2008-09 City of Eureka SWMP Report

This report covers activities that occurred between the following dates:

6/1/2005 to 9/15/2009

Date Report Prepared: 10/6/2009

For questions regarding this report contact:
Miles Slattery
531 K Street
Eureka, CA 95501

Stormwater Program Permit Information	
1. Permitting Authority: North Coast Regional Water Quality Control Board	
2. Permit Number: CA	**3. Permit Type:** NPDES
4. Permit Name: City of Eureka Stormwater Management Plan	
5. Date Issue: 7/1/2006	**6. Date Expire:** 6/30/2011

General Information for MS4 Operator			
1. Operator Name:	Mike Knight		
2. Operator Title:	Assistant City Manager / Operations		
3. Represented Entity:	City of Eureka		
4. Mailing Address:	531 K Street		
5. Mail City, State, Zip:	Eureka, CA 95501		
6. Phone Number:	(707) 441-4207		
7. E-Mail Address:	mknight@ci.eureka.ca.gov		
8. Co-Permitting With:	WDID # 1B03185SHUM		
9. Population: 26,128	**Households:** 7,901	**Area (sq mi):** 10	
10. Official Website:	www.eurekastormwater.com		

General Information for Primary Contact Person	
1. Name:	Miles Slattery
2. Title:	Project Manager
3. Phone Number	(707) 441-4184
4. E-Mail Address:	mslattery@ci.eureka.ca.gov

General Information for Secondary Contact Person	
1. Name:	Bruce Young
2. Title:	Deputy Public Works Director
3. Phone Number	(707) 441-4255
4. E-Mail Address:	byoung@ci.eureka.ca.gov

General Information for Receiving Waters		
Receiving Water Lists: Listed below are all the identified receiving waterbodies to which identified outfalls discharge.		
Receiving Streams (creek, stream, river, etc.)	**Receiving Waterbodies (lake, wetland, ocean, etc.)**	**Receiving Watersheds**
Elk River is listed on the 2002 Clean Water Act Section 303(d) list for sediment.	Eureka Slough, Freshwater Slough, Ryan Slough, Fay Slough, Martin Slough and Humboldt Bay [303 (d) list for PCBs and Dioxin].	Eureka Plain Hydrologic Unit

Public Education and Outreach

Details of BMPs and Work Performed for Them

Advertise the Stormwater Hotline

Responsible Party: Miles Slattery, Project Manager

Advertise the Stormwater number on all educational pamphlets, posters, and stormwater web site.

Measurable Goal: 25% compliance each fiscal year for 100% compliance by end of permit term.

Start Date: 7/1/2007 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 50 %

Work performed for the BMP listed above

Date: 6/1/2006 ***Responsible Party: Miles Slattery, Project Manager***

Stormwater Webpage

Advertised hotline on Eureka's Stormwater Division webpage

Date: 6/30/2006 ***Responsible Party: NCSWC Members, Active Members***

NCSWC Webpage

Advertised hotline on NCSWC webpage (www.humboldtstormwater.com)

Date: 8/1/2006 ***Responsible Party: Miles Slattery, Project Manager***

Business BMP Manuals

Advertised hotline on the four industry BMP manuals that are handed out to local businesses.

Date: 9/1/2006 ***Responsible Party: Miles Slattery, Project Manager***

Construction BMP Pamphlets

Advertised the hotline on the twenty-one construction BMP pamphlets handed out to local contractors.

Date: 10/31/2006 ***Responsible Party: Miles Slattery, Project Manager***

2007 Yellow Pages Recycling Guide

In the 'Recycling Guide' section of the yellow pages, advertised the stormwater hotline and webpage to report stormwater issues.

Date: 12/1/2006 ***Responsible Party: Miles Slattery, Project Manager***

Coastal Currents

Humboldt Baykeepers Fall 2006 Coastal Currents magazine published an article about the City of Eureka's Stormwater Division. The article included information about the stormwater ordinance, hotline, webpage and contact information.

Date: 1/1/2007 ***Responsible Party: Miles Slattery, Project Manager***

Stormwater Posters

Advertised the stormwater hotline on seven posters created by the City of Eureka (Pet Watse, Cigarettes, Toxics, Oil, Fertilizer, Car Wash and a 'Report It' poster)that will be distributed to local businesses, city facilities and other offices throughout the City.

Date: 2/7/2007 ***Responsible Party: Miles Slattery, Project Manager***

KHUM 104.3 Coastal Currents

Miles was a guest on Humboldt Baykeepers Coastal Currents spot at noon on KHUM, 104.3 FM. He discussed the North Coast Stormwater Coalition, the City of Eureka's stormwater program and the different ways the public can report stormwater issues (Eureka's hotline and webpage).

Date: 3/14/2007 ***Responsible Party: Miles Slattery, Project Manager***

Paving the Way for Rain Workshop

Handed out pamphletes with local stormwater hotlines printed on them at the 'Paving the Way for Rain' workshop. It was a full day workshop on permeable pavement. Morning session was an overview of permeable pavement and the four different pavement types (pervious concrete, pervious asphalt, interlocking concrete pavers and reinforced grass pavement). Afternoon session was a series of technical sessions explaining installation, cost and performance.

Date: 7/1/2007 ***Responsible Party: NCSWC Members, Active Members***

Humboldt Transit Authority Bus Ads

Paid for two ads ("Scoop the Poop" and "Hang on to Your Butts") to be displayed on Humboldt Transit Authority buses. The ads will run from July 1, 2007 through Oct. 30, 2007. The ad includes the coalition webpage address which has the City of Eureka's stormwater hotline number on it.

Date: 10/1/2007 ***Responsible Party: Miles Slattery, Project Manager***

2008 Yellow Pages Recycling Guide

In the 'Recycling Guide' section of the yellow pages, advertised the stormwater hotline and webpage to report stormwater issues.

Date: 4/15/2008 ***Responsible Party: NCSWC Members, Active Members***

KSLG 94.1 Radio Spot

Morguine Sefcik and Natalie Arroyo went on KSLG for a 15 minute interview about the Prop 50 grant they reveived on behalf of the NCSWC. They discussed the workshops we've sponsored, plugged the stormwater hotlines and the Mayday Community Clean Up event.

Date: 5/7/2008 ***Responsible Party: Miles Slattery, Project Manager***

KHUM 104.3 Coastal Currents

Miles was a guest on KHUM 104.3's Coastal Currents. Miles discussed the upcoming Mayday Community Clean Up, the North Coast Stormwater Coalition, the upcoming region wide hotline number and the City's recently approved Construction Site Erosion Control Ordinance. Audio is attached.

Date: 9/17/2008 ***Responsible Party: Miles Slattery, Project Manager***

NCSC Magnets

The Stormwater Division purchased 3,000 refrigerator magnets (attached) for distrubution at local events and workshops sponsored by the NCSC and Stormwater Division as a part of a SEP for the City.

Date: 9/23/2008 ***Responsible Party: Miles Slattery, Project Manager***

Region Wide Hotline Bus Ads

As a part of a SEP, the Stormwater Division had two ads printed (attached) and posted on two County wide buses from 9/23/08 to 3/31/09.

Date: 10/1/2008 ***Responsible Party: Miles Slattery, Project Manager***

2009 Yellow Pages Recycling Guide

In the 'Recycling Guide' section of the yellow pages, advertised the stormwater hotline and webpage to report stormwater issues.

Date: 4/1/2009 ***Responsible Party: Miles Slattery, Project Manager***

Sustainable Humboldt Ad

Times Standard had a Sustainable Humboldt insert in their newspaper in April 2009. The City of Eureka and Fortuna paid for ad space advertising the region wide hotline number. The ad is attached.

Date: 7/1/2009 ***Responsible Party: Miles Slattery, Project Manager***

'Report It' Bus Ad

As a part of a SEP for the City of Eureka, Miles created a banner (attached) for the side of a County wide bus advertising the region wide hotline number and the North Coast Stormwater Coalition. The ad will be run on the side of the bus from 7/01/09 through 6/30/10.

Community Spring Cleanup Day

Responsible Party: Miles Slattery, Project Manager

Advertise the Community Spring Cleanup Day and hold event to clean up City Parks, neighborhoods, waterfront and streams.

Measurable Goal: Cleanup Day held each year and advertised in at least three local media outlets annually.

Start Date: 7/1/2006 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 60 %

Work performed for the BMP listed above

Date: 5/19/2007 ***Responsible Party: Miles Slattery, Project Manager***

Inaugural City of Eureka Mayday Community Clean Up

In an effort to promote community enhancement and encourage awareness of stormwater issues, the City of Eureka sponsored a community clean up event along Eureka's waterfront. On Saturday, May 19th, volunteers met at Halverson Park, Eureka Boardwalk, Palco Marsh and Elk River Wildlife Sanctuary. Volunteers were provided trash bags and pickers, as well as refreshments. The event was advertised in the Eureka Reporter, Times Standard, KHUM, KSLG and channel 3 news.

All participants received a City of Eureka Mayday Community Clean Up sports bottle and t-shirt. After the clean up, a volunteer appreciation event was held on the Boardwalk with live music and a BBQ. During the volunteer appreciation event, an opportunity drawing was held for gift certificates provided by City of Eureka merchants.

The inaugural Mayday Community Clean Up enjoyed great success. Five local organizations and over 160 volunteers participated in the event to remove over 5,200 pounds of trash from Eureka's waterfront.

Date: 5/17/2008 ***Responsible Party: Miles Slattery, Project Manager***

2nd Annual Mayday Community Clean Up

In an effort to promote community enhancement and encourage awareness of stormwater issues, the City of Eureka sponsored a community clean up event along Eureka's waterfront. On Saturday, May 17th, volunteers met at Halvorson Park, Eureka Boardwalk, Palco Marsh and Elk River Wildlife Sanctuary. Volunteers were provided trash bags and pickers, as well as refreshments. The event was advertised in the Eureka Reporter, Times Standard, Northcoast Journal, KHUM, KSLG and the Point.

All participants received a City of Eureka Mayday Community Clean Up sports bottle and t-shirt. After the clean up, a volunteer appreciation event was held on the Boardwalk with live music and a BBQ. During the volunteer appreciation event, an opportunity drawing was held for gift certificates provided by City of Eureka merchants.

The 2nd Annual Mayday Community Clean Up enjoyed great success. Eight local organizations and 114 volunteers participated in the event to remove over 4,600 pounds of trash from Eureka's waterfront.

Date: 6/7/2008 ***Responsible Party: Miles Slattery, Project Manager***

Elk River Clean Up

After the Mayday Clean Up event, Elk River Wildlife Sanctuary still had a significant amount of debris and homeless encampments. Miles coordinated with the California Conservation Corps and had two - 20 yard trash bins dropped of at Elk River for a follow up clean up event. The volunteers removed an additional 7,020 pounds of trash.

Date: 5/16/2009 ***Responsible Party: Miles Slattery, Project Manager***

3rd Annual Mayday Community Clean Up

In an effort to promote community enhancement and encourage awareness of stormwater issues, the City of Eureka sponsored a community clean up event along Eureka's waterfront. On Saturday, May 16th, volunteers met at Halvorson Park, Eureka Boardwalk, Palco Marsh and Elk River Wildlife Sanctuary. Volunteers were provided trash bags and pickers, as well as refreshments. The event was advertised in the Eureka Reporter, Times Standard, Northcoast Journal, all local radio stations and local network television.

All participants received a City of Eureka Mayday Community Clean Up sports bottle and t-shirt. After the clean up, a volunteer appreciation event was held on the Boardwalk with live music and a BBQ. During the volunteer appreciation event, an opportunity drawing was held for gift certificates provided by City of Eureka merchants.

The event enjoyed its greatest success to date. Twenty local merchants donated food and/or gifts for the volunteers. Seventeen local organizations and over 230 volunteers participated in the event to remove over 7,700 pounds of trash from Eureka's waterfront.

Date: 8/7/2009 ***Responsible Party: Miles Slattery, Project Manager***

New Directions Library Clean Up

On August 7th, New Directions (John Shelter, Director and three other members) came to the site behind the County Library where homeless encampments have been a pervasive problem, spoke with some of the homeless, discussed the environmental impact their causing, provided them with alternatives and cleaned up all the debris (pictures attached). They encountered one camper that had some mental issues and was defecating at his site. Mr. Shelter gave him a shovel and two five gallon buckets to clean up his feces. At their follow up visit, the camper complied and Sewer Collection staff properly disposed of the contents. New Directions made return visits and performed the same services as the initial visit. The amount of debris and environmental issues have significantly decreased to the point of the last visit on August 18th there was only 3 gallons of trash and 3 gallons of recyclables. Their final visit will be this Friday. All trash was disposed of by the City. We provided a dumpster the first visit and removed the trash from the follow up visits.

