

Chapter 1: MUNICIPAL OPERATIONS PROGRAM

Please note that several additional activities, not specified in the SWMP, were implemented this year in the Municipal Operations Program. These additional activities are listed and described under their respective BMPs and are delineated as follows: *ADDITIONAL ACTIVITY.

BMP #MO-1: Sweep City Streets By Mechanical Sweepers

Measurable Goals (MG):

1. Sweep primary streets in downtown and main beach areas twice per week
2. Sweep primary streets in other commercial areas once per week
3. Sweep 75% of residential streets twice per month
4. Sweep streets upon special request

Year 1 Summary:

1. There are 40 curb miles of commercial streets including downtown, Soquel Ave, Mission Street & the beach area. The goal, which was met, is to sweep twice each week or 320 miles per month. All sweeping requirements (#1-4) equal 1,038 curb miles per month. From July 2009 through June 2010, we swept 12,859 curb miles (or an average of 1,072 curb miles swept per month). Total tonnage collected was 744 tons or an average of 62 tons per month. For April, May and June of 2009, 3,459 total curb miles were swept (or an average of 1,183 curb miles swept per month) and 188 tons of material were collected (or an average of 63 tons per month). Monthly performance data is kept on file.

2. 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, which was met, is to sweep once per week or 295 miles per month.

3. There are 212 curb miles of residential streets. The Refuse Division strives to sweep all residential twice per month or 424 curb miles per month. During permit year, 100% residential streets were swept twice per month except during April-June 2010 when residential street sweeping fell to only once per month due to reduced personnel that quarter.

4. 1,305 curb miles of streets were swept upon special request or because of additional needs such as weather or special events.

5. *ADDITIONAL ACTIVITY: During the permit year, the Parks and Recreation Department purchased a new mechanical sweeper and conducted sweeping of the Wharf on a daily basis. From March 2010 through July 2010, the Wharf sweeper was operated 101.5 hours and 29.75 cubic yards of material was collected.

Effectiveness: all goals met except MG#3 was partially met. This was because street sweeping occurred once per month for one quarter due to reduced staff.

Proposed Modifications: none

Planned Year 2 Activities: continue

BMP #MO-2: Take Measures to Control Litter

Measurable Goals:

1. Maintain litter and recycling receptacles in the downtown and Wharf areas, and in City parks, on a daily basis. This goal was broken into sub-categories for both clarity and tracking purposes as follows:

- 1a. Maintain litter and recycling receptacles in the downtown on a daily basis (evening collection)
 - 1b. Additional: Maintain litter and recycling receptacles in the downtown area Monday-Saturdays (morning collection)
 - 1c. Maintain litter and recycling receptacles in the Wharf, Cowell Beach, and part of Main Beach (from Wharf to near Cocconut Grove by the Westlake ramp) on a daily basis
 - 1d. Maintain litter and recycling receptacles in 35 City parks on a daily basis
2. Receptacles in other areas emptied as needed

Year 1 Summary:

1a. Parking Maintenance services approximately 60 receptacles in the Downtown area on a daily basis in the evenings. Parking Maintenance also services receptacles in the parking lots and garages in the downtown district. During the year, 11.29 tons were collected.

1b. In addition, the City there is 26 containers on Pacific Avenue (Downtown) that are collected six days a week (Mon-Sat) by the City Sanitation Division in the mornings. Approximately 7 tons were collected during the year (each container weighs @ 45 lbs). From April-June 2009, approximately 1.71 tons were collected.

1c. Wharf: The 96 32-gallon trash containers are serviced daily averaging 4 cu ft. collected per day. There are 35 recycle containers which are also serviced daily with an average of 1.5 cu ft. collected per day. The Wharf Public Area containers yielded: 5191 loose yards of trash and 709 yards of loose recycle.

1d. Trash receptacles in the 35 City Parks were maintained/emptied daily.

