring Hill Elementary-@ 100 students. Gault & Delaveaga are larger schools & thus had 2 and 3 assemblies respectively.

	Storm Drain Inlet Program: Marker Application & High School Education	added	Public Works	Engineeering	Year 1	Yes	City funded SOS to assess storm drain inlets/catch basins in specific areas re need for "No Dumping, Drains to Ocean" labeling since some of the old stencils or thermoplastic applications have worn off. Application of a new adhesive marker was done where needed. SOS staff also collected trash around inlets and tracked data. SOS conducted 3 presentations to Middle and High classes re preventing marine plastic pollution & waste reduction. Catch basin assessment & marker application was conducted in the following areas: Downtown Santa Cruz, Seabright area, and Mission/West Side areas since theses catch basins discharge to the San Lorenzo River or Monterey Bay.	In summary: 270 catch basin inlets were scouted & assessed, and 100 catch basins were labeled with the "No Dumping, Drains to Ocean" adhesive marker. SOS Docents cleaned catch basins during scouting and collected cleanup data. In total, 74 pounds of trash and 17 pounds of recycle was collected including 27 plastic bags, 307 plastic food wrappers, 319 plastic pieces, and 744 cigarette butts. Re the school ed class, SOS served a total of 254 students.
Education and Outreach for Restoration and Protection of Riparian Areas						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
PE-14	**Develop and Implement an Education Program Addressing the Restoration and Protection of Riparian and Wetland Areas**	1. Complete development of program plan	Planning, Public Works	Engineering	Year 4	Not in Year 1-3	NA	
		2. Implementation of educational measures, ie.e. hold workshops distribute brochures	Planning, Public Works	Engineering	Year 5	Not in Year 1-4	NA	
SWMP List of Interested Parties						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
PE-15	**Continue Development of the SWMP List of Interested Parties and Use It for Notification of SWMP Developments and Public Meetings**	1. Add 100% of those requesting to be placed on the list	Public Works	Engineering	Year 1-5	Yes	Created lists during SWMP approval process. Additional interested parties added to list upon request.	
		2. Annual notifications	Public Works	Engineering	Year 1-5	Yes	1) Sept. 5, 2010: Email to stakeholder list. 2) Oct. 10 & 21, 2010: Email to City Council members & Public Works Commissioners 3) Dec. 29, 2010: Email notification to all stakeholder and interested parties	1) Re: Notification that the City submitted the Storm Water Annual Report to the RWQCB & that the SW Annual Report is posted on the City Website. 2) Re: Notification that the City submitted the Storm Water Annual Report to the RWQCB & SW Annual Report is posted on the City Website. 3) Notice of public meeting on City's SWMP, including a SWMP presentation and opportunity to provide comments and input on SWMP. Meeting held on Jan 10, 2011 at City Transportation & Public Works Commission meeting.
City of Santa Cruz Website						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
PE-16	**Maintain Environmental Programs and Environmental Compliance Web Pages, and post the City's Draft and Final Storm Water Management Program (SWMP) on the City's Website**	1. Environmental Compliance Web Pages	Public Works	Environ Compliance	Year 1-5	Yes	City website was redesigned in Permit Year 1, and all pages were reviewed and updated as needed at that time. Staff continues to evaluate web pages and update w/current info. For example, each year the current list of Clean Ocean Businesses is posted.	
		2. Environmental Programs Web pages	Public Works	Engineering	Year 1-5	Yes	The City website was redesigned in 2010 & all pages were reviewed and revised as needed. Staff continues to evaluate web pages and update w/current info as needed. For example, this permit year, the newly revised VSF and FSF BMPs were posted.	Special events, such as volunteer river cleanups, Earth Day, and Annual Coastal Cleanup Day, are also posted on the City website's Calendar of Events.
		3. SWMP Posted on City Website	Public Works	Engineering	Year 1-5	Yes	Final SWMP posted in April 2009 and updated March 2010 per the Joint Effort for Hydromodification. Other SWMP revisions, such as updated BMPs, are posted when completed.	For example, the BMPs for food and vehicle service facilities were revised in June 2010 and posted to the web site upon completion. The Spanish versions were also updated and posted.
Assessment of the Public Education Program						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
PE-17	**Assess Community-Based Social Marketing Strategies and Incorporate Them Where Appropriate**	Incorporation of at least 1 new public education method	Public Works	Engineering	Year 5	Not in Year 1-4	NA	

PE-18	**Conduct Surveys to Assess the Effectiveness of the Education Efforts. Conduct a Baseline Evaluation Survey in Year 4 and Conduct an Evaluation Survey Every 5 Years Thereafter.**	Survey results that provide feedback on Program effectiveness and indicate areas that need improvement or change	Public Works	Engineering	Year 4 and every 5 years after that	Not in Year 1-3	NA	