Develop & Submit Stormwater Related PSA

Responsible Party: Miles Slattery, Project Manager

Develop and submit stormwater program related public service announcements to local radio station or newspaper.

Measurable Goal: At least 1 public service announcement submitted per year.

Start Date: 7/1/2006 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 60 %

Work performed for the BMP listed above

Date: 7/27/2006 ***Responsible Party: NCSWC Members, Active Members***

Humboldt Beacon

Press release sent out to all local area newspapers. Release was printed in the July 27th Humboldt Beacon newspaper.

Notified the public about the local stormwater ordinances and programs in the area and the establishment of stormwater hotlines. The City of Eureka's, the City of Arcata's, the City of Fortuna's and Humboldt County's hotline numbers were listed.

Date: 12/1/2006 ***Responsible Party: Miles Slattery, Project Manager***

Coastal Currents

Humboldt Baykeepers Fall 2006 Coastal Currents magazine published an article about the City of Eureka's Stormwater Division. The article included information about the stormwater ordinance, hotline, webpage and contact information.

Date: 5/12/2007 ***Responsible Party: Miles Slattery, Project Manager***

Mayday Clean Up Radio Spots

Advertised the inaugural Mayday Clean Up event on KSLG and KHUM six times per day on each radio station from 5-12-07 to 5-18-07. The ads referrenced stormwater pollution and its effects on water quality.

Date: 6/27/2007 ***Responsible Party: Miles Slattery, Project Manager***

Times Standard

Miles had an article published in the Contractor's Guide of the Wednesday edition of the Times Standard. Discussed erosion and sediment control. Promoted erosion control as 90% effective, but must be used in conjuction with sediment control (article attached).

Date: 11/26/2007 ***Responsible Party: NCSWC Members, Active Members***

Landscape Design with Stormwater in Mind

The NCSWC had a PSA announcing the free Landscape Design with Stormwater in Mind conference 4 times a day for 1 week leading uyp to the event on 12/04/07.

Date: 5/2/2008 ***Responsible Party: Miles Slattery, Project Manager***

Mayday Clean Up Radio Spot

Advertised the 2nd Annual Mayday Clean Up event on the Point, KSLG and KHUM from 5-05-08 to 5-16-08. The ads referrenced stormwater pollution and its effects on water quality.

Date: 5/7/2008 ***Responsible Party: Miles Slattery, Project Manager***

KHUM 104.3 Coastal Currents

Miles was a guest on KHUM 104.3's Coastal Currents. Miles discussed the upcoming Mayday Community Clean Up, the North Coast Stormwater Coalition, the upcoming region wide hotline number and the City's stormwater ordinance and recently approved Construction Site Erosion Control Ordinance. Audio is attached.

Date: 9/9/2008 ***Responsible Party: Miles Slattery, Project Manager***

Erosion Control PSA

The Stormwater Division worked with Lost Coast Communications to develop a PSA (attached) announcing the implementation of the erosion control ordinance that will air on KHUM, KSLG & KWPT. By purchasing 34 :60 spots (6a-7p) on each station you will receive 17 Pubic Service Announcement buy-back spots, making your total 51 spots per station, 153 total. It will play for two weeks (weekdays only) and run from 9/9-9/15 and another from 9/23-9/29, with an average of 5 spots per day.

Date: 9/15/2008 ***Responsible Party: Miles Slattery, Project Manager***

Smoke Testing on KIEM News Channel 3

Miles Slattery was interviewed about why smoke testing was being done on the storm drain system. Miles was on the 5 and 6pm news discussing the purpose of smoke testing, the City's SWMP and the City's efforts to reduce stormwater pollution.

Date: 9/24/2008 ***Responsible Party: Miles Slattery, Project Manager***

Erosion Control Ordinance Press Release

On 09/24/08, Miles submitted a press release (attached) announcing the adoption and implementation of the erosion control ordinance. He also e-mailed KIEM News Channel 3 the press release.

Date: 11/12/2008 ***Responsible Party: NCSWC Members, Active Members***

Stormwater Safe Vehicle Maintenance and Repair

The North Coast Stormwater Coaltion sponsored a workshop for Stomrwater Safe Vehicle Maintenance and Repair from 4-7pm on 11/12/08. The agenda was as follows:

4:15 - 5:15: Vehicle Service and Repair Practices
Presenter: Natalie Marcanio with Dept. of Toxic Substance Control
Topics include: Aqueous Parts Cleaning and Brake Washing, Oil Life Extension, Oil Water Separators, Fleet Management, Spill Prevention and Cleanup

5:20 - 6:15: Automotive Paint and Body Work
Presenter: Eugene Mathis with Dept. of Toxic Substance Control
Topics include: Paint Spray Gun Cleaning and Waste Minimization, HazMat Management, Sanding Waste Management, Wastewater Management, Solvent Recycling, Waterborne Coatings

6:20 - 7:00: Discussion Panel/ Q & A forum

Twenty-eight people were in attendance. Miles Slattery of the Stormwater Division was a member of the Q&A Panel and also received the training information so he could distribute it to the automobile shops within the City of Eureka. The PSA that ran for this event is attached.

Date: 4/15/2009 ***Responsible Party: Angie Wood, Storm Water Project Manager***

Times Standard Ad - Sustainable Humboldt

Regionwide hotline (877-NCSC-001) ad (attached) was posted in the April 15th 'Sustainable Humboldt' insert of the Times Standard.

Date: 4/21/2009 ***Responsible Party: Miles Slattery, Project Manager***

3rd Annual Mayday Clean Up Media

For the 3rd Annual Mayday Community Clean Up, the Stormwater Division generated three press releases, a radio spot and a commercial. The event was advertised in the Eureka Reporter, Times Standard, Northcoast Journal, all local radio stations and local network television.

The event enjoyed its greatest success to date. Twenty local merchants donated food and/or gifts for the volunteers. Seventeen local organizations and over 230 volunteers participated in the event to remove over 7,700 pounds of trash from Eureka's waterfront.

Date: 6/15/2009 ***Responsible Party: Miles Slattery, Project Manager***

Construction BMP Manual Media

Radio spot (attached) announcing the availability of three City of Eureka BMP manuals for stormwater (Regulations, Construction Site BMPs and LID). The manuals include descriptions of local and state stormwater regulations pertaining to construction, instillation and maintenance of construction site BMPs and instillation and maintenance of Low Impact Development for as builts.

The Stormwater Division paid $500 for spots on KGOE, KKHB, KRED, KATA, KFMI, KXGO and KJNY. The radio spot was also forwarded to all local stations and aired fro free. The Stormwater Division received over 100 spots from the paid stations, as well as free airtime from those and other stations the radio spot was sent to. These radio stations have an audience of over 100,000 listeners.

Develop Construction Pamphlets

Responsible Party: Miles Slattery, Project Manager

Develop a series of pamphlets describing City's new Storm Water Ordinance and BMP Manual and permitting requirements.

Measurable Goal: Pamphlets developed.

Start Date: 7/1/2007 End Date: 6/30/2008

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 9/1/2006 ***Responsible Party: Miles Slattery, Project Manager***
Construction Pamphlets
Developed 19 construction BMP pamphlets to be distributed at contractor workshops, pre-construction meetings and construction site inspections. They include information about the stormwater ordinance and the stormwater program. Each pamphlet describes a BMPs instillation, maintenance, effectiveness and limitations.

Develop Stormwater Web Site

Responsible Party: Miles Slattery, Project Manager

Measurable Goal: Increase content on web site by a minimum of 10% each year.

Start Date: 7/1/2006 End Date: 6/30/2011
Percentage of work that has been accomplished for this BMP: 60 %

Work performed for the BMP listed above

Date: 3/15/2006 ***Responsible Party: Bruce Young, Deputy Public Works Director***
Webpage
Created Storm Water Division webpage (http://www.ci.eureka.ca.gov/depts/pw/storm_water.asp).

Date: 4/1/2006 ***Responsible Party: Miles Slattery, Project Manager***
Stormwater Logo
Created Storm Water Division logo and moto, 'Finding Solutions to Storm Water Pollution'. Inserted new logo on front page of webpage.

Date: 5/1/2006 ***Responsible Party: Miles Slattery, Project Manager***
SWMP Link
Created link to the SWMP.

Date: 5/15/2006 ***Responsible Party: Miles Slattery, Project Manager***
FAQs Link
Created link to FAQs.

Date: 6/1/2006 ***Responsible Party: Bruce Young, Deputy Public Works Director***
Household BMP Links
Created 8 links to household BMPs (storm water information, storm drain pollution and you, home maintenance tips, car care, landscaping and gardening, paints and solvents, home repair and remodeling, and pest contropl tips)

Date: 6/15/2006 ***Responsible Party: Miles Slattery, Project Manager***
Stormwater Hotline Link
Created link to report storm water issues. Complaints are received directly by Miles Slattery via Public Works Trakit Software.

Date: 7/1/2006 ***Responsible Party: Miles Slattery, Project Manager***
Local Recycling Page Link
Created link to local county recycling program.

Date: 7/17/2006 ***Responsible Party: Miles Slattery, Project Manager***
Stormwater Basin and Outfall Links
Created link to a map of the City of Eureka's drainage basins and storm water outfalls.

Date: 8/1/2006 ***Responsible Party: Miles Slattery, Project Manager***
Business BMP Links
Created four links to business BMPs (restaurant and food industry, auto industry, timber product industry and gas stations).

Date: 9/15/2006 ***Responsible Party: Miles Slattery, Project Manager***
Construction BMP Links

Created three construction BMP links (erosion control, sediment control and pollution prevention).

Date: 1/2/2007 ***Responsible Party: Miles Slattery, Project Manager***
Stormwater Ordinance Link

Created link to Stormwater Management and Discharge Control Ordinance.

Date: 6/4/2007 ***Responsible Party: Miles Slattery, Project Manager***
Bought www.eurekastormwater.com Domain

Bought the www.eurekastormwater.com domain address for easier use in advertising.

Date: 6/25/2007 ***Responsible Party: Riley Topolewski, GIS Coordinator***
Interactive GIS Link

Added link to our interactive GIS webpage.

Date: 10/31/2007 ***Responsible Party: Miles Slattery, Project Manager***
Upcoming Events Link

When NCSC or City of Eureka stormwater related events are scheduled, Miles updated page to include a section for upcoming events which includes a link to agendas/posters and on-line registration forms.

Date: 6/25/2008 ***Responsible Party: Miles Slattery, Project Manager***
Erosion Control Ordinance Link

Created link to Construction Site Erosion Control Ordinance.

Date: 8/26/2008 ***Responsible Party: Miles Slattery, Project Manager***
Water Conservation Pamphlets

The Stormwater Division created a water conservation pamphlet (attached) as a part of the Urban Water Managment Plan's Demand Management Measure 7. 100 pamphlets were printed and made available at the water billing kiosk and on the 3rd floor of City Hall. The pamphlet was made available on the City's Water Conservation webpage as well as www.eurekastormwater.com.

Date: 9/11/2008 ***Responsible Party: Miles Slattery, Project Manager***
Erosion Control Permit Application

Created a link under 'Stormwater Ordinances' associated with the 'Construction Site Erosion Control Ordinance' for the Erosion Control Permit Application. Contractors now have access to it without having to come to the Building Department.

Date: 9/23/2008 ***Responsible Party: Miles Slattery, Project Manager***
Stormwater Posters Link

The updated stormwater posters (attached) were added to the webpage for community members to download and post.

Date: 9/30/2008 ***Responsible Party: Miles Slattery, Project Manager***
Annual Reports Link

Links to the City of Eureka SWMP Reports were added to the webpage, www.eurekastormwater.com.

Date: 6/1/2009 ***Responsible Party: Miles Slattery, Project Manager***
BMP Manuals

With the assistance from Winzler and Kelly, the Stormwater Division created three construction BMP manuals, the Construction Stormwater Regulations Manual, the Construction BMP Manual and the Construction LID Manual. All three of the manuals were approved and adopted by City Council on July 7, 2009.

Miles created a section on the Stormwater Division's webpage for BMP Manuals to be posted. He posted the three construction site BMP manuals on the page. When the Integrated Pesticide, Herbicide and Fertilizer Management Plan and Pollution Prevention and Good Housekeeping manuals are finalized, they will be posted as well.

Date: 6/2/2009 ***Responsible Party: Miles Slattery, Project Manager***

Water Waste Ordinance

Council adpted the amended Water Shortage Regulations ordinance. It is now called the Water Shortage and Water Waste Ordinance (attached) to comply with the IDDE MCM requiring the City to adopt a water waste ordinance preventing potable water runoff, non-recirculating car washes/laundry systems/fountains, single pass colling systems and washing of vehicles, building exteriors, sidewalks, driveways, parking areas, tennis courts, patios or other paved areas without the use of a positive shut-off nozzle on the hose. The ordinance was posted on the Stornmwater Division's webpage.