1e. *ADDITIONAL ACTIVITY: During the permit year, Parking Maintenance staff cleaned the sidewalks in Downtown district with a “driveable” Tenant Scrubber weekly Monday through Friday. The cleaning cycle takes approximately two weeks to complete. This unit is used by the City because the scrubbing wash water is collected by the Scrubber unit so that there is no discharge.

2. Trash receptacles along East Cliff Drive & West Cliff Drive were emptied daily.

Effectiveness: all goals met and exceeded w/ additional item mentioned above

Proposed Modifications: none
Planned Year 2 Activities: continue

BMP #MO-3- Sweep Public Parking Lots and Municipal Garages Regularly

The City cleans the public parking lots (Nos.2,3,4,5,6,7,8,9,10,11,13,14,16,17, 20,23), Locust Garage and Soquel/Front Garages with a mechanical vacuum sweeper 6 days per week in lieu of wet cleaning. Lots 12, 18, 24 and 25 are mechanically swept once per week.

Measurable Goals:

Clean lots w/a mechanical sweeper either 2x or 6x per week depending upon which location

Year 1 Summary: Public Works Parking staff cleaned 25 City lots either 2 times or 6 times per week, depending upon the location, with a mechanical sweeper. Approximately 312 yards of debris were collected. This includes 4 parking garages with 14 levels altogether.

Effectiveness: goal met

Proposed Modifications: none

Planned Year 2 Activities: continue

BMP #MO-4: Inspection, Cleaning and Repair of Catch Basins and Inlets

Measurable Goals:

1. Clean 90% of catch basins and inlets located in the Downtown, Beach Flats, and lower Ocean Street areas annually in the Fall
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
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.
4. Inspect 50% of the catch basins in the outlying areas of the City annually and clean as needed

Year 1 Summary:

1. Wastewater Mains staff cleaned 90% of catch basins and inlets in the Downtown, Beach Flats, and lower Ocean Street areas in the fall. Approximately 44 cubic yards of debris were collected from both the catch basins and storm drain lines. Division staff made extensive efforts to accomplish this because almost all drainage from these areas goes to the San Lorenzo River pumping stations.

2. Citywide, 100 % of storm drains or catch basins that were identified as clogged or non-functional were cleaned and repaired. Priority and response is placed on any report from the public regarding non- functioning or plugged drains. 100% of reported incidents were responded to and corrected. Also, a catch basin at Miramar Drive was improved by installing a dry weather diversion to route non-storm runoff to the sanitary sewer.

3. 90% catch basins located in the Downtown, Beach Flats, and lower Ocean Street areas were inspected after large storm events and re-cleaned if needed. Catch basins in these areas are also inspected and cleaned as necessary during rain events. Priority inspection and cleaning occurs at both the gravity outlets and San Lorenzo River pumping stations that receive flow from these areas.

4. Inspections of all catch basins were completed in the Eastside zone by the Streets Division between Sept 1, 2009 and January 30, 2010. Approximately 270 catch basins in the Eastside zone were cleaned and 2.1 cubic yards of debris was removed.

There are a total of seven outlying zones in the City: Eastside, Upper SLR-east, Upper SLR-west, Arana Gulch, Neary Lagoon, West Cliff, and Westside. (There are three other zones, Downtown, Main Beach/Beach Flats, and lower Ocean Street, which are detailed in MG #1 above). There are over 1,400 catch basins in the City.

Effectiveness: goals met for MG #1-3. Goal partially met for MG #4.

Proposed Modifications: The City would like to request a modification of Measurable Goal #4 due to the large number of catch basins citywide. It is more feasible for staff to inspect one “zone” in the outlying areas of the City annually and clean as needed. As mentioned above, in the Eastside Zone alone there are 270 catch basins. Thus, the City is requesting that Measurable Goal #4 be modified to read “Inspect all of the catch basins in one outlying zone/area of the City annually and clean as needed.”