YEAR 2: CHAPTER 5 - CONSTRUCTION SITE STORM WATER RUNOFF CONTROL PROGRAM

BMP #	BMPs	MEASURABLE GOALS	DEPT	DIVIS.		GOALS MET & DATA TRACKING		
Site Inspections						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
CON-1	**Planning/Building Inspectors Will Inspect All Construction Sites Requiring a Grading Permit. Inspections Will Also Be Conducted Prior to Well-Forecasted Rain Events at High Priority Construction Projects. Inspectors Will Also Inspect 50% or More of the Open Sites After Major Rain Events or Storms.**	1. During the grading process, 100% of small sites will be inspected 2 times and 100% of large sites will be inspected 3 times (Small sites are defined as generally less than 1/2 acre. Large sites are greater than 1/2 acre.)	Planning	Building	Year 1-5	Yes	In total, there were 14 sites including 3 small sites, 9 large sites, & 2 very large sites (> 1 acre). For example, one very large site was inspected 10 times during the reporting period. Lastly, an additional site > 1 acre was issued a grading permit on 6/30/11. This site will be reported on during the next SW Annual Report.	The projects > 1 acre are: 1) Delaware Avenue is a multi-unit commercial development. This project was halted and construction indefinitely postponed; and 2) Refugio Road is a large residential project. Lastly, an additional site greater than 1 acre, located at Isbel Drive, was issued a grading permit on 6/30/11. This site will be reported on during the next SW Annual Report.
		2. Inspect 100% of high priority sites prior to forecasted rain events	Planning	Building	Year 1-5	Yes	All sites were inspected multiple times during the rainy season including prior to forecasted rain events. Also, 12 sites were notified by letter on Sept. 1, 2010 and Oct. 15, 2010, and 13 sites were notified by letter on Nov. 2, 2010. Letters were re site preparedness and Storm Water BMPS & Winter Grading Rules prior to the onset of the rainy season.	Number of sites varied slightly due to 2 sites that completed or halted construction, and one new site that started during the Fall. Letters often sent to both the property owner and general contractor.
		3. After major rain events, 50% or more of "open" sites will be inspected	Planning	Building	Year 1-5	Yes	All open sites were inspected after major rain events.	
CON-2	**PW Staff Will Inspect Installation of Post-construction Treatment Systems and Storm Water Retention Devices at Development Sites Greater Than or Equal to One Acre**	Inspect systems and devices at 100% of development sites greater than or equal to one acre	Public Works	Engineering	Year 1-5	Yes	There are 3 sites: 1) The Delaware site was inspected by PW on 5/11/11. However work was temporarily halted & no construction occurring. 2) The Refugio site construction is still in the early stages & thus not ready for a PW inspection. Post-construction BMPs are estimated to be installed in 2012. PW staff will track status this Fall. 3) The Isbel Drive site was issued a grading permit on 6/30/11. This site will be reported on during the next SW Annual Report.	
Corrective Measures and Enforcement Procedures						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
CON-3	**Implement Corrective Measures and Enforcement Procedures in Accordance with the Grading Ordinance As Needed**	1. Respond to 100% of complaints	Planning	Building	Year 1-5	Yes	There were no complaints received from the public during the reporting period.	If and when a complaint is received, Building Inspection staff makes a site visit that day as soon as possible to assess the complaint validity. If it is valid, Staff starts with a verbal warning which may be followed by a written notice if compliance not achieved. Upon a third visit to a site (even with a different complaint) a written notice is typically given. If issue is not remedied in timely fashion, problem referred to Code Compliance for followup and/or issuance of NOV/citations.
		2. Implement corrective actions, as appropriate, for 100% of sites where a violation is detected	Planning	Building	Year 1-5	Yes	At one construction site, Staff noticed some vehicle dirt drag-out during an inspection on 11/11/10. Staff spoke to the contractor who immediately swept & cleaned up in the Inspector's presence. This project was located on River Street. No other violations were detected during the reporting period and thus no written corrective actions were issued.	Building Inspectors do give a verbal "heads up" to contractors if needed during their pre-storm inspections. This is done to ensure that a site is properly "buttoned up" prior to a rain event.
CON-4	**Implement Corrective Measures and Enforcement Procedures in Accordance with Title 4 As Needed**	Implement corrective actions, as appropriate, for 100% of sites where a violation is detected and referred to Code Enforcement for follow-up	Planning	Code Enforcement	Year 1-5	Yes	1) Broadway site-In Permit Yr. 1, City issued 4 citations for non-compliance.This year, the entry was paved and the site is scheduled for development within the year. Case is now closed. 2) Prospect Court site-In Permit Yr. 1, site issues re removal of vegetation and trees in the riparian corridor (with a creek at the bottom of the area) resulting in 4 years supervision w/Dept. of F&G. This year, the riparian corridor is now in good condition. Case is now closed.	Additional followup: 1) Broadway: At this time the case is closed, if any additional issues come up the case can be reopened. 2) Prospect Court: The case is now closed.