Distribute Construction Pamphlets

Responsible Party: Miles Slattery, Project Manager

Distribute pamphlets during pre-construction meetings and construction site inspections.

Measurable Goal: Pamphlets handed out to 100% of contractors at pre-development meetings and 100% of construction site inspections.

Start Date: 7/1/2008 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 33 %

Work performed for the BMP listed above

Date: 11/2/2007 ***Responsible Party: NCSWC Members, Active Members***

Construction Site Stormwater Management Workshop

The North Coast Stormwater Coaltion sponsored a workshop for construction site stormwater management. The morning session included presentations on construction site BMPs (Craig Benson, RCAA), constructing roadways and driveways (Tyler Ledwith, RCAA) and local ordinance compliance (Miles Slattery, City of Eureka). The afternoon session provided two options. There was hands on erosion and sediment control BMP instillation training or EPA certified construction site stormwater management training. During the workshop, the City of Eureka Construction Site BMP pamphlets (19 BMP pamphlets) were made available to attendees. 91 people attended the conference. 26 attended the BMP instillation training, and 54 attended the stormwater manager training.

Date: 6/10/2008 ***Responsible Party: Miles Slattery, Project Manager***

City Hall

The 19 Construction Site BMP Pamphlets were mounted at the Building Department counter where all the pre-construction meetings are held.

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2008-09 Construction Site BMP Pamphlets

The 19 Construction Site BMP Pamphlets have been mounted for distribution at the Building Department counter where all the pre-construction meetings are held.

Distribute Stormwater Educational Materials

Responsible Party: Miles Slattery, Project Manager

Distribute stormwater educational materials at appropriate activities held at the Adorni Center and other local venues.

Measurable Goal: Educational materials handed out at a minimum of one event per year over the permit term.

Start Date: 7/1/2006 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 60 %

Work performed for the BMP listed above

Date: 8/12/2006 ***Responsible Party: Miles Slattery, Project Manager***

Humboldt County Fair

Booth set up at Humboldt County Fair focusing on stormwater issues, waste reduction and recycling. Handed out informational pamphlets, posters, and children's coloring books. Provided information about local area stormwater programs as well as hotline numbers.

Date: 1/1/2007 ***Responsible Party: Miles Slattery, Project Manager***

Posters at City Facilities

Provided City of Eureka Stormwater Division stormwater flyers and 'Report It' posters for the Adorni Center, first and third floor of City Hall and the Wharfinger building. Had administrative assistants at each location take Miles' phone number to notify when flyers run out.

Date: 3/14/2007 ***Responsible Party: Miles Slattery, Project Manager***

Pavinig the Way for Rain Workshop

Handed out stormwater brochures and construction related education material at the 'Paving the Way for Rain' workshop. It was a full day workshop on permeable pavement. Morning session was an overview of permeable pavement and the four different pavement types (pervious concrete, pervious asphalt, interlocking concrete pavers and reinforced grass pavement). Afternoon session was a series of technical sessions explaining installation, cost and performance.

Date: 9/29/2007 ***Responsible Party: NCSWC Members, Active Members***

Maritime Expo

The Coalition had a booth at the Maritime Expo on Woodley Island. Attendees were asked to take part in a stormwater polllution quiz to win stormwater pollution magnets and posters provided by the Coastal Commision. The coalitions stormwater posters and other information were also avaialble at the booth. The event was held forom 10am to 4pm and approximately 300 people attended the Expo.

Date: 11/2/2007 ***Responsible Party: NCSWC Members, Active Members***

Construction Site Stormwater Management Workshop

The North Coast Stormwater Coaltion sponsored a workshop for construction site stormwater management. The morning session included presentations on construction site BMPs (Craig Benson, RCAA), constructing roadways and driveways (Tyler Ledwith, RCAA) and local ordinance compliance (Miles Slattery, City of Eureka). The afternoon session provided two options. There was hands on erosion and sediment control BMP instillation training or EPA certified construction site stormwater management training. During the workshop, the City of Eureka Construction Site BMP pamphlets (19 BMP pamphlets) were made available to attendees. 91 people attended the conference. 26 attended the BMP instillation training, and 54 attended the stormwater manager training.

Date: 12/4/2007 ***Responsible Party: NCSWC Members, Active Members***

Landcape Design with Stormwater in Mind Conference

The North Coast Stormwater Coaltion sponsored a workshop for landscape professionals and residents. The conference included presentations on local ordinance compliance (Miles Slattery, City of Eureka), the landscape/stormwater connection (Loren Oki, UC Cooperative Extension), creating a balance with IPM (Annie Joseph, OWOW), landscape features that minimize runoff (Loren Oki, UC Cooperative Extension), less toxic lawns and alternatives (Deborah Giraud, UC Cooperative Extension) and sustainable landscape (Donna Wildearth, Wildearth Designs). During the workshop,local nurseries, landscape supply companies and the NCSWC handed out stormwater friendly BMP material and educational material. 72 people attended the conference.

Date: 9/23/2008 ***Responsible Party: Miles Slattery, Project Manager***

Stormwater Posters Link

The updated stormwater posters (attached) were added to the webpage for community members to download and post.

Date: 9/23/2008 ***Responsible Party: Miles Slattery, Project Manager***

Region Wide Hotline Bus Ads

As a part of a SEP, the Stormwater Division had two ads printed (attached) and posted on two County wide buses from 9/23/08 to 3/31/09.

Date: 9/27/2008 ***Responsible Party: NCSWC Members, Active Members***

2008 Maritime Expo

The Coalition had a booth at the Maritime Expo on Woodley Island. Attendees were asked to take part in a stormwater polllution quiz to win Region Wide Stormwater Hotline magnets and posters provided by the Coalition. The Coalitions stormwater posters and other information were also avaialble at the booth, including a 'Stomrwater Runoff: Ican make a difference' pamphlet provided by the Stormwater Division. The event was held from 10am to 4pm.

Date: 10/1/2008 ***Responsible Party: Miles Slattery, Project Manager***

Region Wide Hotline Magnets

Region Wide Hotline number refrigerator magnets were made available at the water billing kiosk at City Hall and at the Wharfinger Building.

Date: 11/12/2008 ***Responsible Party: NCSWC Members, Active Members***

Stormwater Safe Vehicle Maintenance and Repair

The North Coast Stormwater Coaltion sponsored a workshop for Stomrwater Safe Vehicle Maintenance and Repair from 4-7pm on 11/12/08. The agenda was as follows:

4:15 - 5:15: Vehicle Service and Repair Practices
Presenter: Natalie Marcanio with Dept. of Toxic Substance Control
Topics include: Aqueous Parts Cleaning and Brake Washing, Oil Life Extension, Oil Water Separators, Fleet Management, Spill Prevention and Cleanup

5:20 - 6:15: Automotive Paint and Body Work
Presenter: Eugene Mathis with Dept. of Toxic Substance Control
Topics include: Paint Spray Gun Cleaning and Waste Minimization, HazMat Management, Sanding Waste Management, Wastewater Management, Solvent Recycling, Waterborne Coatings

6:20 - 7:00: Discussion Panel/ Q & A forum

Twenty-eight people were in attendance. Miles Slattery of the Stormwater Division was a member of the Q&A Panel and also received the training information so he could distribute it to the auomobile shops within the City of Eureka. A DVD and information package of all the information presented was distributed at the end of the workshop.

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2008-09 Educational Materials

During this permit year, the City's stormwater flyer has been at the front desk of the water billing office, the Public Works office and the Wharfinger Building. The Water Conservation Pamphlet has been displayed at the water billing office. All of the stormwater posters have been available on-line and at the Public Works office. The region wide hotline magnets are available at all the County's MS4's stormwater offices.

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2008-09 Construction Site BMP Pamphlets

The 19 Construction Site BMP Pamphlets have been mounted for distribution at the Building Department counter where all the pre-construction meetings are held.

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2008-09 NCSC Meetings

Miles is the Chairperson for the North Coast Stormwater Coalition. He coordinates and hosts all of the meetings. The Coalition meets once a month and discusses ways to reduce stormwater pollution in local streams, rivers, Humboldt Bay and the ocean through public education and outreach, coordinating pollution prevention efforts and implementing pollution control measures. The Coalition consists of all four Phase II municipalitiesin the area, local businesses, non-profits and residents. This year Mendicino County Water Authority and the City of Fort Bragg became members and participate vie teleconference in the meetings. There are now 57 members representing 28 different organizations throughout the area.

Educational Materials to Industrial & Commercial Businesses

Responsible Party: Miles Slattery, Project Manager

Coordinate with the City's Pre-Treatment Coordinator, County CUPA Program, and County Used Oil Program Coordinator to ensure that all industrial and applicable commercial businesses within the City receive stormwater educational materials at least once du

Start Date: 7/1/2006 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 60 %

Work performed for the BMP listed above

Date: 8/14/2006 ***Responsible Party: Miles Slattery, Project Manager***

Pretreatment Program

Miles gave Justin Boyes, City of Eureka Pretreatment Coordinator, BMP manuals for Automobile, Restaurant, Gas Station and Timber industries. Justin said he would distribute them to the commercial and industrial businesses he inspects.

Date: 5/1/2008 ***Responsible Party: NCSWC Members, Active Members***

Cigarette Butt Receptacles

Throught the Prop 50 Grant RCAA obtained on behalf of the City of Eureka Stormwater Division, 4 cigarette butt receptacles to be mounted within City limits. ONe was mounted at the Eureka Municipal Auditorium, City of Eureka Corporation Yard, College of the Redwoods Extension and Frederick and Charles Beauty College (pictures attached).

Date: 6/30/2008 ***Responsible Party: Miles Slattery, Project Manager***

Source Control Program

Justin Boyes, City of Source Control Supervisor, maintains an inventory of BMP manuals for Automobile, Restaurant, Gas Station and Timber industries. He distributes them to the commercial and industrial businesses he inspects.

Date: 7/22/2008 ***Responsible Party: Miles Slattery, Project Manager***

Humboldt County Environmental Health

Miles gave Vicki Lore, Environmental Health Specialist, BMP manuals for Automobile, Restaurant, Gas Station and Timber industries. Vicki said she would distribute them to the restaraunt and automobile businesses she inspects that have stormwater issues. She said she would give the Gas Station and Timber manuals to the HAZMAT inspectors to hand out for their inspections.

Date: 11/12/2008 ***Responsible Party: NCSWC Members, Active Members***

Stormwater Safe Vehicle Maintenance and Repair

The North Coast Stormwater Coaltion sponsored a workshop for Stomrwater Safe Vehicle Maintenance and Repair from 4-7pm on 11/12/08. The agenda was as follows:

4:15 - 5:15: Vehicle Service and Repair Practices
Presenter: Natalie Marcanio with Dept. of Toxic Substance Control
Topics include: Aqueous Parts Cleaning and Brake Washing, Oil Life Extension, Oil Water Separators, Fleet Management, Spill Prevention and Cleanup

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Presenter: Eugene Mathis with Dept. of Toxic Substance Control
Topics include: Paint Spray Gun Cleaning and Waste Minimization, HazMat Management, Sanding Waste Management, Wastewater Management, Solvent Recycling, Waterborne Coatings

6:20 - 7:00: Discussion Panel/ Q & A forum

Twenty-eight people were in attendance. Miles Slattery of the Stormwater Division was a member of the Q&A Panel and also received the training information so he could distribute it to the auomobile shops within the City of Eureka. A DVD and information package of all the information presented was distributed at the end of the workshop

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2008-09 Source Control Inspections

Miles provides Justin Boyes, Source Control Supervisor, BMP manuals for Automobile, Restaurant, Gas Station and Timber industries. Justin said he would distribute them to the commercial and industrial businesses he inspects.

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2008-09 Construction Site BMP Pamphlets

The 19 Construction Site BMP Pamphlets have been mounted for distribution at the Building Department counter where all the pre-construction meetings are held.

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2008-09 NCSC Meetings

Miles is the Chairperson for the North Coast Stormwater Coalition. He coordinates and hosts all of the meetings. The Coalition meets once a month and discusses ways to reduce stormwater pollution in local streams, rivers, Humboldt Bay and the ocean through public education and outreach, coordinating pollution prevention efforts and implementing pollution control measures. The Coalition consists of all four Phase II municipalitiesin the area, local businesses, non-profits and residents. This year Mendicino County Water Authority and the City of Fort Bragg became members and participate vie teleconference in the meetings. There are now 57 members representing 28 different organizations throughout the area.