Planned Year 2 Activities: continue

BMP #MO-5: Inspection of Branciforte Storm Water Conveyance Channel and Trash Removal As Needed

Branciforte Creek is listed on the Section 303(d) list for impaired water bodies for sedimentation/siltation. The potential sources stated are non-point source, road construction, and silviculture. In addition, the RWQCB has adopted a TMDL for Fecal Indicator Bacteria for Branciforte Creek. The potential sources are urban runoff, septage disposal, non-point sources, and natural sources. Thus, targeting the sources of these pollutants to Branciforte Creek is a high priority.

As part of the Team Clean Program, the Wastewater Mains Division inspects and schedules as needed removal of all large trash and debris items (i.e. shopping carts, tires, etc.) in the conveyance channel from the Market Street Bridge to the Ocean Street/Dakota street Bridge prior to the onset of the rainy season.

Measurable Goals:

1. Annual inspection
2. Removal of 100% of large trash and debris items

Year 1 Summary:

1. 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. Branciforte channel is inspected weekly and large debris is removed promptly. For example, during the year, five shopping carts and one washing machine were removed.

Effectiveness: All goals met

Proposed Modifications: none

Planned Year 2 Activities: continue

BMP #MO-6: Clean Pump Stations Along the San Lorenzo River

There are five storm water pump stations located along the San Lorenzo River. These pump stations are cleaned twice per year, prior to the onset of the rainy season and during the spring. Spring cleaning of the pump stations is the most important due to debris from winter runoff/storms. Additional cleanings are also conducted during the wet season after large storm events if needed. The lines to the pump stations in the downtown and Beach Flats areas are also flushed and cleaned annually as needed each fall because these tend to carry the greatest amount of debris.

Measurable Goals:

Clean twice per year (Spring and Fall)

Additional cleanings, if needed, during wet season after large storm events

Year 1 Summary: The Fall cleaning was done early on 6/30/09 in order to clean the pump stations prior to the river shoaling and the summer diversion start up. The Spring cleaning was done on 4/30/2010. Pump Station 1B (Beach Flats) was cleaned a total of six times during the wet weather season.

Effectiveness: goal met, very effective

Proposed Modifications: none

Planned Year 2 Activities: continue

BMP #MO-7: CDS Unit Maintenance

The City has agreed to maintain a CDS unit, installed by the County of Santa Cruz, located at Soquel Avenue and Capitola Road. This CDS unit was installed to treat runoff that drains into Arana Gulch from Soquel Avenue. The CDS unit should improve the water quality of the urban runoff flowing through this site by removing gross pollutants such as cigarette butts, plastic, and other debris. During the spring season, there is constant water flow through the area since it is also fed by a spring.

Measurable Goals:

1. Clean twice per year in Fall and Spring

2. Inspect and clean, if necessary, monthly during the wet season

Year 1 Summary:

1. The Capitola Road CDS unit was inspected on November 2009. However, the spring cleaning was deferred until July 2010 due to the spring rains and resulting substantial water flow at this site.

***ADDITIONAL ACTIVITY:** A Laurel Extension CDS unit recently added. The Laurel Extension CDS unit Fall cleaning was done in Sept 2009. Spring cleaning was done April 2010. If a stoppage occurs, Wastewater Mains will clean the unit as soon as possible.

2. The Capitola Road CDS unit was inspected on November 2009. Staff was not able to achieve monthly inspections during the rainy season due to less available staff time because of the 10% work furlough in Year 1. As a result, staff focused on higher priority BMPs which have a greater impact on water quality such cleaning of the San Lorenzo River pump stations. Additionally, the old computer system could not provide monthly inspection reminders. Beginning in July 2010, Wastewater Mains staff came off of furlough and should be able to achieve goal in Year 2. In addition, monthly inspections during wet season will be programmed into the new computer system (CMMS).

Effectiveness: goals partially met

Proposed Modifications: none

Planned Year 2 Activities: continue

BMP #MO-8: Conduct Inspections of Storm Drain Lines

The City conducts TV camera inspections of the storm drain system annually on an as-needed basis. In addition, TV camera inspections may be used on a particular line when an illegal connection is suspected.