CON-5	**Respond to Complaints and Implement Corrective Measures and Enforcement Procedures in Accordance with the Storm Water Ordinance As Needed**	1. Respond to 100% of complaints	Public Works	Environ Compliance	Year 1-5	Yes	EC Inspectors discovered & responded to a total of 9 construction related stormwater violations. Of the 9 violations: 7 violations were on the Westside & 5 of these received Warning Letters. All were promptly corrected by the construction company. 1 violation was around the Depot Park project and it was corrected after receipt of a Warning Letter. 1 violation was on the East Side and it was corrected after notification by the City.	The 9 violations included: 1) Swift St. business construction site; 2) Delaware Avenue business construction site; 3) Pendegast Ave.; 4) Younglove Ave. (1st) home renovation; 5) Younglove Ave. (2nd) home renovation; 6) Gharkey St.; 7) Palm St.; 8) Roundabout project at Depot Park; and 9) Seabright Avenue construction site. The 7 (1-7) Westside incidents were related to spills of mulch, gravel, and concrete.
		1. Respond to 100% of complaints	Public Works	Engineering	Year 1-5	Yes	Complaints needing followup forwarded to Env. Comp. Inspectors (see above)	
		2.Implement corrective actions, as appropriate, for 100% of sites where a violation is detected	Public Works	Environ Compliance, Engineering	Year 1-5	Yes	5 Warning Letters were issued and several BMPs were distributed. Please see #1 above for details re each site. All the entities complied with the corrective actions ordered.	
		2.Implement corrective actions, as appropriate, for 100% of sites where a violation is detected	Public Works	Engineering	Year 1-5	NA	Complaints needing followup forwarded to Env. Comp. Inspectors (see above)	
CON-6	**Report Violations of the Construction General Permit to the RWQCB**	Report 100% of violations	Planning	Building	Year 1-5	NA	Staff did not encounter violations of State Construction Permit.	
			Public Works	Engineering	Year 1-5	NA	Staff did not encounter violations of State Construction Permit.	
Training and Education of City Staff						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
CON-7	**Provide Training to Planning/ Building Inspectors, Public Works Inspectors, and Planning and Public Works Plan Reviewers on Construction Site BMP Requirements**	1.a.Train 100% of Planning/ Building Inspectors, Public Works Inspectors, and Planning and Public Works Plan Reviewers every two years--Public Works Staff	Public Works	Public Works	Year 1-5	Yes	1) PW SW staff attended an onsite training class on construction site BMPs & storm water regs on 8/30/11. Training done by hired consultant.	Date of training class: 8/30/11. Two PW Staff trained at class and PW Plan Reviewer reviewed training class PowerPoint presentation and City BMPs for Construction Work.
		1.b. Train 100% of Planning/ Building Inspectors, Public Works Inspectors, and Planning and Public Works Plan Reviewers every two years	Planning	Planning	Year 1-5	Yes	100% of Planning & Building Staff trained on construction site BMPs and storm water regs.	Training done on-site by a hired consultant on 8/30/11 (same as above). 4 Building Inspectors, 5 Planners, and temp. Green Building Specialist trained at class. 3 additional temporary Planning staff also attended the class. One Building Inspector was out sick and given training class PowerPoint presentation and City BMPs for Construction Work instead. On Oct. 25, 2010, a hired consultant provided an onsite training class on the new State Construction General Permit and all Planners and 2 Building staff attended.
		2. Train new Inspectors and Plan Reviewers within 3 months of the beginning of employment-Planning	Planning	Planning	Year 1-5	NA	No new Planners	
		2. Train new Inspectors and Plan Reviewers within 3 months of the beginning of employment-Building			Year 1-5	Yes	New Deputy Building Inspector hired at end of June 2010. Training completed August 2010.	
		2. Train new Inspectors and Plan Reviewers within 3 months of the beginning of employment-PW			Year 1-5	NA	No new PW Plan Reviewers or PW Inspectors	
		3. Additional training on new or changed BMPS as needed	Planning/Public Works	Planning/Public Works	Year 1-5	Yes	1) On Oct. 25, 2010, a hired consultant provided an onsite training class on the new State Construction General Permit and all Planners, 2 Building staff, and one PW staff attended. 2) City Planner and PW staff attended the on-site LID Design Training session by Dr. Darla Inglis on Nov. 17, 2010 per the Regional Joint Effort.	
Education and Outreach						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**

CON-8	**Distribute Construction BMP Brochure**	1. Available At the Planning Department counter	Planning	Building	Year 1-5	Yes	Planning Public Counter supply (informational display) was checked & restocked as needed. In general, staff checks/restocks supply on quarterly basis. This year, 38 Construction BMP brochures were distributed from the Public Counter informational display.	
		2. Distribute to 100% of project applicants for Grading and Building Permits	Planning	Building	Year 1-5	Modified	A predevelopment "Permit Development Checklist" is provided to all grading & building permit applicants for commercial or multi-residential projects. The checklist includes a checkbox re BMPs and an Erosion Control plan complete, and re a SWPPP & NOI for sites 1 acre or more. The checklist must be completed and returned prior to permit issuance. In addition, Building Staff holds a preconstruction conference w/builder or developer for all large sites or sites in sensitive areas. These meetings always include a review of the construction and grading BMPs applicable to the project.	
CON-9	**Distribute Construction BMP Handouts By Environmental Compliance Inspectors As Needed**	Give BMP handouts to 100% of problems detected either while out in the field or during complaint response	Public Works	Environ Compliance	Year 1-5	Yes	5 sites in the City were given the BMPs during FY2011.	
CON-10	**Attach BMP Permit Conditions for Public Works Over-the-Counter Street Opening and Concrete Permits**	100% Street Opening and Concrete Permits	Public Works	Engineering	Year 1-5	Yes	All permits are issued w/storm water BMPs printed on back (this feature was programmed into the computerized permit issuance system).	

YEAR 2: CHAPTER 6 - POST CONSTRUCTION STORM WATER MANAGEMENT PROGRAM

BMP #	BMPs	MEASURABLE GOALS	DEPT	DIVIS.		GOALS MET & DATA TRACKING		
Protection of Riparian Areas, Wetlands, and Their Buffer Zones						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
PC-1	**On City Owned Property, No New City Development Projects Shall Be Permitted Within 30 Feet of a Wetland Without an Approved Project-specific Habitat Management Plan and a Site-specific Water Quality Management Plan.**	Formalize and implement strategy	Public Works, Planning,	Engineering	Year 1	Yes	Requirement added to mandatory Storm Water BMPs for Development & Remodeling Projects revised June 2010.	
Mandatory BMP/Design Standards for Development and Remodel Projects						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
PC-2	**Revise Mandatory Storm Water BMPs/ Design Standards**	1. Revision to require more effective BMPs to treat parking lot runoff	Public Works	Engineering	Year 2	Yes	Done: BMPs revised in June 2010	
		2. Revision to clarify that all development projects per General Permit Attachment 4 will be subject to structural or treatment control BMP requirements	Public Works	Engineering	Year 2	Yes	Done: BMPs revised in June 2010	
		3. A process for project applicants to follow to identify structural or treatment control BMPs that will effective in removing a development project's pollutants of concern.	Public Works	Engineering	Year 2	Yes	Done: BMPs revised in June 2010	
PC-3	**Derive Municipality-Specific Criteria for Controlling Hydromodification in New and Redevelopment Projects Using Water Board-Approved Methodology Developed through the Joint Effort**	Hydromodification Control Criteria	Public Works Planning	Engineering	JOINT EFFORT Q8	Not in Year 1-2	NA	
PC-4	**Select Applicability Thresholds for Applying Hydromodification Control Criteria to New & Redevelopment Projects. Applicability Thresholds Will Be Consistent with Long-Term Watershed Protection.**	Applicability Thresholds	Public Works, Planning	Engineering	JOINT EFFORT Q8	Not in Year 1-2	NA	
PC-5	**Develop and Enact A Strategy for Implementing LID and Hydromodification Control for New and Redevelopment Projects.**	Guidance: 1. Develop, advertise and make available LID BMP Design Guidance suitable for all stakeholders	Public Works, Planning	Engineering	JOINT EFFORT Q4	Not in Year 1-2	NA	
		Guidance: 2. Specific guidance on how to achieve and demonstrate compliance with the hydromodification control criteria and LID requirements made available to new and redevelopment project applicants	Public Works, Planning	Engineering	JOINT EFFORT Q8	Not in Year 1-2	NA	
		Education & Outreach: 1. Documentation of goals, schedules, and target audiences for education and outreach the municipality will conduct in support of the following strategic objectives: enforceable mechanisms, hydromodification control criteria, applicability thresholds, LID BMP design, and compliance with LID and hydromodification control criteria	Public Works, Planning	Engineering	JOINT EFFORT Q2	Yes	At the end of the JE Q2, the City submitted to the RWQCB an "LID Education and Outreach Schedule." This schedule is included in Chapter 6 of this report. The table has been updated with a "Status" column in order to provide an update on the accomplishments to date for this Annual Report.	
		Education & Outreach: 2. Tracking Report indicating municipality's accomplishments in education and outreach supporting implementation of LID and hydromodification control for new and redevelopment projects (Q8)	Public Works, Planning	Engineering	JOINT EFFORT Q8	Not in Year 1-2	NA	