Establish Stormwater Hotline

Responsible Party: Miles Slattery, Project Manager

Measurable Goal: Dedicated phone number established for use as storm water hotline

Start Date: 7/1/2006 End Date: 6/30/2007

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 5/15/2006 ***Responsible Party: Miles Slattery, Project Manager***

Stormwater Hotline

Established storm water hotline - 707.441.4192. Answered by Susan Hutchison and Pearl Mendoza, Public Works Administrative Assistants.

Date: 8/27/2008 ***Responsible Party: Miles Slattery, Project Manager***

Region Wide Hotline Number

As a part of a SEP, the City of Eureka has established a region wide hotline number for all the MS4s in Humboldt County (1.877.NCSC.001). The number will has a call navigator system that prompts callers to direct the call to the appropriate MS4's hotline.

Date: 9/17/2008 ***Responsible Party: Miles Slattery, Project Manager***

NCSC Magnets

The Stormwater Division purchased 3,000 refrigerator magnets (attached) for distrubution at local events and workshops sponsored by the NCSC and Stormwater Division as a part of a SEP for the City.

Identify Staff to Implement Reaches to Beaches

Responsible Party: Miles Slattery, Project Manager

Measurable Goal: Training staff and schools identified for program participation.

Start Date: 7/1/2007 End Date: 6/30/2008

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 12/15/2006 ***Responsible Party: Miles Slattery, Project Manager***

Spring 2007 Reaches to Beaches

Contacted Denise Newman, author of Reaches to Beaches program. She agreed to teach the class to Robert Childs college-oriented Environmental Field Biology Class at Eureka High School starting in mid-January 2007.

Date: 6/22/2007 ***Responsible Party: Miles Slattery, Project Manager***

Spring 2008 Reaches to Beaches

Denise Newman can no longer teach the Reaches to Beaches class. Miles contacted Christina Ernst, Humboldt Baykeeper Education Coordinator. She said she is willing to work with the City of Eureka in gaining approval of the curriculum as meeting the state standards for 8th grade and high school. The City and Baykeeper will try and coordinate more classes in local middle schools and high schools. She will also work with Robert Child's class, Eureka High School, in the 2007-2008 school year.

Date: 9/12/2008 ***Responsible Party: Miles Slattery, Project Manager***

Fall 2008 Reaches to Beaches

Christina Ernst, Humboldt Baykeeper Education Coordinator, will be teaching Reaches to Beaches to all three of Marianne Lancaster's Eureka High School Marine Biology classes (juniors and seniors) during the Fall 2008 semester.

The curriculum was updated to meet California standards and be more appropriate for high school juniors and seniors by Christina Ernst. The class is a ten week class discussing watershed and stormwater related issues. Miles taught two classes discussing Eureka's stormwater program and water quality monitoring. The first class gave an overview of Eureka's program and an introduction to monitoriing. The second class involved sampling in the stream adjacent to the high school. The City of Eureka a pH, conductivity and temperature meters for them to use in the field. The City also provided a spectrophotometer for the class to help the students analyze for nitrate and ammonia.

Implement Reaches to Beaches at Local Schools

Responsible Party: Miles Slattery, Project Manager

Measurable Goal: Program implemented in at least one school per year, with goal of providing program to each interested school within five years.

Start Date: 7/1/2007 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 50 %

Work performed for the BMP listed above

Date: 1/19/2007 ***Responsible Party: Miles Slattery, Project Manager***

Spring 2007 Reaches to Beaches

Contacted Denise Newman, author of Reaches to Beaches program. She agreed to teach the class to Robert Childs college-oriented Environmental Field Biology Class at Eureka High School starting on January 19, 2007.

The class is a ten week class discussing watershed and stormwater related issues. Miles was involved with some monitoring efforts in the adjacent stream to the high school. Provided pH, conductivity and dissolved oxygen meter for them to use in the field. He also brought a spectrophotometer to class to help the students analyze for nitrite, nitrate and ammonia.

After the class, the students participated in a stewardship action plan consisting of storm drain marking.

Date: 2/7/2008 ***Responsible Party: Christina Ernst, Education Coordinator***

Spring 2008 Reaches to Beaches

Christina agreed to teach the class to both of Marianne Lancaster's Marine Biology Classes (juniors and seniors) at Eureka High School starting on February 7, 2008.

The curriculum was updated to meet California standards and be more appropriate for high school juniors and seniors by Christina Ernst. The class is a ten week class discussing watershed and stormwater related issues. Miles taught two classes discussing Eureka's stormwater program and water quality monitoring. The first class gave an overview of Eureka's program and an introduction to monitoriing. The second class involved sampling in the stream adjacent to the high school. The City of Eureka and Humboldt Baykeeper provided pH, conductivity and temperature meters for them to use in the field. The City also provided a spectrophotometer for the class to help the students analyze for nitrate and ammonia.

At the end of the class, the students participated in a stewardship action plan consisting of characterizing the stream at Cooper Gulch after a creek enhancement project done by the City of Eureka and the Department of Fish and Game and storm drain marking in the Cooper Gulch neighborhood.

Date: 9/23/2008 ***Responsible Party: Miles Slattery, Project Manager***

Fall 2008 Reaches to Beaches

Christina agreed to teach the class to all three of Marianne Lancaster's Marine Biology Classes (juniors and seniors) at Eureka High School starting on September 23rd, 2008.

The curriculum was updated to meet California standards and be more appropriate for high school juniors and seniors by Christina Ernst. The class is a ten week class discussing watershed and stormwater related issues. Miles taught two classes to all three classrooms discussing Eureka's stormwater program and water quality monitoring. The first class, November 4th, gave an overview of Eureka's program and an introduction to monitoring. The second class, November 18th, involved sampling in the stream adjacent to the high school. The City of Eureka provided a pH, conductivity and temperature meter for them to use in the field. The City also provided a spectrophotometer for the class to help the students analyze for nitrate and ammonia.

For the final class on 12/02/08, all three classrooms went on a field trip separately to Cooper Gulch Creek. Miles and Scott Bauer, Department of Fish and Game, discussed the creek enhancements the City of Eureka did for the adjacent skate park and went through a stream characteristic exercise to determine the health of the creek. The negative effects of development and stormwater runoff were discussed at length.

Christina did a follow up review of the material and administered a final test on the curriculum. Each of the students has a graduation requirement of performing volunteer work. Christina informed them about stream enhancement opportunities through Fish and Game as well as Eureka's Mayday Community Clean Up. Many of the students showed interest in both opportunities.

Date: 4/8/2009 ***Responsible Party: Christina Ernst, Education Coordinator***

Spring 2009 Reaches to Beaches

In order to promote stormwater and water conservation education, the City of Eureka's Stormwater Division contracts with Christina Ernst to research, develop, coordinate, and present two classroom presentations at Washington Elementary School. These presentations will be included as a larger program to be offered to Eureka City School's fourth and fifth grade classes and teachers in the future. Initial research into the appropriate audience grade levels in relation to California State Content Standards and corresponding lesson options are also included.

Presentation of stormwater pollution lesson, April 8, 2009 to Heather Gaiera's fifth grade class at Washington Elementary School.

Pet Waste Kiosks

Responsible Party: Miles Slattery, Project Manager

Identify appropriate locations and install pet waste kiosks with signage and bag dispenser at appropriate parks and other public recreational areas within the City encouraging the public to pick up after their pet.

Measurable Goal: Install at least 5

Start Date: 7/1/2006 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 60 %

Work performed for the BMP listed above

Date: 6/22/2007 ***Responsible Party: Miles Slattery, Project Manager***

Halverson Park

Installed a pet waste kiosk at Halverson Park. The dispenser has signage encouraging citizens to clean up after their pet.

Date: 8/1/2007 ***Responsible Party: Tom Coyle, Parks and Maintenance Manager***

Lunbar Hills

Installed a pet waste kiosk at Lunbar Hills Park. A trash can was also installed and will be e mptied periodically by City Parks Staff. The dispenser has signage encouraging citizens to clean up after their pet.

Poster Distribution

Responsible Party: Miles Slattery, Project Manager

Distribute posters to school, city agencies, and general public.

Measurable Goal: 100% of school and government participation tracked

Start Date: 7/1/2007 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 50 %

Work performed for the BMP listed above

Date: 2/1/2006 ***Responsible Party: Louise Jeffrey, Environmental Health Coordinator***

Eureka Businesses

Todd Harper from the County distrubuted posters to various automobile repair, hardware and paint businesses throughout Eureka.

Date: 8/12/2006 ***Responsible Party: Miles Slattery, Project Manager***

Humboldt County Fair

Booth set up at Humboldt County Fair focusing on storm water issues, waste reduction and recycling. Handed out informational pamphlets, posters, and children's coloring books. Provided information about local area storm water programs as well as hotline numbers.

Date: 12/5/2006 ***Responsible Party: Miles Slattery, Project Manager***

Local Business

Miles gave Barbera Schultz (707.441.1503), animal advocate and downtown business owner, 50 'Scoop the Poop' posters. She distributed them to local waterfront businesses and posted one in her deli.

Date: 1/1/2007 ***Responsible Party: Miles Slattery, Project Manager***

City Facilities

Provided City of Eureka Stormwater Division 'Report It' posters for the Adorni Center, first and third floor of City Hall and the Wharfinger building.

Date: 3/19/2007 ***Responsible Party: Miles Slattery, Project Manager***

Local Resident

Handed out six copies of the six stormwater posters and the report it poster to Michelle Hasiuk in the City's Finance Department to be posted around her neighborhood businesses.

Date: 8/6/2007 ***Responsible Party: Miles Slattery, Project Manager***
Eureka High School

During a meeting concerning Reaches to Beaches, Miles Slattery gave Robert Childs laminated coalition posters (6) and a 'Report It' poster.

Date: 2/12/2008 ***Responsible Party: Miles Slattery, Project Manager***
Eureka High School

At a meeting to discuss Reaches to Beaches, Miles gave Christina Ernst, Humboldt Baykeeper Education Coordinator, stormwater education posters (6) and a 'Report It' poster to be posted in Marianne Lancaster's biology class at Eureka High.

Date: 2/12/2008 ***Responsible Party: Miles Slattery, Project Manager***
Sequoia Park Zoo

During a staff meeting, Miles Slattery gave Gretchen Ziegler, Zoo Manager, laminated stormwater education posters (6) and a 'Report It' poster to be posted on the message board at the zoo.

Date: 4/21/2008 ***Responsible Party: Miles Slattery, Project Manager***
Washington Elementary

On 4/21/08, Miles responded to a stormwater complaint at Washington Elementary School about dog walkers not cleaning up after themselves. Miles spoke with Sue Costa, receptionist, and gave her some laminated 'Scoop the Poop' posters to post around the fields. She said she would need to get the OK from the district, and then she would post them.

Date: 8/14/2008 ***Responsible Party: Miles Slattery, Project Manager***
Elk River Wastewater Treatment Plant

Miles Slattery gave Clay Yerby, Utilities Operations Manager, update (new web address) laminated stormwater education posters (6) and a 'Report It' poster to be posted around the plant and in the break room.

Date: 8/15/2008 ***Responsible Party: Miles Slattery, Project Manager***
Humboldt Baykeeper

Provided updated (new web address) City of Eureka Stormwater Division 'Report It' poster to the Humboldt Baykeeper Office (217 E Street).

Date: 8/15/2008 ***Responsible Party: Miles Slattery, Project Manager***
City Facilities

Provided updated (new web address) City of Eureka Stormwater Division 'Report It' posters for the Adorni Center, third floor of City Hall and the Wharfinger building.

Date: 9/23/2008 ***Responsible Party: Miles Slattery, Project Manager***
Stormwater Posters Link

The updated stormwater posters (attached) were added to the webpage for community members to download and post.

Date: 4/8/2009 ***Responsible Party: Miles Slattery, Project Manager***
Washington Elementary

At a meeting to discuss Reaches to Beaches, Miles gave Christina Ernst, Humboldt Baykeeper Education Coordinator, stormwater education posters (6) and a 'Report It' poster to be posted in Heather Gaiera's fifth grade class at Washington Elementary

Date: 9/9/2009 ***Responsible Party: Miles Slattery, Project Manager***
Eureka High School

At a meeting to discuss Reaches to Beaches, Miles gave Christina Ernst, Humboldt Baykeeper Education Coordinator, stormwater education posters (6) and a 'Report It' poster to be posted in Lucia Boyer's biology class at Eureka High.

Posters

Responsible Party: NCSWC Members, Active Members

Finalize six posters educating public on storm water impacts of pet wastes, leaking oil, hazardous waste disposal, car washing, cigarette butts, and fertilizers and pesticides.

Measurable Goal: Existing stormwater pollution prevention workplans identif

Start Date: 7/1/2006 End Date: 6/30/2007

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 1/1/2006 ***Responsible Party: NCSWC Members, Active Members***

Stormwater Posters

Six posters were finalized (attached) relating to pet waste, car washing, toxics, fertilizer, oil and cigarette butts.