Measurable Goals:

TV or visual inspect the inside of an average of 1,000 feet of pipeline each year over a 5 year period

Year 1 Summary: TV camera inspections of the storm drain system were conducted this year with 13,732 feet pipeline video inspected. The visual inspection tapes were reviewed by Public Works Engineering.

Effectiveness: goal met

Proposed Modifications: none

Planned Year 2 Activities: continue

BMP #MO-9: Clean Sanitary Sewer Main Lines

Measurable Goals:

1. Clean all sanitary sewer main lines every 18 months.

2. A follow-up TV inspection will be done of 100% of the lines where a problem is discovered during the cleaning process.

Year 1 Summary: 165 miles of sanitary sewer pipe were cleaned between April 15, 2009-June 30, 2010. This represents over 90% of our system. All line segment cleaning and condition notes are logged in the CMMS system. 4.25 miles of sanitary sewers were televised when a problem condition or discrepancy were noted. A total of 4 spot repairs were made to sanitary sewer system based on TV reports

Effectiveness: yes/modify

Proposed Modifications: The City would like to modify this Measurable Goal because tracking every sewer line cleaning on an 18 month basis is unwieldy as budgets and scheduling are done on a fiscal year basis (as well as the SWMP report). Thus, the City is requesting that this goal be modified to read "Clean 67 % of the sanitary sewer main lines each year."

Planned Year 2 Activities: continue

BMP #MO-10: Replace or Rehabilitate Sanitary Sewer Main Lines

Measurable Goals:

Replace or rehabilitate an average of 3,000 feet of sewer main pipeline per year over the 5 year permit period.

Year 1 Summary: The City replaced or rehabilitated 10,200 feet of sewer main pipeline this year. The locations of the work were Pine Street (800'), King Street (2,900'), Laurent Street (300') and Meder Canyon (6,200').

Effectiveness: goal met/ part of 5 year average

Proposed Modifications: none

Planned Year 2 Activities: continue

BMP #MO-11: Development and Implementation of a Lateral Inspection Program

Scheduled for Years 3 & 5

Measurable Goals:

1. Outline of Program Details-Year 3
2. Implementation of Program-Year 5

Year 1 Summary: NA- Scheduled for Years 3 & 5

Effectiveness: NA

Proposed Modifications: NA

Planned Year 2 Activities: NA

BMP #MO-12: Conduct Repairs and Rehabilitation of Storm Drain Lines

Measurable Goals:

Repair or rehabilitate an average of 100 feet of pipeline per year over the 5 year permit period

Year 1 Summary: This year, 30 feet of storm drain lines were replaced or rehabilitated. The locations of the work were on Gault Street (15') and Laurel Street (15').

Effectiveness: yes/part of 5 year average

Proposed Modifications:

Planned Year 2 Activities:

BMP #MO-13: Dry Weather Diversion of Storm Water from SLR Pump Stations 1, 2, and 1A to the Wastewater Treatment Facility

Each year, the City will conduct dry weather diversion of storm water from San Lorenzo River pump stations 1, 2, and 1A to the Wastewater Treatment Facility (WWTF). Although storm water and urban runoff flows around the clock into the pump stations and is thus diverted daily from the River, the actual pump downs of water to the WWTF is done on a weekly basis. During the dry season, water is diverted to the treatment plant until the River shoals, which is typically by August 1st. Once the river shoals, the diversions are temporarily ceased in order to avoid pumping groundwater to the WWTF. Testing of the pump down water is done prior to discharge to the WWTF.