		Interim LID Implementation: 1. Apply LID principles and features to all applicable new and redevelopment projects.	Public Works	Engineering	JOINT EFFORT Q2-Q8	Yes	The City has been applying LID principles to all applicable projects since Q2 and even to specific projects prior to the start of Q2. In June 2010, the City revised the mandatory "Storm Water BMPs for Development and Remodel Projects" and the revisions included the addition of a LID section. This applies to all projects including residential (including single and duplex dwellings), commercial, and industrial projects. Thus, the City asks even small residential projects to consider LID although these may request an exemption if LID is not feasible at the site. A table providing an overview of the project applications, either received or in process since January 1, 2011 (the beginning of Q2), is included in Chapter 6. There were 5 new projects (4 residential and 1 commercial) and 2 remodel projects (both residential).	In addition, there were 2 large redevelopment projects that were reviewed, issued permits and constructed during Permit Year 2 prior to Joint Effort Q2. These projects installed LID measures & thus are mentioned: 1) Church Street: Commercial development (offices). Bio-swales and parking lot curb cuts were installed. Curb cuts were designed to allow parking lot runoff to flow into bio-swales. 2) Soquel Avenue: Commercial development (grocery store). 3 bio-swales were installed. Also, the City has contracted with an outside consultant to assist in the review of development project plans, specifically related to LID, as needed.
		2. Tracking Report, for the period Q2 to Q8, identifying LID design principles and features incorporated into each applicable new and redevelopment project.	Public Works	Engineering	JOINT EFFORT Q9	Not in Year 1-2		
Long Term Watershed Protection						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
PC-6	**Review and Evaluate the City's General Plan and Other Watershed Protection Planning Efforts. In Conjunction, Develop Where Feasible Quantifiable Measures That Indicate How the City's Watershed Protection Efforts Related to Storm Water Management Achieve Desired Watershed Conditions.**	1. Determination if long-term watershed management and protection efforts are addressed and, if not, identification of sections needing revisions.	Public Works, Planning	Engineering	Year 4 & 5	Not in Year 1-3	NA	
		2. Quantifiable Measures	Public Works, Planning	Engineering	Year 4 & 5	Not in Year 1-3	NA	
Site Inspections						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
PC-7	**PW Staff will Inspect Installation of Post-construction Treatment Systems and Storm Water Retention Devices at Development Sites Greater Than or Equal to One Acre**	Inspect 100% of development sites greater than or equal to one acre	Public Works	Engineering	Year 1-5	Yes	There are 3 sites: 1) The Delaware site was inspected by PW on 5/11/11. However work was temporarily halted & no construction occuring. 2) The Meder Street site's Building Permit was recently issued on 6/20/11 and thus a PW inspection is not yet applicable. 3) The Refugio site construction is still in the early stages & thus not ready for a PW inspection. Post-construction BMPs are estimated to be installed in 2012. PW staff will track status this Fall.	Same as BMP #CON-2
Long Term Maintenance and Monitoring						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
PC-8	**Implement Program to Ensure Long-term BMP Inspection and Maintenance. Spot Inspections Will Be Conducted**	1. Develop an electronic database or spreadsheet to better track & assess sites over time	Public Works	Engineering	Year 1	Yes	Done: created Excel spreadsheet. Currently, City has 19 maintenance agreements.	
		2. Enforce the proof of annual BMP inspection and maintenance requirement at 100% of sites	Public Works	Engineering	Year 1-5	Yes	Letters sent to 17 sites: 11/10 /2010. (One site was not sent a letter b/c the project was not completed and one site signed the Maint. Agree. in May 2011.) Emails sent to 3 nonresponders in March 2011. Letter sent to remaining non-responsive site on 6/2/2011 and 6/21/2011. Phone calls were also made as needed.	City has 19 maintenance agreements: 2 from last year were removed since projects were discontinued (Building permits expired), plus 4 new ones. Last year, we did not receive proof of maintenance by Dec. 1st from any sites. This year, however, there was a significant improvement as we rec'd proof of maintenance from all but 3 sites. All 3 sites that were initially non-responsive were inspected.