Date: 1/1/2007 ***Responsible Party: Miles Slattery, Project Manager***

Revised Posters

Miles revised the six stormwater posters to include City of Eureka information (hotline number, webpage and revised wording) and created a new 'Report It' poster (all attached).

Date: 9/23/2008 ***Responsible Party: Miles Slattery, Project Manager***

Stormwater Posters Link

The updated stormwater posters (attached) were added to the webpage for community members to download and post.

Provide Free Educational Materials

Responsible Party: Miles Slattery, Project Manager

Provide free educational materials at City Hall.

Measurable Goal: Stormwater educational materials available at City Hall 100% of the time.

Start Date: 7/1/2007 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 50 %

Work performed for the BMP listed above

Date: 1/1/2007 ***Responsible Party: Miles Slattery, Project Manager***

City Facilities

Provided City of Eureka Stormwater Division stormwater flyers and 'Report It' posters for the Adorni Center, first and third floor of City Hall and the Wharfinger building. Had administrative assistants at each location take Miles' phone number to notify when flyers run out.

Date: 3/14/2007 ***Responsible Party: Miles Slattery, Project Manager***

Paving the Way for Rain Workshop

Handed out stormwater brochures and construction related education material at the 'Paving the Way for Rain' workshop. It was a full day workshop on permeable pavement. Morning session was an overview of permeable pavement and the four different pavement types (pervious concrete, pervious asphalt, interlocking concrete pavers and reinforced grass pavement). Afternoon session was a series of technical sessions explaining installation, cost and performance.

Date: 9/29/2007 ***Responsible Party: NCSWC Members, Active Members***

Maritime Expo

The Coalition had a booth at the Maritime Expo on Woodley Island. Attendees were asked to take part in a stormwater polllution quiz to win stormwater pollution magnets and posters provided by the Coastal Commision. The coalitions stormwater posters and other information were also avaialble at the booth. The event was held forom 10am to 4pm and approximately 300 people attended the Expo.

Date: 11/2/2007 ***Responsible Party: NCSWC Members, Active Members***

Construction Site Stormwater Management Workshop

The North Coast Stormwater Coaltion sponsored a workshop for construction site stormwater management. The morning session included presentations on construction site BMPs (Craig Benson, RCAA), constructing roadways and driveways (Tyler Ledwith, RCAA) and local ordinance compliance (Miles Slattery, City of Eureka). The afternoon session provided two options. There was hands on erosion and sediment control BMP instillation training or EPA certified construction site stormwater management training. During the workshop, the City of Eureka Construction Site BMP pamphlets (19 BMP pamphlets) were made available to attendees. 91 people attended the conference. 26 attended the BMP instillation training, and 54 attended the stormwater manager training.

Date: 12/4/2007 ***Responsible Party: NCSWC Members, Active Members***

Landscape Design with Stormwater in Mind

The North Coast Stormwater Coaltion sponsored a workshop for landscape professionals and residents. The conference included presentations on local ordinance compliance (Miles Slattery, City of Eureka), the landscape/stormwater connection (Loren Oki, UC Cooperative Extension), creating a balance with IPM (Annie Joseph, OWOW), landscape features that minimize runoff (Loren Oki, UC Cooperative Extension), less toxic lawns and alternatives (Deborah Giraud, UC Cooperative Extension) and sustainable landscape (Donna Wildearth, Wildearth Designs). During the workshop,local nurseries, landscape supply companies and the NCSWC handed out stormwater friendly BMP material and educational material. 72 people attended the conference.

Date: 6/10/2008 ***Responsible Party: Miles Slattery, Project Manager***

City Hall

The 19 Construction Site BMP Pamphlets were mounted at the Building Department counter where all the pre-construction meetings are held.

Date: 11/12/2008 ***Responsible Party: NCSWC Members, Active Members***

Stormwater Safe Vehicle Maintenance and Repair

The North Coast Stormwater Coaltion sponsored a workshop for Stomrwater Safe Vehicle Maintenance and Repair from 4-7pm on 11/12/08. The agenda was as follows:

4:15 - 5:15: Vehicle Service and Repair Practices
Presenter: Natalie Marcanio with Dept. of Toxic Substance Control
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5:20 - 6:15: Automotive Paint and Body Work
Presenter: Eugene Mathis with Dept. of Toxic Substance Control
Topics include: Paint Spray Gun Cleaning and Waste Minimization, HazMat Management, Sanding Waste Management, Wastewater Management, Solvent Recycling, Waterborne Coatings

6:20 - 7:00: Discussion Panel/ Q & A forum

Twenty-eight people were in attendance. Miles Slattery of the Stormwater Division was a member of the Q&A Panel and also received the training information so he could distribute it to the auomobile shops within the City of Eureka. A DVD and information package of all the information presented was distributed at the end of the workshop. Miles received copies of this information and has it available at his office in City Hall.

Date: 1/1/2009 ***Responsible Party: Gary Bird, Special Projects Manager***

Mandatory Garbage-Recycling Program

On June 3, 2008, the Eureka City Council adopted a Universal Garbage and Recycling collection ordinance. The ordinance was adopted by the City to help us meet State waste reduction mandates, and to reduce illegal disposal and public health hazards currently plaguing our neighborhoods. The program went into effect on January 1, 2009.

Included in the mandatory service is a twice a year bulky item pick-up for all residents. This includes e-waste, furniture, appliances, etc. This will reduce illegal dumping in the City and decrease potential stormwater pollution sources.

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2008-09 Educational Materials

During this permit year, the City's stormwater flyer has been at the front desk of the water billing office, the Public Works office and the Wharfinger Building. The Water Conservation Pamphlet has been displayed at the water billing office. All of the stormwater posters have been available on-line and at the Public Works office. The region wide hotline magnets are available at all the County's MS4's stormwater offices.

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2008-09 Construction Site BMP Pamphlets

The 19 Construction Site BMP Pamphlets have been mounted for distribution at the Building Department counter where all the pre-construction meetings are held.

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2008-09 NCSC Meetings

Miles is the Chairperson for the North Coast Stormwater Coalition. He coordinates and hosts all of the meetings. The Coalition meets once a month and discusses ways to reduce stormwater pollution in local streams, rivers, Humboldt Bay and the ocean through public education and outreach, coordinating pollution prevention efforts and implementing pollution control measures. The Coalition consists of all four Phase II municipalitiesin the area, local businesses, non-profits and residents. This year Mendicino County Water Authority and the City of Fort Bragg became members and participate vie teleconference in the meetings. There are now 57 members representing 28 different organizations throughout the area.

Storm Drain Design Standards

Responsible Party: Miles Slattery, Project Manager

Amend storm drain design standards to require developers to install cast iron embossed covers with a no dumping message on all new storm drains

Measurable Goal: 100% compliance

Start Date: 7/1/2007 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 50 %

Work performed for the BMP listed above

Date: 1/4/2008 ***Responsible Party: Miles Slattery, Project Manager***

Amended Engineering Standards

Miles worked with Brian Stringer, Hilfiker Pipes (local precast manufacturer for DIs), to develop an embossed, stainless steel "No Dumping" sign (picture attached) that will be placed in all pre-casted DIs for the area. Miles also worked with Kurt Gierlich, City of Eureka Assistant City Engineer, to update Engineering's design standards to include the "No Dumping" design specifications.

Date: 8/11/2008 ***Responsible Party: Kurt Gierlich, City Engineer***

Engineering Standards

The City Engineer position was just filled. Kurt Gierlich is the new City Engineer. The draft version of the updated engineering standards for 2008 have the embossed, stainless steel "No Dumping" placards (picture attached) as a standard for new DIs.

On 08/11/08, Miles met with Kurt. Kurt stated that the engineering standards have been a work in progress for the past 10 years. He is in the proces of finishing up the 'Drainage Inlet' standard and has incoporated the "No Dumping" placards, or approved equivalent, into the standards. Kurt said the standards will be enforced at the beginning of September '08.

Storm Drain Marking Events

Responsible Party: Miles Slattery, Project Manager

Coordinate with County Used Oil Program, Reaches to Beaches students, and City Pre-Treatment Coordinator on storm drain stenciling opportunities

Measurable Goal: 100% of storm drains stenciled by end of permit term

Start Date: 7/1/2006 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 60 %

Work performed for the BMP listed above

Date: 5/18/2007 ***Responsible Party: Denise Newman, Teacher***

2007 Reaches to Beaches

For the stewardship action plan of the Reaches to Beaches program, the students chose to mark storm drains around the Eastwood neighborhood by the high school. The students marked 9 storm drains.

Date: 3/4/2008 ***Responsible Party: Miles Slattery, Project Manager***

Keep California Beautiful

In conjunction with Caltrans, the local Boy's and Girl's Club and the City of Eureka, Miles took Boys and Girls Club members out to mark six storm drains in their neighborhood with 'No Dumping' placards. Over 40 volunteers were present to clean up litter and mark storm drains.

Date: 4/3/2008 ***Responsible Party: Miles Slattery, Project Manager***

2008 Reaches to Beaches

At the end of Reaches to Beaches with two of Marianne Lancaster's Marine Biology classes, the students participated in a stewardship action plan consisting of characterizing the stream at Cooper Gulch after a creek enhancement project done by the City of Eureka, and followed with storm drain marking in the Cooper Gulch neighborhood (pictures attached). Scott Bauer, Department of Fish and Game, spoke to the two classes about developments effect on streams like Cooper Gulch and waht the enhancement project will do to counteract those effects.

Date: 6/7/2008 ***Responsible Party: Marianne Lancaster, Biology Teacher***

Reaches to Beaches Stewardship Action Plan

At the end of Reaches to Beaches, a group of students participated in a stewardship action plan consisting of storm drain marking around town (pictures attached). Students marked the folowing locations:

Harris and P
Buhne and Q
Buhne and P
18th and Montecito Way
Myrtle and Park
Lafayette School on Park Street
Myrtle and McFarlan
6th and L
Hodgeson and O
Excelsior and Layman
Excelsior and Gage
Cedar Street
Liberty Bell
Buhne and O
Hall and Myrtle
Harrison and 23rd
2600 Hall Street
2742 Myrtle
2127 Harrison
Harrison and Munson

Date: 5/11/2009 ***Responsible Party: Miles Slattery, Project Manager***

Forever Friends Storm Drain Stenciling

Forever Friends is a local group of volunteers. Dana Schatz, Director, met with Miles on May 11, 2009 to discuss storm drain marking throughout the City. Dana was interested in a long term project. Miles told her that the majority of the City has been marked, but there isn't an accurate inventory of all the DIs and those that have been marked. Dana agreed have her volunteers mark the unmarked DIs and keep an inventory of them on mapbooks, as well as notify Miles of DIs that aren't in the City's inventory by marking up map books.

Miles worked with Riley Topolewski to create map books with all the DI's mapped in the City. Miles forwarded 6 copies of the mapbooks, provided all the supplies for marking and trained the volunteers on how to mark the drains and keep the inventory. Forever Friends will be canvasing the City and marking all of the unmarked DIs and keeping track of all of the mrked DIs in the mapbooks. The project began on July 1st, 2009 and will be ongoing until all the DIs have been marked and inventoried.

Survey Schools for Reaches to Beaches

Responsible Party: City of Eureka

Survey all schools in City for interest in participation in program.

Measurable Goal: 100% of schools contacted and response on interest obtained

Start Date: 7/1/2006 End Date: 6/30/2007

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 4/11/2006 ***Responsible Party: Miles Slattery, Project Manager***

Spring 2007 Eureka High School Biology Class

E-mailed Robert Childs of Eureka City Schools about Reaches to Beaches Program. Forwarded him the educational material I received from RCAA, Morguine Flynn-Sousa. He said he is interested and to get a hold of him during the fall semester.

Date: 12/12/2007 ***Responsible Party: Miles Slattery, Project Manager***

Spring 2008 Eureka High School Marine Biology Class

Christina Ernst, Humboldt Baykeeper's Education Coordinator, and Miles Slattery met with Marianne Lancaster to discuss implementing Reaches to Beaches in both of her Marine Biology Classes at Eureka High School. Marianne expressed interest and the class began, 02/07/08.

Date: 9/12/2008 ***Responsible Party: Miles Slattery, Project Manager***

Fall 2008 Eureka High School Marine Biology Class

Christina Ernst, Humboldt Baykeeper's Education Coordinator, met with Marianne Lancaster to discuss implementing Reaches to Beaches in three of her Marine Biology Classes at Eureka High School. Marianne expressed interest and the class begins, 09/23/08.

On 09/12/08, Miles met with Christina to update the Reaches to Beaches Journal. Miles had the journals printed and gave them to Christina on 09/22/08.