Measurable Goals:

Divert SLR pump station water to WWTF 90 days per year

Year 1 Summary: The total number of gallons diverted per pump station to the Wastewater Treatment Facility (WWTF) from May 1, 2009 to June 30, 2010 is:

San Lorenzo River Pump Station	Volume Diverted
Pump Station 1A	45,500 gallons
Pump Station 1	318,150 gallons
Pump Station 2	892,150 gallons

Diversions are not possible once the river shoals. Summer diversion stations are tested by the City Environmental Compliance Division and must meet WWTF requirements prior to discharge into the sanitary sewer in order to protect the treatment plant from toxic chemicals. All summer diversion pumps are run until the wet well is actually dry. None of the main pumps are operated during dry weather unless the river mouth closes and pumps are needed to relieve ground pressure.

Effectiveness: goal partially met

Proposed Modifications: The City requests modification of the Measurable Goal because diversions are not possible once the river shoals, which is typically by August 1st every summer. Thus, in many years, it is not possible to divert for 90 days. Since the number of diversion days

is variable dependent upon when river shoals, the City requests modifying this goal to read “Divert the SLR pump station water to the WWTF during the dry season until the SLR shoals. Provide the total number of gallons diverted for each pump station.”

Planned Year 2 Activities: continue

BMP #MO-14: After CBI Grant Project Completion, Dry Weather Diversion of Storm Water from SLR Pump Stations 1B and 3 to the Wastewater Treatment Facility

To date, the City has accomplished the storm drain lining work and the diversion pumps have been installed at Pump Stations #1b and #3. The City also installed rubber duck bill tide flex valves on storm drain gravity outlets in the San Lorenzo River as part of the diversion work. The goal is to reduce river flow back into the pump stations to eliminate unnecessary flow to the WWTF through the diversions. As with the CBI Grant #1 work above, this project should be effective at reducing the bacteria levels in the San Lorenzo River and the San Lorenzo River Lagoon, which are listed as impaired for pathogens and covered under the RWQCB adopted *TMDL for Pathogens in the San Lorenzo River Watershed Waters*.

Thus, each year, the City will conduct dry weather diversion of storm water from San Lorenzo River pump stations 1b and 3 to the Wastewater Treatment Facility (WWTF). As with the other three River pump stations mentioned above, although storm water and urban runoff flows around the clock into the pump stations and is thus diverted daily from the River, the actual pump downs of water to the WWTF is done on a weekly basis. During the dry season, water is diverted to the treatment plant until the River shoals, which is typically by August 1st. Once the river shoals, the diversions are temporarily ceased in order to avoid pumping groundwater to the WWTF. Testing of the pump down water is done prior to discharge to the WWTF.

Measurable Goals:

Divert SLR pump station water diverted to WWTF 90 days per year once project work is completed

Year 1 Summary: The total number of gallons diverted per pump station to the Wastewater Treatment Facility (WWTF) from May 1, 2009 to June 30, 2010 is:

San Lorenzo River Pump Station	Volume Diverted
Pump Station 1B	247,870 gallons
Pump Station 3	6,300 gallon

Diversions are not possible once the river shoals. Summer diversion stations are tested by the City Environmental Compliance Division and must meet WWTF requirements prior to discharge into the sanitary sewer in order to protect the treatment plant from toxic chemicals. All summer diversion pumps are run until the wet well is actually dry. None of the main pumps are operated during dry weather unless the river mouth closes and pumps are needed to relieve ground pressure.

Effectiveness: goal partially met

Proposed Modifications: The City requests modification of the Measurable Goal because diversions are not possible once the river shoals, which is typically by August 1st every summer. Thus, in many years, it is not possible to divert for 90 days. Since the number of diversion days is variable dependent upon when river shoals, the City requests modifying this goal to read “Divert the SLR pump station water to the WWTF during the dry season until the SLR shoals. Provide the total number of gallons diverted for each pump station.”