		3. Implement a spot inspection program at 10% of sites annually	Public Works	Engineering	Year 2-5	Yes	4 sites were inspected including the 3 initially non-responsive sites. Inspections were conducted on: 1) March 1, 2011; 2) May 26, 2011; 3) March 29, 2011; and 4) May 26, 2011.	Of the 4 sites: 1) One condo site was inspected & found partially vacant. Staff spoke to owner-explained program & got updated contact info. BMPs were clean; 2) One multiple residential site paritailly built but vacant, BMP was clean; 3) One commercial site was inspected and all BMPs were clean; 4) The remaining non-responsive site, four townhouses, was inspected and staff found sediment trap full of leaves. Letter sent to individual townhome addresses.
PC-9	**Implement Corrective Measures and Enforcement Procedures As Needed in Accordance with the Municipal Code**	Implement corrective actions, as appropriate, for 100% of sites where a violation is detected	Planning	Building	Year 1-5	Yes	See Chapter 5	
			Planning	Planning	Year 1-5	Yes	1) Mountain View Avenue site-In Permit Year 1, the property owner changed the direction of the creek within a riparian corridor area. Code Enforcement notified Dept. of Fish & Game who took over as the lead agency. City follow up included monitoring of the situation. In Permit Year 2, the property owners re-vegetated the area along the riparian corridor. Dept. of Fish & Game is lead agency and City continued to monitor the situation. 2) South Branciforte Avenue condo site-In Permit Year 1, a NOV was issued to Homeowners Assoc. for violations re the adjacent public pathway & riparian area. Violations included lack of maintenance, cutting down and removal of vegetation from the riparian area, and failure to maintain fencing for pathway and riparian area. An Administrative Hearing was conducted. In Permit Year 2, the Homeowners Assoc. paid a fine for violations. Trees were planted in the riparian area and the pathway maintained. Also, new fencing was installed.	1) Dept. of F& G followed up by issuing a permit to the property owner & required annual biotic review for the next five years. City sent letter sent to property owner to obtain yearly biotic review reports. No reports have been received yet, but a follow-up will continue to obtain the reports. 2) Administrative Hearing issued a Decision that the path and riparian area will be maintained by the Homeowners Association for 5 years per the new trees and vegetation near the creek. The case will remain open for review of the riparian corridor.
PC-10	**Develop and/or Modify Enforceable Mechanisms That Will Effectively Implement Hydromodification Controls and LID. Enforceable Mechanisms May Include Municipal Codes, Regulations, Standards, and Specifications.**	1. An analysis of all applicable codes, regulations, standards, and/or specifications that identifies modifications and/or additions necessary to effectively implement hydromodification controls and LID	Public Works, Planning	Engineering	JOINT EFFORT Q2	yes	City conducted a thorough GAP Analyses review of all City codes and submitted the Gap Analyses Report to the RWQCB (on April 27, 2011) as required by April 30, 2011.	The Gap Analysis Report included an overview letter and 2 tables, one which identified all the codes reviewed and the other that detailed specific code items and potential LID impediments. The Gap Analysis resulted in five possible obstacles to implementing LID contained in City regulations. As part of the JE, City will modify code as applicable & where possible.
		2. Approved new and/or modified enforceable mechanisms that effectively resolve regulatory conflicts and implement hydromodification controls and LID in new and redevelopment projects	Public Works, Planning	Engineering	JOINT EFFORT Q8	Not in Year 1-2	NA	
		3. Apply new and/or modified enforceable mechanisms to all applicable new and redevelopment projects.	Public Works, Planning	Engineering	JOINT EFFORT Q9	Not in Year 1-2	NA	
Education and Outreach						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
PC-11	**Distribute BMP Brochure for Development and Remodeling Projects**	Distribute to 100% of discretionary project applicants	Planning/PW	Develop-ment Review staff	Year 1-5	Yes	Development review staff distributes brochure to project applicants either by email, paper copy, or referral to City website.	
			Public Works	Engineering	Year 1-5	Yes	Referred all PW phone inquiries to BMPs on City Website. Inquiries at PW Public Counter given hard copy of BMP brochure.	
PC-12	**Hold Educational Workshops on LID and Hydromodification Control Requirements**	1. One educational workshop after the hydromodification control criteria have been developed	Public Works, Planning	Engineering	Approx. JOINT EFFORT Q8	Not in Year 1-2	NA	

PC-13	**Develop and Implement an Education Program Addressing the Restoration and Protection of Riparian and Wetland Areas**	1. Complete development of program plan	Public Works, Planning	Engineering	Year 4	Not in Year 1-3	NA	
		2. Implementation of educational measures, i.e. hold workshops, distribute brochures	Public Works,Planning	Engineering	Year 5	Not in Year 1-2	NA	
Training and Education of City Staff						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
PC-14	**Provide Training to Appropriate Planning & Public Works Staff**	1. Train 100% of appropriate staff every two years.	Public Works, Planning	Engineering	Year 1-5	Yes	See BMP #CON-7: 100% of Planning & Building Staff trained on construction site BMPs and storm water regs. 2 PW storm water staff person also attended. Onsite training class held on August 30, 2011.	See BMP #CON-7: Training done on-site by a hired consultant on 8/30/11. 1 PW SW staff, 1 PW Inspector, 4 Building Inspectors, 5 Planners, and 1 temp. Green Building Specialist trained at class. 3 additional temporary Planning staff also attended the class. One Building Inspector was out sick and given training class PowerPoint presentation and City BMPs for Construction Work instead. PW Plan Reviewer also trained by reviewing class presentation and City BMPs.
		2. Train new Inspectors and Plan Reviewers within 3 months of the beginning of employment.	Planning	Planning	Year 1-5	NA	No new staff	
			Planning	Building	Year 1-5	Yes	New Deputy Building Inpspector hired at end of June 2010, and training completed by August 2010.	
		3. Additional training on new or changed BMPs as needed	Public Works, Planning	Engineering	Year 1-5	Yes	City Planner and PW staff attended the on-site LID Design Training session by Dr. Darla Inglis on Nov. 17, 2010 per the Regional Joint Effort.	
			Planning	Planning	Year 1-5	Yes	City Planner handed out the newly revised Development BMP brochure and lead a discussion of the BMP revisions with Current Planning staff at July 13, 2010 staff meeting.	