Date: 10/2/2008 ***Responsible Party: Miles Slattery, Project Manager***

City of Eureka Elementary Schools

The Stormwater Division has been trying to implement stormwater and water conservation curriculum at the elementary school level. Miles Slattery has been working with Bob Munther, Eureka City Schools Assistant Superintendent, to set up a meeting with the principals of the schools.

On 10/02/08, Miles and Christina Ernst met with the principals and presented information about the Reaches to Beaches and water conservation curriculum the City would like to implement at the 4th and 5th grade levels. The principals were interested, but felt the teachers would need to be involved. Christina said that would not be a problem. Miles will follow up.

Date: 4/8/2009 ***Responsible Party: Christina Ernst, Education Coordinator***

Spring 2009 Reaches to Beaches

In order to promote stormwater and water conservation education, the City of Eureka's Stormwater Division contracts with Christina Ernst to research, develop, coordinate, and present two classroom presentations at Washington Elementary School. These presentations will be included as a larger program to be offered to Eureka City School's fourth and fifth grade classes and teachers in the future. Initial research into the appropriate audience grade levels in relation to California State Content Standards and corresponding lesson options are also included in this invoice.

Presentation of stormwater pollution lesson, April 8, 2009 to Heather Gaiera's fifth grade class at Washington Elementary School.

Date: 9/1/2009 ***Responsible Party: Miles Slattery, Project Manager***

Fall 2009 Reaches to Beaches

Christina agreed to teach the class to two of Lucia Boyer's Marine Biology Classes (juniors and seniors) at Eureka High School starting on September 17, 2009. Marianne Lancaster (the previous teacher referred us).

The curriculum was updated to meet California standards and be more appropriate for high school juniors and seniors by Christina Ernst. The class is a ten week class discussing watershed and stormwater related issues. Miles will be teaching two classes to the classrooms discussing Eureka's stormwater program and water quality monitoring.

Date: 9/15/2009 ***Responsible Party: Miles Slattery, Project Manager***

City of Eureka Elementary Schools

The Stormwater Division has been trying to implement stormwater and water conservation curriculum at the elementary school level. Miles Slattery submitted a letter to Richard Lentz, Eureka City Schools new Assistant Superintendent of Educational Services, to inquire about implementing stormwater (Reaches to Beaches) and water conservation curriculum at the fifth grade level. Included in the letter was a brief description of the curricula and four invitation letters addressed to the four principals of the local elementary schools.

Tracking Mechanism for Stormwater Hotline

Responsible Party: Miles Slattery, Project Manager

Establish tracking mechanism for use by Hotline Operator to track complaint and action taken.

Measurable Goal: Tracking mechanism in place.

Start Date: 7/1/2006 End Date: 6/30/2007

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 5/15/2006 ***Responsible Party: Miles Slattery, Project Manager***

ASIST Database

Hotline operator, Susan Hutchison and Pearl Mendoza, enters stormwater hotline complaint into the already existing Public Works' Trackit software as a stormwater issue. All stormwater issues in Trackit are forwarded to Miles Slattery, Project Manager Stormwater Division, via Trackit. Miles documents the complaint and action taken into the ASIST database. All hotline complaints are then reported using ASIST.

Public Involvement and Participation

Details of BMPs and Work Performed for Them

Community Spring Cleanup Day

Responsible Party: Miles Slattery, Project Manager

Advertise the Community Spring Cleanup Day and hold event to clean up City Parks, neighborhoods, waterfront and streams.

Measurable Goal: Cleanup Day held each year and advertised in at least three local media outlets annually.

Start Date: 7/1/2006 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 60 %

Work performed for the BMP listed above

Date: 5/19/2007 ***Responsible Party: Miles Slattery, Project Manager***

City of Eureka Mayday Community Clean Up

In an effort to promote community enhancement and encourage awareness of stormwater issues, the City of Eureka sponsored a community clean up event along Eureka's waterfront. On Saturday, May 19th, volunteers met at Halverson Park, Eureka Boardwalk, Palco Marsh and Elk River Wildlife Sanctuary. Volunteers were provided trash bags and pickers, as well as refreshments. The event was advertised in the Eureka Reporter, Times Standard, KHUM, KSLG and channel 3 news.

All participants received a City of Eureka Mayday Community Clean Up sports bottle and t-shirt. After the clean up, a volunteer appreciation event was held on the Boardwalk with live music and a BBQ. During the volunteer appreciation event, an opportunity drawing was held for gift certificates provided by City of Eureka merchants.

The inaugural Mayday Community Clean Up enjoyed great success. Five local organizations and over 160 volunteers participated in the event to remove over 5,200 pounds of trash from Eureka's waterfront.

Date: 5/17/2008 ***Responsible Party: Miles Slattery, Project Manager***

2nd Annual Mayday Community Clean Up

In an effort to promote community enhancement and encourage awareness of stormwater issues, the City of Eureka sponsored a community clean up event along Eureka's waterfront. On Saturday, May 17th, volunteers met at Halvorson Park, Eureka Boardwalk, Palco Marsh and Elk River Wildlife Sanctuary. Volunteers were provided trash bags and pickers, as well as refreshments. The event was advertised in the Eureka Reporter, Times Standard, Northcoast Journal, KHUM, KSLG and the Point.

All participants received a City of Eureka Mayday Community Clean Up sports bottle and t-shirt. After the clean up, a volunteer appreciation event was held on the Boardwalk with live music and a BBQ. During the volunteer appreciation event, an opportunity drawing was held for gift certificates provided by City of Eureka merchants.

The 2nd Annual Mayday Community Clean Up enjoyed great success. Eight local organizations and 114 volunteers participated in the event to remove over 4,600 pounds of trash from Eureka's waterfront.

Date: 6/7/2008 ***Responsible Party: Miles Slattery, Project Manager***

Elk River Clean Up

After the Mayday Clean Up event, Elk River Wildlife Sanctuary still had a significant amount of debris and homeless encampments. Miles coordinated with the California Conservation Corps and had two - 20 yard trash bins dropped of at Elk River for a follow up clean up event. The volunteers removed an additional 7,020 pounds of trash.

Date: 5/16/2009 ***Responsible Party: Miles Slattery, Project Manager***

3rd Annual Mayday Community Clean Up

In an effort to promote community enhancement and encourage awareness of stormwater issues, the City of Eureka sponsored a community clean up event along Eureka's waterfront. On Saturday, May 16th, volunteers met at Halvorson Park, Eureka Boardwalk, Palco Marsh and Elk River Wildlife Sanctuary. Volunteers were provided trash bags and pickers, as well as refreshments. The event was advertised in the Eureka Reporter, Times Standard, Northcoast Journal, all local radio stations and local network television.

All participants received a City of Eureka Mayday Community Clean Up sports bottle and t-shirt. After the clean up, a volunteer appreciation event was held on the Boardwalk with live music and a BBQ. During the volunteer appreciation event, an opportunity drawing was held for gift certificates provided by City of Eureka merchants.

The event enjoyed its greatest success to date. Twenty local merchants donated food and/or gifts for the volunteers. Seventeen local organizations and over 230 volunteers participated in the event to remove over 7,700 pounds of trash from Eureka's waterfront.

Date: 8/7/2009 ***Responsible Party: Miles Slattery, Project Manager***

New Directions Library Clean Up

On August 7th, New Directions (John Shelter, Director and three other members) came to the site behind the County Library where homeless encampments have been a pervasive problem, spoke with some of the homeless, discussed the environmental impact their causing, provided them with alternatives and cleaned up all the debris (pictures attached). They encountered one camper that had some mental issues and was defecating at his site. Mr. Shelter gave him a shovel and two five gallon buckets to clean up his feces. At their follow up visit, the camper complied and Sewer Collection staff properly disposed of the contents. New Directions made return visits and performed the same services as the initial visit. The amount of debris and environmental issues have significantly decreased to the point of the last visit on August 18th there was only 3 gallons of trash and 3 gallons of recyclables. Their final visit will be this Friday. All trash was disposed of by the City. We provided a dumpster the first visit and removed the trash from the follow up visits.

Coordinate Humboldt Bay First Flush Study

Responsible Party: Miles Slattery, Project Manager

Coordinate with Humboldt Baykeeper and RCAA to advertise First Flush Study and seek volunteers.

Measurable Goal: Run at least five advertisements in local media each summer seeking volunteers.

Start Date: 7/1/2006 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 60 %

Work performed for the BMP listed above

Date: 9/4/2006 ***Responsible Party: Miles Slattery, Project Manager***

First Flush Coordination 2006

Coordinated with Jennifer Kalt, Humboldt Baykeeper, to perform first flush sampling. Miles developed a sampling manual and forwarded it to Jennifer. She distributed the information to the volunteers. Volunteers have been briefed and are awaiting the first significant rainfall.

Date: 9/17/2007 ***Responsible Party: Jennifer Kalt, Water Quality Coordinator***

First Flush Coordination 2007

Coordinated with Jennifer Kalt, Humboldt Baykeeper, to perform first flush sampling. Miles is going to analyze the samples fro Nitrate as NO3, Total Phosphorus as P and COD. Volunteers have been trained during the Dry Weather Event (09/15/07) and are awaiting the first significant rainfall.

Date: 9/19/2008 ***Responsible Party: Jennifer Kalt, Water Quality Coordinator***

First Flush Coordination 2008

Coordinated with Jennifer Kalt, Humboldt Baykeeper, to perform first flush sampling. Miles is going to analyze the samples fro Nitrate as NO3, Total Phosphorus as P and COD. Volunteers have been trained during the Dry Weather Event (09/15/08) and are awaiting the first significant rainfall.

Date: 9/11/2009 ***Responsible Party: Jennifer Kalt, Water Quality Coordinator***

First Flush Coordination 2009

Coordinated with Jennifer Kalt, Humboldt Baykeeper, to perform first flush sampling. Miles is going to analyze the samples fro Nitrate as NO3, Total Phosphorus as P and COD. Volunteers have been trained during the Dry Weather Event (09/26/09) and are awaiting the first significant rainfall.

Evaluate First Flush Results

Responsible Party: Miles Slattery, Project Manager

Evaluate the first flush sampling results to develop future SWMP policy, including outreach BMPs as appropriate.

Measurable Goals:As needed, educational outreach BMPs developed to specifically address pollutants identified in the first flush sampling.

Start Date: 7/1/2008 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 50 %

Work performed for the BMP listed above

Date: 5/26/2008 ***Responsible Party: Miles Slattery, Project Manager***

2005-07 First Flush Data Review

Miles Slattery reviewed the First Flush, Coastwide Snapshot and Dry Weather data from 2005-07. Over the three years of data, 6 different locations (McFarlan Creek / Second Slough, Palco Marsh, Clark Slough, Campton Road and Fern Drive / Martin Slough, Target outfall and Elk River Slough) have been sampled within the City of Eureka limits. Clark Slough (balloon track) was sampled in '05 and '06, but not in '07. Target outfall was not sampled in '05. Elk River Slough was not sampled in '05 and '06.

The data showed that coliform and nutrient levels infrequently were above EPA benchmarks. The copper result from the '05 dry weather monitoring at Clark Slough was above the EPA benchmark.

To address the coliform levels, the Stormwater Division has installed pet waste kiosks at Halverson Park and Lunbar Hills and distributed pet waste posters to Washington Elementary, Barbera Schulz (pet advocate and local business owner), Eureka High School and City facilities. The Stormwater Division will also implement a smoke testing plan by the end of the June '08.

To address the nutrient levels, the NCSWC has contacted local area fundraising car washes at Victoria Place and made sure they limit the amount of soap they use and use biodegradable soap. We've also looked into having commercial car washes host fundraising events, to no avail. Miles is working with Jane Dice, Coastal Care Center (Victoria Place landlord), to install a filter in the parking lot DI to supplement their oil and water seperator with funding from the Prop 50 grant RCAA obtained. The Stormwater Division has stopped fundraising washes at inappropriate locations like the Shell Gas Station on Myrtle (see 'Citizen Call' module) and responds to complaints of washes at inappropriate locations. The Stormwater Division has also distributed 'Soap is for Dishes not for Fishes!' stormwater posters to Eureka High School and City facilities.

Miles also spoke with Jennifer Kalt, Humboldt Baykeeper Water Quality Coordinator, to see if she saw any data that would suggest that additional outreach is needed. She agreed with Miles and felt

Date: 4/8/2009 ***Responsible Party: Miles Slattery, Project Manager***

2nd Quarter 2009 TSS Sampling

The Stormwater Division reviewed the First Flush results from years prior. There were no unusual and persistent exceedances of benchmarks for almost all of the constituents. However, Eureka's receiving waters are liste as impaired for sediment. The Stormwater Division and Humboldt Baykeeper decided to take a proavtive approach to sedimentation and began quarterly sampling for TSS in areas where development may have an impact on the waterway.