Planned Year 2 Activities: continue

BMP # 15: Conduct Cleaning at Main and Cowell Beaches

Staff manually cleans both Main and Cowell Beaches daily throughout the year. During the summer, in addition to the manual cleaning, a sand sifting machine is also used to remove and clean smaller particles. Parks and Recreation staff also conducts an annual spring cleaning at these beaches, typically in late March or April after the last big rainstorm and before the start of the tourist season and “spring break.” During this annual spring cleaning, crews spend approximately 2 weeks cleaning the beaches both by hand and using a tractor to remove the larger debris. In addition to litter left by the public, winter storms can also cause significant amounts of debris to be deposited on the beaches. Much of it comes from the debris that is flushed into the San Lorenzo River during storm events.

Measurable Goals:

1. Daily maintenance cleaning
2. Annual spring cleaning to remove debris following winter storms

Year 1 Summary:

1. Parks and Recreation staff conducts the following daily cleaning tasks at Main and Cowell beaches:

- 1) Hand picking loose trash.
- 2) Mechanically sifting sand for fine debris.
- 3) Emptying and sorting trash, recycling, and cigarette butt containers.
- 4) Storm debris collecting, sorting, hauling and disposal/recycle.
- 5) Kelp management.
- 6) Maintaining, sanitizing and stocking Beach and Cowell restrooms.
- 7) Maintaining and repairing beach vehicle and pedestrian access ramps.
- 8) Sweeping Cowell Beach parking lot and beach area walkways.
- 9) Scheduling, supervising and providing equipment for organized beach cleanups by NGOs.

2. The annual spring cleanup is typically done prior to “spring break” at the end of March and/or early April. In 2010, it was conducted between March 29 and April 9th. In 2010, approximately 150 yards of material were removed from the beach. The majority of the collected material was woody debris, but it also included trash, litter and miscellaneous objects.

Effectiveness: goals met

Proposed Modifications: none
 Planned Year 2 Activities: continue

BMP # 16: Implement Illegal Campsite Clean-Up Program In City Parks and Open Spaces

The Parks and Recreation Department manages the City’s parks and open spaces. In addition to basic litter control measures as discussed above, the Department takes additional measures to keep these areas clean and free of debris. In particular, efforts are undertaken to address the trash and debris resulting from illegal campsites that spring up in the City’s parks and open spaces. Areas that tend to have these illegal campsites include DeLaveaga Park, Pogonip Open Space and Pogonip Creek, Arana Gulch, and Moore Creek and the San Lorenzo River corridor between the Jesse Street Marsh and Paradise Park.

Parks and Recreation currently implements an Illegal Campsite Clean-Up Program in order to keep these areas clean and prevent environmental degradation resulting from illegal campsites. As part of the Illegal Campsite Clean-Up Program, Park Rangers and City Police work together to contact illegal campers and gain compliance. Rangers and Police walk through the areas that tend to have illegal campsites on an annual basis or more as needed. After the illegal campers have been evicted, Parks Crews remove the remains of the illegal campsites and any trash or debris. After the clean-up efforts, Parks crews will also take measures to restore areas that have been degraded or eroded by the illegal camping.

Measurable Goals:

Cleanup of illegal campsites at the appropriate locations on an annual basis

Year 1 Summary: During the dry season, from approximately March 1, 2009 to November 15, 2010, illegal campsite cleanups were conducted every two weeks. Approximately a one 10 yard dumpster of trash and material is removed each time. During the rainy season, cleanups are done as needed to resolve problems or health and safety issues. If areas have been degraded due to illegal campsites, restoration measures are done by the Parks and Recreation Department as needed to restore the vegetation and control erosion.

Parks and Recreation staff focuses the illegal campsite cleanup work in the following areas:

ILLEGAL CAMPSITE CLEANUP LOCATIONS	ADDITIONAL INFORMATION
San Lorenzo River (from the Tate Street intake to the River mouth)	Cleanup occurs in the river, on banks/slopes, and along the river levee
Branciforte Creek	
Arana Creek	
Specific parks & open spaces	Pogonip, Neary Lagoon, DeLaveaga Park, Arana Gulch, and Moore Creek Preserve

The City spends approximately \$40,000 per year on this program.