YEAR 2: CHAPTER 7 - INDUSTRIAL FACILITIES PROGRAM

BMP #	BMPs	MEASURABLE GOALS	DEPT	DIVIS.		GOALS MET & DATA TRACKING		
Industrial Waste Discharge Program						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
IF-1	**Conduct Site Visits at Significant Industrial Users (SIUs)**	Annual site visits at 100% of SIUs	Public Works	Environ Compliance	Year 1-5	Yes	Site visits were conducted at all 21 SIUs in Permit Year 2. Site visits assessed compliance with BMPs and directives of the Storm Water Monitoring program; and the Sewer Use Ordinance.	
Facilities Regulated Under the State General Industrial Permit						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
IF-2	**Identify and Verify That Regulated Facilities Have Filed a NOI, Notify RWQCB of Discrepancies**	1. Annual review of list of regulated industries that have filed a NOI with the RWQCB and comparison to the City's list of permitted industrial facilities	Public Works	Environ Compliance	Year 1-5	Yes	Staff reviewed list sent by the RWQCB & compared to City IU list.	
		2. Notify the RWQCB of 100% of discrepancies re industries that should have filed a NOI and did not	Public Works	Environ Compliance	Year 1-5	NA	Not necessary, no discrepancies were found.	
IF-3	**Conduct Site Visits at Industrial Facilities That Have Filed a NOI**	Conduct site visit at 100% of additional sites not already in the City's SIU program once every 5 years	Public Works	Environ Compliance	Year 1-5	Yes	A site visit was conducted in Permit Year 1 to evaluate 1 prospective SIU. A permit was subsequently issued to this site in Permit Year 2.	
Education and Outreach						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
IF-4	**Conduct Education and Outreach to Regulated Businesses**	Annually distribute BMP brochure at 100% of initial or new sites, and as needed at current sites if the business has not retained a copy.	Public Works	Environ Compliance	Year 1-5	Yes	The Environmental Compliance Inspectors give a BMP brochure to all new sites and to current sites during the annual inspections as needed.	In Permit Year 1, the BMP brochure for Industrial Facilities was revised and posted on the City website.

YEAR 2: CHAPTER 8 - COMMERCIAL FACILITIES PROGRAM

BMP #	BMPs	MEASURABLE GOALS	DEPT	DIVIS.		GOALS MET & DATA TRACKING		
Outreach and Education						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
CF-1	**Revise the BMPs for Vehicle Service Facilities, Food Service Facilities, and Retail and Commercial Businesses As Needed**	Revise all 3 brochures per sidewalk cleaning regulations and other additional topics if any	Public Works	Engineering, Environ Compliance	Year 1	Yes	Accomplished in Year 1: VSF BMPs revised: June 2010 FSF BMPs revised: June 2010 Retail/Com BMPs revised: June 2010	Revisions were uploaded to City website upon completion.
Vehicle Service Facilities						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
CF-2	**Conduct Site Inspections for VSF**	Conduct annual inspections at 100% of VSF	Public Works	Environ Compliance	Year 1-5	Yes	EC staff conducted inspections at all 80 facilities between July 2010-June 2011. Some sites were visited more than once if necessary for follow up.	One facility was issued two warning letters on outdoor vehicle washing between July 2010-June 2011.
CF-3	**Implement Clean Ocean Business (COB) Program for VSF**	Conduct annual recognition for 100% of COBs	Public Works	Environ Compliance	Year 1-5	Yes	Full page ads recognizing all COBs ran in the Sentinel and Good Times newspapers on May 7 & May 5, 2011 respectively. Recognition letter sent to each Clean Ocean Business on April 26, 2011. Online ad banner in Sentinel e-edition ran May 7-21, 2011. City staff also held a recognition event for Five Year and Ten Year Clean Ocean Businesses (Vehicle Service Facilities) on October 12, 2010. The event was held at City Hall, and the Mayor and City Council members attended the event.	52 VSF businesses qualified in 2010 for the 2011 COB recognition. This equals 65% of eligible businesses and met the criteria within the review period.
Food Service Facilities						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
CF-4	**Conduct Site Inspections for FSF**	Conduct annual inspections at 100% of FSF	Public Works	Environ Compliance	Year 1-5	Yes	EC Staff conducted site inspections at all 330 FSFs during the permit year. Some sites were visited more than once if necessary for follow up.	A total of 7 (seven) facilities were issued Warning Letters.
CF-5	**Implement Clean Ocean Business (COB) Program for FSF**	Conduct annual recognition for 100% of COBs	Public Works	Environ Compliance	Year 1-5	Yes	Full page ads recognizing all COBs ran in the Sentinel and Good Times newspapers on May 7 & May 5, 2011 respectively. Recognition letter sent to each Clean Ocean Business on April 26, 2011. Online ad banner in Sentinel e-edition ran May 7-21, 2011.	164 FSF businesses qualified in 2010 for the 2011 recognition, representing approximately 60% of eligible entities during the review period.
Mobile Service Cleaners						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
CF-6	**Complaints or Staff Observations of Illegal Discharges by Mobile Washers**	Follow-up on 100% of complaints or reports of illegal discharges	Public Works	Environ Compliance	Year 1-5	Yes	Five Warning Letters and two NOVs were issued. One NOV was issued to a property manager and the other NOV to a mobile washer/janitorial service. Of the five Warning Letters, one was issued to a property manager and four were issued to mobile washers/janitorial services. Also, 5 residential entities were issued a verbal or written warning on storm water violations and 4 were instructed on proper handling of construction materials around storm drains.	EC & other City staff receive complaints from both the general public and businesses (sometimes those in competition with the alleged violators), which reflected successful public education and good access to the public to report observations.
			Public Works	Engineering	Year 1-5	Yes	All complaints were forwarded to Environmental Compliance Inspectors for followup	