On April 8, 2009, TSS sampling was performed along Cooper Gulch and Martin Slough, two areas where development may be causing an impact on stream sedimentation. Sampling was performed along a stretch of each stream in an effort to identify areas where sediment discharges are occuring. None of the results exceeded the EPA's benchmark for TSS in ambient waters (100 mg/L). Results are attached. The Stormwater Division and Humboldt Baykeeper will continue to perform quarterly TSS sampling of local Eureka waterways and try to pinpoint areas of concern so effective BMPs can be implemented.

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2008-09 First Flush Data Review

The Stormwater Division reviewed the First Flush results from 2008. There were no unusual and persistent exceedances of benchmarks for almost all of the constituents. However, Eureka's receiving waters are liste as impaired for sediment. The Stormwater Division and Humboldt Baykeeper decided to take a proavtive approach to sedimentation and began quarterly sampling for TSS in areas where development may have an impact on the waterway.

Identify and Train First Flush Volunteers

Responsible Party: Miles Slattery, Project Manager

Identify and train at least 20 volunteers to perform first flush sampling.

Measurable Goal: Train at least 20 volunteers to perform First Flush sampling.

Start Date: 7/1/2006 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 60 %

Work performed for the BMP listed above

Date: 9/15/2006 ***Responsible Party: Jennifer Kalt, Water Quality Coordinator***

First Flush 2006 Volunteers

Jennifer Kalt, Humboldt Baykeeper, coordinated with 23 volunteers through radio PSAs, sign-up sheets at the booth at Paddlefest and similar events, interview on the KHSU Homepage show, KHUM's weekly Coastal Currents, and blurbs in the NEC's Econews and trained them for the First Flush 2006 sampling.

Date: 9/15/2007 ***Responsible Party: Jennifer Kalt, Water Quality Coordinator***

First Flush 2007 Volunteers

Jennifer Kalt, Humboldt Baykeeper, coordinated with 24 volunteers total (8 for Eureka sites) through radio PSAs, sign-up sheets at the booth at Paddlefest and similar events, interview on the KHSU Homepage show, KHUM's weekly Coastal Currents, and blurbs in the NEC's Econews and trained them for the First Flush 2007 sampling.

Date: 9/1/2008 ***Responsible Party: Jennifer Kalt, Water Quality Coordinator***

First Flush 2008 Volunteers

Jennifer Kalt, Humboldt Baykeeper, solicited approximately 24 volunteers and will train them during a dry weather monitoring event on 9/15/08.

Date: 9/11/2009 ***Responsible Party: Jennifer Kalt, Water Quality Coordinator***

First Flush 2009 Volunteers

Jennifer Kalt, Humboldt Baykeeper, solicited approximately 24 volunteers and will train them during a dry weather monitoring event on 9/26/09.

Identify Staff to Implement Reaches to Beaches

Responsible Party: Miles Slattery, Project Manager

Measurable Goal: Training staff and schools identified for program participation.

Start Date: 7/1/2007 End Date: 6/30/2008

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 12/15/2006 ***Responsible Party: Miles Slattery, Project Manager***

Spring 2007 Reaches to Beaches

Contacted Denise Newman, author of Reaches to Beaches program. She agreed to teach the class to Robert Childs college-oriented Environmental Field Biology Class at Eureka High School starting in mid-January 2007.

Date: 6/22/2007 ***Responsible Party: Miles Slattery, Project Manager***

Spring 2008 Reaches to Beaches

Denise Newman can no longer teach the Reaches to Beaches class. Miles contacted Christina Ernst, Humboldt Baykeeper Education Coordinator. She said she is willing to work with the City of Eureka in gaining approval of the curriculum as meeting the state standards for 8th grade and high school. The City and Baykeeper will try and coordinate more classes in local middle schools and high schools. She will also work with Robert Child's class, Eureka High School, in the 2007-2008 school year.

Date: 9/23/2008 ***Responsible Party: Miles Slattery, Project Manager***

Fall 2008 Reaches to Beaches

Christina Ernst, Humboldt Baykeeper Education Coordinator, will be teaching Reaches to Beaches to all three of Marianne Lancaster's Eureka High School Marine Biology classes (juniors and seniors) during the Fall 2008 semester.

The curriculum was updated to meet California standards and be more appropriate for high school juniors and seniors by Christina Ernst. The class is a ten week class discussing watershed and stormwater related issues. Miles taught two classes discussing Eureka's stormwater program and water quality monitoring. The first class gave an overview of Eureka's program and an introduction to monitoriing. The second class involved sampling in the stream adjacent to the high school. The City of Eureka a pH, conductivity and temperature meters for them to use in the field. The City also provided a spectrophotometer for the class to help the students analyze for nitrate and ammonia.

Date: 4/8/2009 ***Responsible Party: Christina Ernst, Education Coordinator***

Spring 2009 Reaches to Beaches

In order to promote stormwater and water conservation education, the City of Eureka's Stormwater Division contracts with Christina Ernst to research, develop, coordinate, and present two classroom presentations at Washington Elementary School. These presentations will be included as a larger program to be offered to Eureka City School's fourth and fifth grade classes and teachers in the future. Initial research into the appropriate audience grade levels in relation to California State Content Standards and corresponding lesson options are also included in this invoice.

Presentation of stormwater pollution lesson, April 8, 2009 to Heather Gaiera's fifth grade class at Washington Elementary School.

Date: 9/1/2009 ***Responsible Party: Miles Slattery, Project Manager***

Fall 2009 Reaches to Beaches

Christina agreed to teach the class to two of Lucia Boyer's Marine Biology Classes (juniors and seniors) at Eureka High School starting on September 17, 2009. Marianne Lancaster (the previous teacher referred us).

The curriculum was updated to meet California standards and be more appropriate for high school juniors and seniors by Christina Ernst. The class is a ten week class discussing watershed and stormwater related issues. Miles will be teaching two classes to the classrooms discussing Eureka's stormwater program and water quality monitoring.

Implement Reaches to Beaches at Local Schools

Responsible Party: Miles Slattery, Project Manager

Measurable Goal: Program implemented in at least one school per year, with goal of providing program to each interested school within five years.

Start Date: 7/1/2007 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 50 %

Work performed for the BMP listed above

Date: 1/12/2007 ***Responsible Party: Denise Newman, Teacher***

Spring 2007 Reaches to Beaches

Miles coordinated with Denise Newman, author of Reaches to Beaches program, and Robert Childs, Eureka High School teacher, to have the curriculum taught to his field biology class. The class will be taught for 10 weeks starting 01/12/07 and include the stewardship program which may involve storm drain stenciling.

Date: 2/7/2008 ***Responsible Party: Christina Ernst, Education Coordinator***

Spring 2008 Reaches to Beaches

Christina Ernst, Humboldt Baykeeper Education Coordinator, agreed to teach the class to both of Marianne Lancaster's Marine Biology Classes (juniors and seniors) at Eureka High School starting on February 7, 2008.

The curriculum was updated to meet California standards and be more appropriate for high school juniors and seniors by Christina Ernst. The class is a ten week class discussing watershed and stormwater related issues. Miles taught two classes discussing Eureka's stormwater program and water quality monitoring. The first class gave an overview of Eureka's program and an introduction to monitoriing. The second class involved sampling in the stream adjacent to the high school. The City of Eureka and Humboldt Baykeeper provided pH, conductivity and temperature meters for them to use in the field. The City also provided a spectrophotometer for the class to help the students analyze for nitrate and ammonia.

At the end of the class, the students participated in a stewardship action plan consisting of characterizing the stream at Cooper Gulch after a creek enhancement project done by the City of Eureka and the Department of Fish and Game and storm drain marking in the Cooper Gulch neighborhood.

Date: 9/23/2008 ***Responsible Party: Miles Slattery, Project Manager***

Fall 2008 Reaches to Beaches

Christina agreed to teach the class to all three of Marianne Lancaster's Marine Biology Classes (juniors and seniors) at Eureka High School starting on September 23rd, 2008.

The curriculum was updated to meet California standards and be more appropriate for high school juniors and seniors by Christina Ernst. The class is a ten week class discussing watershed and stormwater related issues. Miles taught two classes to all three classrooms discussing Eureka's stormwater program and water quality monitoring. The first class, November 4th, gave an overview of Eureka's program and an introduction to monitoring. The second class, November 18th, involved sampling in the stream adjacent to the high school. The City of Eureka provided a pH, conductivity and temperature meter for them to use in the field. The City also provided a spectrophotometer for the class to help the students analyze for nitrate and ammonia.

For the final class on 12/02/08, all three classrooms went on a field trip separately to Cooper Gulch Creek. Miles and Scott Bauer, Department of Fish and Game, discussed the creek enhancements the City of Eureka did for the adjacent skate park and went through a stream characteristic exercise to determine the health of the creek. The negative effects of development and stormwater runoff were discussed at length.

Christina did a follow up review of the material and administered a final test on the curriculum. Each of the students has a graduation requirement of performing volunteer work. Christina informed them about stream enhancement opportunities through Fish and Game as well as Eureka's Mayday Community Clean Up. Many of the students showed interest in both opportunities.

Date: 4/8/2009 ***Responsible Party: Christina Ernst, Education Coordinator***

Spring 2009 Reaches to Beaches

In order to promote stormwater and water conservation education, the City of Eureka's Stormwater Division contracts with Christina Ernst to research, develop, coordinate, and present two classroom presentations at Washington Elementary School. These presentations will be included as a larger program to be offered to Eureka City School's fourth and fifth grade classes and teachers in the future. Initial research into the appropriate audience grade levels in relation to California State Content Standards and corresponding lesson options are also included in this invoice.

Presentation of stormwater pollution lesson, April 8, 2009 to Heather Gaiera's fifth grade class at Washington Elementary School.

Perform Humboldt Bay First Flush Sampling

Responsible Party: Miles Slattery, Project Manager

Perform First Flush Sampling Annually.

Measurable Goal: Perform First Flush sampling each year at a minimum of five sampling locations within the City.

Start Date: 7/1/2006 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 60 %

Work performed for the BMP listed above

Date: 11/3/2006 ***Responsible Party: Jennifer Kalt, Water Quality Coordinator***

First Flush 2006 Event

Jennifer Kalt, Water Quality Coordinator for Humboldt Baykeeper, coordinates the training and performance of dry weather and first flush montoring in Eureka and around Humboldt County.

A dry weather event was performed on 09/30/06 as a training run for the 23 volunteers. On 11/03/06, sampling occured for First Flush 2006. Within the City of Eureka limits, McFarlan Creek, Palco Marsh, Clark Slough, Martin Slough (Campton and Fern), Target stormwater outfall and Swain Slough were sampled for, fecal coliform, nitrate (as N), orthophosphate, copper, zinc, lead, hardness, temperature, pH and conductivity. Results are under 'Linked Documents'.

Date: 10/10/2007 ***Responsible Party: Miles Slattery, Project Manager***

First Flush 2007 Event

Jennifer Kalt, Water Quality Coordinator for Humboldt Baykeeper, coordinates the training and performance of dry weather and first flush montoring in Eureka and around Humboldt County.

A dry weather event was performed on 09/15/07 as a training run for the 24 volunteers(8 for Eureka sites). On 10/10/07, sampling occured for First Flush 2007. Within the City of Eureka limits, McFarlan Creek, Palco Marsh, Martin Slough (Campton and Fern), Target stormwater outfall, Elk River and Elk River near 101 were sampled for, fecal coliform, nitrate (as N), orthophosphate, copper, zinc, lead, hardness, temperature, pH and conductivity. Results are under 'Linked Documents'.

Date: 6/1/2008 ***Responsible Party: Miles Slattery, Project Manager***

Coastal Currents Spring '08

Miles was featured in the Humboldt Baykeeper Currnets magazine article (attached) about Humboldt Baykeeper's 2007 First Flush sampling for assisting with analyses for the event.

The article described the purpose of first flush sampling and discussed the results.

Date: 10/4/2008 ***Responsible Party: Miles Slattery, Project Manager***

First Flush 2008 Event

Jennifer Kalt, Water Quality Coordinator for Humboldt Baykeeper, coordinates the training and performance of dry weather and first flush montoring in Eureka and around Humboldt County.

A dry weather event was performed on 09/13/08 as a training run for the 24 volunteers (8 for Eureka sites). On 10/04/08, sampling occured for First Flush 2008. Within the City of Eureka limits, McFarlan Creek, Palco Marsh, Martin Slough (Campton and Fern), Target stormwater outfall, Elk River and Elk River near 101 were sampled for, fecal coliform, nitrate (as N), orthophosphate, copper, zinc, lead, hardness, temperature, pH and conductivity. During the dry weather monitoring, Miles analyzed for samples for ammonia, nitrate and COD. Results are under 'Linked Documents'.