Effectiveness: goals met, very effective
Proposed Modifications: none
Planned Year 2 Activities: continue

BMP #MO-17: Dry Weather Diversion from Neary Lagoon to Wastewater Treatment Facility

During the dry season, the lagoon's discharge is diverted to the WWTF via a 12-inch bypass line so that this water may be treated prior to discharge into the Pacific Ocean. The bypass line runs only if the water level is high enough in the lagoon. The City may divert lagoon water to the WWTF during the "wet weather season" if the treatment plant has adequate capacity, including both hydraulic and organic loading, at that time. This is done upon occasion to maintain consistent lagoon levels, and to minimize pump operation and discharges to the beach, in addition to treating the water prior to discharge.

The dry weather diversion to the WWTF is important for the receiving water quality because during the spring and summer months the bacteria levels in Neary Lagoon tend to increase primarily due to the reduced freshwater flows into the lagoon and the presence of the many birds that utilize the lagoon. Thus, this water is diverted to the treatment plant for treatment prior to discharge to the Pacific Ocean in lieu of being discharged to Cowell Beach,

Measurable Goals:

Divert lagoon water 108 days per year

Year 1 Summary: During the permit year, Neary Lagoon water was diverted to the Wastewater Treatment Facility year round until rains forced the gravity outlet opening. The lagoon water was diverted on the following dates: from 4/15/2009 to 10/13/2009; 10/22/2009 to 12/11/2009; and 4/12/2010 to 6/30/2010. Thus, from April 15-June 30, 2009, the water was diverted approximately 75 days, and during the permit year July 1, 2009-June 30, 2010, the water was diverted approximately 260 days.

Effectiveness: goals met and exceeded.
Proposed Modifications: none
Planned Year 2 Activities: continue

BMP #MO-18: Clean Neary Lagoon Storm Drain Lines and Discharge Bacteria Laden Water to the Sanitary Sewer System

The City typically cleans these lines and discharges the water to the sewer system for several weeks each year during the Fall Season. An accounting of the pumping, including the duration and amount of water discharged to the sanitary sewer system, will be provided to the RWQCB as part of the City's storm water annual report.

Measurable Goals:

Clean storm drain lines and discharge the water to the sewer system for approximately 3 weeks each year during the Fall Season.

Year 1 Summary: This year, heavy rains beginning in October 13, 2009 forced the early opening of the 77" gravity line using the 70" force main line. The early opening of the lines was necessary in order to prevent flooding of the properties adjacent to the lagoon. This occurred before the October scheduled dewatering of the lines and thus cleaning was no longer needed. In fall 2010, the lines are scheduled to be cleaned earlier in case of another unseasonable heavy rain storm. A summary of the Neary Lagoon pumping during the rainy season, including copies of the Neary Lagoon Discharge Reporting Forms, is included in the Attachments.

Effectiveness: goal not met/NA

Proposed Modifications: none

Planned Year 2 Activities: continue

BMP # MO-19: Revise Municipal Operations BMPs If Necessary and Republish BMP Brochure

Measurable Goals:

Distribute revised BMPs to applicable City Department Supervisors

Year 1 Summary: The BMPs for Municipal Operations brochure was revised in April 2010. It was discussed at the on-site April 27, 2010 employee training class, which had a total of 76 staff attending. The BMP brochure was sent or given to all applicable supervisors in the various City departments, and it was also posted on the City's in-house "Intranet" site for easy access for the supervisors and staff. The brochure was also posted on the City website at:

<http://www.cityofsantacruz.com/Modules/ShowDocument.aspx?documentid=4490>

Effectiveness: goal met

Proposed Modifications: none

Planned Year 2 Activities: continue

BMP # MO-20- Develop A Storm Water BMP Training Piece

Not in Year 1 (scheduled for Year 3)

Measurable Goals:

Training brochure, power point presentation, or other effective method

Year 1 Summary: NA

Effectiveness: NA

Proposed Modifications: NA

Planned Year 2 Activities: NA

BMP #MO-21: Train and Educate Appropriate City Field Crews

Measurable Goals:

1. Train 100% of appropriate staff annually.
2. Train new staff within 3 months of the beginning of employment.

Year 1 Summary:

1. The City hired a consultant to give an on-site training class on storm water BMPs to the City field crews on April 27, 2010. A total of 76 City staff attended the training class. In addition to the field crews, others personnel also attended such as Water Department Engineers and two Environmental Compliance Inspectors. Field crew staff were unable to attend the training class were subsequently trained by their Supervisor. Also, some Parks and Recreation Wharf staff (temporary staff) had intermittent work schedules and thus training for these individuals was completed during the summer 2010 months.

In addition, the Refuse Collection Division had their own training class, which focused on issues specific to their work, given by the Supervisor on February 8, 2010. All 15 staff personnel were trained by the Supervisor on February 8, 2010. The main topic was: BMPs for cleaning refuse and recycling cans and containers. Refuse Collection staff cleans the owntown sidewalk containers.

Also, an on-site training class was held for Planning and Building staff on September 30, 2009. The training was done by a hired consultant and five Building Inspectors and six Planners attended the class. One Inspector was sick that day and was trained the next month by the Supervisor.

In summary, the field crew staff trained during the permit year is as follows:

Department	Field Crew Staff	Percent Trained
Public Works	33/33	100%
Parks & Rec	45/46	98%
Water	27/27	100%
TOTAL	105/106 staff	99%

The one remaining field crew staff person, who missed the April 27, 2010 training class, will be trained by the end of September 2010.

2. All new permanent employees were trained. No new permanent staff was hired in either PW or the Parks and Recreation Departments due to City work furlough and budget constraints. New staff in the Water Department were trained by the Supervisor within three months of hiring using the appropriate BMPs, SOPs, and training videos.

Effectiveness: goal partially met (99%)

Proposed Modifications: none

Planned Year 2 Activities: continue

BMP #MO-22: City-wide Watershed Issues Team Meetings to Discuss Watershed Issues Re TMDLs and Other Related Topics

The City created a Watershed Issues Team several years ago with staff from each of the various departments in order to address and discuss watershed issues such as TMDLs, local and state plan revisions, etc. This team is comprised of staff from the various departments, such as Public Works, Planning, Water, Parks and Recreations, and the City’s Manager’s office. This city-wide participation helps ensure that all departments are kept informed on relevant watershed issues and involved/coordinated in any City actions or measures.

Measurable Goals:

Meet semi-annually or more as needed

Year 1 Summary: Three meetings were held with members of the Watershed Issues Team (generally a subgroup of the team members) on the following dates: 1) May 15, 2009, 2) August 3, 2009, and 3) February 10, 2010. At the May 2009 meeting, the San Lorenzo River TMDL issues and other TMDL listings were discussed. It was attended by PW Engineering, Water Dept. and PW Environmental Compliance staff. At the August 2009 meeting, PW Engineering, Water Dept., and Planning/Building staff discussed the gray water changes to the Building Code and potential impacts on storm water and water conservation, and potential tracking or listing of these projects. At the February 2010 meeting, PW Engineering, Green Business, and Refuse Collections staff discussed the draft Santa Cruz County wide ban on single use carry out plastic and paper bags. Also discussed, was garbage dumpster maintenance at large commercial facilities with respect to storm water pollution prevention and the Green Business Program.

Effectiveness: goal met

Proposed Modifications: none

Planned Year 2 Activities: continue

BMP #MO-23: Develop Boilerplate Contract Language Requiring City Contractors to Abide by the Applicable Mandatory Storm Water BMPs

Not in Year 1 (scheduled for Year 2)

Measurable Goals:

Inclusion of boilerplate language for bid masters and/or the City contract master.

Year 1 Summary: NA

Effectiveness: NA

Proposed Modifications: NA

Planned Year 2 Activities: yes