YEAR 2: CHAPTER 9 - ADDRESSING TMDLs IN THE SWMP

BMP #	BMPs	MEASURABLE GOALS	DEPT	DIVIS.		GOALS MET & DATA TRACKING		
Additional BMPs that the City Will Implement						**Done Yes/No**	**Goal Data**	**Other Data (may attach info)**
TMDL 1	**Develop Additional BMPs as Necessary in Conjunction With The TMDL For Sediment**	Target=Sediment Additional BMPs and measures	Public Works	Engineering	Year 3	Not in Year 1-2	NA	
TMDL 2	**Develop Additional BMPs as Necessary in Conjunction With The TMDL For Pathogens**	Target=Bacteria Additional BMPs and measures	Public Works	Engineering	Year 3	Not in Year 1-2	NA	
Wasteload Attainment Allocation Program(s)						**Done Yes/No**	**Goal Data**	**Other Data (may attach info)**
TMDL 3	**Develop, Submit, and Implement a Wasteload Allocation Attainment Program(s) (WAAP) to Address Controllable Sources Associated with the Storm Water System for Each Impairing Pollutant/TMDLs within the City's Jurisdiction.**	Target=Sediment & Bacteria 1. Develop and submit WAAP(s)	Public Works	Engineering	Year 4	Not in Year 1-3	NA	
		2. Implement WAAP(s)	Public Works	Engineering	Year 5	Not in Year 1-4	NA	
BMPs and Other Measures In SWMP Chapters 1-8-Please refer to the respective chapters for program results & data						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
	CHAPTER ONE							
MO 1	**Sweep City Streets By Mechanical Sweepers**	Target=Sediment & Bacteria 1. Sweep primary streets in downtown & main beach areas twice per week	Public Works	Streets	Year 1-5	Please refer to Chapter	Please refer to Chapter	
		2. Sweep primary streets in other commercial areas once per week	Public Works	Refuse	Year 1-5			
		3. Sweep 75% of residential streets twice per month	Public Works	Refuse	Year 1-5			
		4. Sweep streets upon special request	Public Works	Refuse	Year 1-5			
	Added item: Sweep Wharf with mechanical sweeper	Sweep Wharf daily			Not in SWMP			
MO 3	**Sweep Public Parking Lots and Parking Garages Regularly**	Target=Sediment & Bacteria. Clean lots w/a mechanical sweeper either 2x or 6x per week depending upon which location	Public Works	Traffic/Parking Prog	Year 1-5			
MO 4	**Inspection, Cleaning, and Repair of City Catch Basins and Inlets**	1. Clean 90% of catch basins and inlets located in the Downtown, Beach Flats, and lower Ocean Street areas annually in the Fall	Public Works	Wastewater Mains, Operations	Year 1-5			
		2. Clean and repair 100% of storm drains or catch basins identified as clogged or non-functional annually in the fall or as soon as possible	Public Works	Wastewater Mains	Year 1-5			

		3. After large storm events during the wet season, inspect 90% of catch basins in the Downtown, Beach Flats, and lower Ocean Street areas and re-clean them as needed	Public Works	Wastewater Mains, Operations	Year 1-5			
		4. Inspect 50% of the catch basins in the outlying areas of the City annually and clean as needed	Public Works	Wastewater Mains, Operations	Year 1-5			
MO 5	**Inspection of Branciforte Storm Water Conveyance Channel and Trash Removal As Needed**	Target: Sediment. 1. Annual inspection	Public Works	Wastewater Mains	Year 1-5	Yes		
		2. Removal of 100% of large trash and debris items	Public Works	Wastewater Mains	Year 1-5	Yes		
MO-5-1-not in SWMP	**Inspection of San Lorenzo River and Trash Removal As Needed (in conjunction with Army Corps)-added**	1. Annual inspection	Public Works	Wastewater Mains	Year 1	yes		
		2. Removal of 100% of large trash and debris items	Public Works	Wastewater Mains	Year 1	yes		
MO 6	**Clean Pump Stations Along the San Lorenzo River**	Target=Sediment & Bacteria Clean Twice Per Year (Spring & Fall) Additional cleanings if needed during wet season and after large storm events	Public Works	Wastewater Mains	Year 1-5			
MO 8	**Conduct Inspections of Storm Drain Lines**	Target=Bacteria & Sediments TV or visual inspect the inside of an average of 1000 feet of pipeline each year over a 5 year period	Public Works	Engineering, Wastewater Mains	Year 1-5			
MO 10	**Replace or Rehabilitate Sanitary Sewer Main Lines**	Target=Bacteria & Sediments Replace or rehabilitate an average of 3,000 feet of sewer main pipeline per year over the 5 year permit period	Public Works	Engineering, Wastewater Mains	Year 1-5			
MO 11	**Development and Implementation of a Lateral Inspection Program**	1. Outline of Program Details	Public Works	Engineering	Year 3			
		2. Implementation of Program	Public Works	Engineering	Year 5			
MO 12	**Repair and Rehabilitation of Minor Storm Drain Lines**	Target=Bacteria & Sediments Repair or rehabilitate an average of 100 feet of pipeline per year over the 5 year permit period	Public Works	Engineering	Year 1-5			
MO 13	**CBI Grant #1: Dry Weather Diversion of Storm Water from SLR Pump Stations 1, 2, and 1A to the Wastewater Treatment Facility (WWTF)**	Target=Bacteria & Sediments Divert SLR pump station water to WWTF 90 days per year	Public Works	Wastewater Mains	Year 1-5			
MO 14	**CBI Grant #2: After CBI Grant Project Completion, Dry Weather Diversion of Storm Water from SLR Pump Stations 1B and 3 to the Wastewater Treatment Facility**	Target= Bacteria & Sediments Divert SLR pump station water diverted to WWTF 90 days per year once project work is completed	Public Works	Engineering	Start date TBD			
MO 16	**Implement Illegal Campsite Clean-Up Program In City Parks and Open Spaces**	Target= Bacteria Cleanup of illegal campsites at the appropriate locations on an annual basis	Parks & Rec		Year 1-5			
MO 22	**City-wide Watershed Issues Team Meetings to Discuss Watershed Issues Re TMDLS and Other Related Topics**	Meet semi-annually or more as needed	Public Works	Engineering				
	CHAPTER TWO							

ID-2	**Conduct Spill and Illegal Discharge Response**	Target=Sediment & Bacteria Respond to 100% complaints and reports of illegal discharges	Public Works	Environmental Compliance	Year 1-5			
ID-6	**Develop and Implement A Public Storm Water Hotline Number**	Target=Sediment & Bacteria 1. Plan for Hotline Number	Public Works	Engineering	Year 3			
	CHAPTER FOUR							
PE-1	**Replace Worn Stencils or Apply New Stencils to Storm Drain Inlets**	Target=Sediment & Bacteria 24 stencils replaced or newly applied annually	Public Works	Engineering	Year 1-5			
PE 10	**Co-sponsor Coastal Clean-Up Day**	Target+ Sediment & Bacteria Sponsorship of the event in Santa County at the Platinum level	Public Works	Engineering	Year 1-5			
PE 14	**Develop and Implement an Education Program Addressing the Restoration and Protection of Riparian and Wetland Areas**	Target= Sediment 1. Complete development of program plan	Planning	Planning	Year 4			
		2. Implementation of educational measures, i.e. hold workshops, distribute brochures	Planning	Planning	Year 5			
	CHAPTER FIVE							
CON 1	**Planning/Building Inspectors Will Inspect All Construction Sites Requiring a Grading Permit. Inspections Will Also Be Conducted Prior to Well-Forecasted Rain Events at High Priority Construction Projects. Inspectors Will Also Inspect 50% or More of the Open Sites After Major Rain Events or Storms.**	1. During the grading process, 100% of small sites will be inspected 2 times and 100% of large sites will be inspected 3 times	Planning	Building	Year 1-5			
		2. Inspect 100% of high priority sites prior to forecasted rain events	Planning	Building	Year 1-5			
		3. After major rain events, 50% or more of "open" sites will be inspected	Planning	Building	Year 1-5			
CON 2	**PW Staff Will Inspect Installation of Post-construction Treatment Systems and Storm Water Retention Devices at Development Sites Greater Than or Equal to One Acre**	Inspect systems and devices at 100% of development sites greater than or equal to one acre	Public Works	Engineering	Year 1-5			
CON 3	**Provide Training to Planning/Building Inspectors, Public Works Inspectors, and Planning and Public Works Plan Reviewers on Construction Site BMP Requirements**	Target= Sediment 1. Train 100% of Planning/Building Inspectors, Public Works Inspectors, and Planning and Public Works Plan Reviewers every two years.	Planning		Year 1-5			
		2. Train new Inspectors and Plan Reviewers within 3 months of the beginning of employment.	Planning		Year 1-5			
		3. Additional training on new or changed BMPS as needed	Planning		Year 1-5			
	CHAPTER SIX							
PC 1	**Develop a Strategy to Require Development Projects Within Public Lands to Establish and Maintain A Minimum of 30 Foot Buffer Zone for Wetlands**	Target=Sediment Formalize and implement strategy	Planning		Year 3			

	Revise Mandatory Storm Water BMPs/ Design Standards Brochure	Target=Sediment & Bacteria 1. Revision to require more effective BMPs to treat parking lot runoff	Public Works Planning					
		2. Revision to clarify that all development projects per General Permit Attachment 4 will be subject to structural or treatment control BMP requirements	Public Works Planning					
		3. A process for project applicants to follow to identify structural or treatment control BMPs that will effective in removing a development project's	Public Works Planning					
		4. Revise in accordance with new Hydromodification Control Standards	Public Works Planning					
PC 3	**Derive Municipality-Specific Criteria for Controlling Hydromodification in New and Redevelopment Projects Using Water Board-Approved Methodology Developed through the Joint Effort**	Target=Sediment	Public Works Planning	Engineering	JOINT EFFORT Q8			
PC 4	**Select Applicability Thresholds for applying Hydromodification Control Criteria to New and Redevelopment Projects. Applicability Thresholds will be Consistent with Long-Term Watershed Protection.**	Target=Sediment	Public Works Planning	Engineering	JOINT EFFORT Q8			
PC 5	**Develop & Enact A Strategy for Implementing LID & Hydromodification Control For New and Redevelopment Projects**	Target=Sediment 1. Guidance #1 & 2	Public Works Planning	Engineering	Guidance: 1. JE Q4 2. JE Q8			
		Target=Sediment 2. Education & Outreach #1 & 2	Public Works Planning	Engineering	Ed & Outreach: 1. JE Q2 2. JE Q8			
PC 11	**Distribute BMP Brochure for Development and Remodeling Projects**	Target=Sediment Distribute to 100% of discretionary project applicants	Planning		Year 1- 5			
PC 14	**Provide Training to Appropriate Planning & Public Works Staff**	Target=Sediment 1. Train 100% of appropriate staff every two years.	Planning		Year 1- 5			
		2. Train new Inspectors and Plan Reviewers within 3 months of the beginning of employment.	Planning		Year 1- 5			
		3. Additional training on new or changed BMPS as needed	Planning		Year 1- 5			

YEAR 2: CHAPTER 10 - SWMP PROGRAM MANAGEMENT

BMP #	BMPs	MEASURABLE GOALS	DEPT	DIVIS.		GOALS MET & DATA TRACKING		
Program Management						**Done Yes/No**	**Goal Data**	**Other Data (may attach info); or Explain If Goal Not Met**
PM-1	**Develop an Effectiveness Assessment Strategy**	1. Identify a process to be used to conduct effectiveness assessments and improve BMP implementation.	Public Works	Engineering	Year 4	Not in Year 1-3		
		2. Identify quantifiable BMP and program effectiveness measurements	Public Works	Engineering	Year 4	Not in Year 1-3		
		3. Assessment of BMP implementation	Public Works	Engineering	Year 4	Not in Year 1-3		