Date: 4/8/2009 ***Responsible Party: Miles Slattery, Project Manager***

2nd Quarter 2009 TSS Sampling

The Stormwater Division reviewed the First Flush results from years prior. There were no unusual and persistent exceedances of benchmarks for almost all of the constituents. However, Eureka's receiving waters are liste as impaired for sediment. The Stormwater Division and Humboldt Baykeeper decided to take a proavtive approach to sedimentation and began quarterly sampling for TSS in areas where development may have an impact on the waterway.

On April 8, 2009, TSS sampling was performed along Cooper Gulch and Martin Slough, two areas where development may be causing an impact on stream sedimentation. Sampling was performed along a stretch of each stream in an effort to identify areas where sediment discharges are occuring. None of the results exceeded the EPA's benchmark for TSS in ambient waters (100 mg/L). Results are attached. The Stormwater Division and Humboldt Baykeeper will continue to perform quarterly TSS sampling of local Eureka waterways and try to pinpoint areas of concern so effective BMPs can be implemented.

Storm Drain Marking Event

Responsible Party: Miles Slattery, Project Manager

Hold at least one storm drain marking event with the public each year

Measurable Goal: 100% compliance

Start Date: 7/1/2007 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 50 %

Work performed for the BMP listed above

Date: 5/18/2007 ***Responsible Party: Denise Newman, Teacher***

2007 Reaches to Beaches

For the stewardship action plan of the Reaches to Beaches program, the students chose to mark storm drains around the Eastwood neighborhood by the high school. The students marked 9 storm drains.

Date: 3/4/2008 ***Responsible Party: Miles Slattery, Project Manager***

Keep California Beautiful

In conjunction with Caltrans, the local Boy's and Girl's Club and the City of Eureka, Miles took Boys and Girls Club members out to mark six storm drains in their neighborhood with 'No Dumping' placards. Over 40 volunteers were present to clean up litter and mark storm drains.

Date: 4/3/2008 ***Responsible Party: Miles Slattery, Project Manager***

2008 Reaches to Beaches

At the end of Reaches to Beaches with two of Marianne Lancaster's Marine Biology classes, the students participated in a stewardship action plan consisting of characterizing the stream at Cooper Gulch after a creek enhancement project done by the City of Eureka, and followed with storm drain marking in the Cooper Gulch neighborhood (pictures attached). Scott Bauer, Department of Fish and Game, spoke to the two classes about developments effect on streams like Cooper Gulch and waht the enhancement project will do to counteract those effects.

Date: 6/7/2008 ***Responsible Party: Marianne Lancaster, Biology Teacher***

Reaches to Beaches Stewardship Action Plan

At the end of Reaches to Beaches, a group of students participated in a stewardship action plan consisting of storm drain marking around town (pictures attached). Students marked the folowing locations:

Harris and P
Buhne and Q
Buhne and P
18th and Montecito Way
Myrtle and Park
Lafayette School on Park Street
Myrtle and McFarlan
6th and L
Hodgeson and O
Excelsior and Layman
Excelsior and Gage
Cedar Street
Liberty Bell
Buhne and O
Hall and Myrtle
Harrison and 23rd
2600 Hall Street
2742 Myrtle
2127 Harrison
Harrison and Munson

Date: 5/11/2009 ***Responsible Party: Miles Slattery, Project Manager***

Forever Friends Storm Drain Stenciling

Forever Friends is a local group of volunteers. Dana Schatz, Director, met with Miles on May 11, 2009 to discuss storm drain marking throughout the City. Dana was interested in a long term project. Miles told her that the majority of the City has been marked, but there isn't an accurate inventory of all the DIs and those that have been marked. Dana agreed have her volunteers mark the unmarked DIs and keep an inventory of them on mapbooks, as well as notify Miles of DIs that aren't in the City's inventory by marking up map books.

Miles worked with Riley Topolewski to create map books with all the DI's mapped in the City. Miles forwarded 6 copies of the mapbooks, provided all the supplies for marking and trained the volunteers on how to mark the drains and keep the inventory. Forever Friends will be canvasing the City and marking all of the unmarked DIs and keeping track of all of the mrked DIs in the mapbooks. The project began on July 1st, 2009 and will be ongoing until all the DIs have been marked and inventoried.

Storm Drain Stenciling

Responsible Party: Miles Slattery, Project Manager

Coordinate with County Used Oil Program, Reaches to Beaches students, and City Pre-Treatment Coordinator on storm drain stenciling opportunities

Measurable Goal: 100% of storm drains stenciled by end of permit term

Start Date: 7/1/2006 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 60 %

Work performed for the BMP listed above

Date: 5/18/2007 ***Responsible Party: Denise Newman, Teacher***

2007 Reaches to Beaches

For the stewardship action plan of the Reaches to Beaches program, the students chose to mark storm drains around the Eastwood neighborhood by the high school. The students marked 9 storm drains.

Date: 3/4/2008 ***Responsible Party: Miles Slattery, Project Manager***

Keep California Beautiful

In conjunction with Caltrans, the local Boy's and Girl's Club and the City of Eureka, Miles took Boys and Girls Club members out to mark six storm drains in their neighborhood with 'No Dumping' placards. Over 40 volunteers were present to clean up litter and mark storm drains.

Date: 4/3/2008 ***Responsible Party: Miles Slattery, Project Manager***

2008 Reaches to Beaches

At the end of Reaches to Beaches with two of Marianne Lancaster's Marine Biology classes, the students participated in a stewardship action plan consisting of characterizing the stream at Cooper Gulch after a creek enhancement project done by the City of Eureka, and followed with storm drain marking in the Cooper Gulch neighborhood (pictures attached). Scott Bauer, Department of Fish and Game, spoke to the two classes about developments effect on streams like Cooper Gulch and waht the enhancement project will do to counteract those effects.

Date: 6/7/2008 ***Responsible Party: Marianne Lancaster, Biology Teacher***

Reaches to Beaches Stewardship Action Plan

At the end of Reaches to Beaches, a group of students participated in a stewardship action plan consisting of storm drain marking around town (pictures attached). Students marked the folowing locations:

Harris and P
Buhne and Q
Buhne and P
18th and Montecito Way
Myrtle and Park
Lafayette School on Park Street
Myrtle and McFarlan
6th and L
Hodgeson and O
Excelsior and Layman
Excelsior and Gage
Cedar Street
Liberty Bell
Buhne and O
Hall and Myrtle
Harrison and 23rd
2600 Hall Street
2742 Myrtle
2127 Harrison
Harrison and Munson

Date: 5/11/2009 ***Responsible Party: Miles Slattery, Project Manager***

Forever Friends Storm Drain Stenciling

Forever Friends is a local group of volunteers. Dana Schatz, Director, met with Miles on May 11, 2009 to discuss storm drain marking throughout the City. Dana was interested in a long term project. Miles told her that the majority of the City has been marked, but there isn't an accurate inventory of all the DIs and those that have been marked. Dana agreed have her volunteers mark the unmarked DIs and keep an inventory of them on mapbooks, as well as notify Miles of DIs that aren't in the City's inventory by marking up map books.

Miles worked with Riley Topolewski to create map books with all the DI's mapped in the City. Miles forwarded 6 copies of the mapbooks, provided all the supplies for marking and trained the volunteers on how to mark the drains and keep the inventory. Forever Friends will be canvasing the City and marking all of the unmarked DIs and keeping track of all of the mrked DIs in the mapbooks. The project began on July 1st, 2009 and will be ongoing until all the DIs have been marked and inventoried.

Survey Schools for Reaches to Beaches

Responsible Party: Miles Slattery, Project Manager

Survey all schools in City for interest in participation in program.

Measurable Goal: 100% of schools contacted and response on interest obtained

Start Date: 7/1/2006 End Date: 6/30/2008

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 4/11/2006 ***Responsible Party: Miles Slattery, Project Manager***

Spring 2007 Eureka High School Biology Class

E-mailed Robert Childs of Eureka City Schools about Reaches to Beaches Program. Forwarded him the educational material I received from RCAA, Morguine Flynn-Sousa. He said he is interested and to get a hold of him during the fall semester.

Date: 12/12/2007 ***Responsible Party: Miles Slattery, Project Manager***

Spring 2008 Eureka High School Marine Biology Class

Christina Ernst, Humboldt Baykeeper's Education Coordinator, and Miles Slattery met with Marianne Lancaster to discuss implementing Reaches to Beaches in both of her Marine Biology Classes at Eureka High School. Marianne expressed interest and the class began, 02/07/08.

Date: 9/12/2008 ***Responsible Party: Miles Slattery, Project Manager***

Fall 2008 Eureka High School Marine Biology Class

Christina Ernst, Humboldt Baykeeper's Education Coordinator, met with Marianne Lancaster to discuss implementing Reaches to Beaches in three of her Marine Biology Classes at Eureka High School. Marianne expressed interest and the class begins, 09/23/08.

On 09/12/08, Miles met with Christina to update the Reaches to Beaches Journal. Miles had the journals printed and gave them to Christina on 09/22/08.

Date: 10/2/2008 ***Responsible Party: Miles Slattery, Project Manager***

City of Eureka Elementary Schools

The Stormwater Division has been trying to implement stormwater and water conservation curriculum at the elementary school level. Miles Slattery has been working with Bob Munther, Eureka City Schools Assistant Superintendent, to set up a meeting with the principals of the schools.

On 10/02/08, Miles and Christina Ernst met with the principals and presented information about the Reaches to Beaches and water conservation curriculum the City would like to implement at the 4th and 5th grade levels. The principals were interested, but felt the teachers would need to be involved. Christina said that would not be a problem. Miles will follow up.

Date: 4/8/2009 ***Responsible Party: Christina Ernst, Education Coordinator***

Spring 2009 Reaches to Beaches

In order to promote stormwater and water conservation education, the City of Eureka's Stormwater Division contracts with Christina Ernst to research, develop, coordinate, and present two classroom presentations at Washington Elementary School. These presentations will be included as a larger program to be offered to Eureka City School's fourth and fifth grade classes and teachers in the future. Initial research into the appropriate audience grade levels in relation to California State Content Standards and corresponding lesson options are also included in this invoice.

Presentation of stormwater pollution lesson, April 8, 2009 to Heather Gaiera's fifth grade class at Washington Elementary School.

Date: 9/1/2009 ***Responsible Party: Miles Slattery, Project Manager***

Fall 2009 Reaches to Beaches

Christina agreed to teach the class to two of Lucia Boyer's Marine Biology Classes (juniors and seniors) at Eureka High School starting on September 17, 2009. Marianne Lancaster (the previous teacher referred us).

The curriculum was updated to meet California standards and be more appropriate for high school juniors and seniors by Christina Ernst. The class is a ten week class discussing watershed and stormwater related issues. Miles will be teaching two classes to the classrooms discussing Eureka's stormwater program and water quality monitoring.

Date: 9/15/2009 ***Responsible Party: Miles Slattery, Project Manager***

City of Eureka Elementary Schools

The Stormwater Division has been trying to implement stormwater and water conservation curriculum at the elementary school level. Miles Slattery submitted a letter to Richard Lentz, Eureka City Schools new Assistant Superintendent of Educational Services, to inquire about implementing stormwater (Reaches to Beaches) and water conservation curriculum at the fifth grade level. Included in the letter was a brief description of the curricula and four invitation letters addressed to the four principals of the local elementary schools.

Illicit Discharge Detection and Elimination

Details of BMPs and Work Performed for Them

Advertise GIS Web Site

Responsible Party: Riley Topolewski, GIS Coordinator

Advertise the existence of the GIS web site to the public and other agencies through GIS user's group meetings and providing link on Stormwater web site.

Measurable Goal: Monitor hits and comments on the web site. Use hit rate to determine if addition

Start Date: 7/1/2007 End Date: 6/30/2008

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 6/30/2008 ***Responsible Party: Riley Topolewski, GIS Coordinator***

Website Advertising

Riley Topolewski, City of Eureka GIS Coordinator, advertised the interactive GIS webpage that is posted on www.eurekastormwater.com at the monthly GIS user meetings attended by representatives from Humboldt County, the Humboldt Bay Harbor, Recreation and Conservation District, the City of Eureka, the City of Arcata, Humboldt State University and other GIS practicioners in the area.

Miles Slattery also advertised the interactive GIS webpage at North Coast Stormwater Coalition meetings and workshops. Humboldt Baykeeper utilizes the page to determine what basin boundaries are and what contributes to certain outfalls.

Below is a list of the number of page views, by month, for www.eurekastormwater.com:

July 07	84
August 07	108
September 07	98
October 07	180
November 07	270
December 07	216
January 08	334
February 08	291
March 08	304
April 08	333
May 08	436

The link was posted on the page on 6/25/07. It is apparent that the number of views has increased significantly since the interactive GIS link was posted. The Stormwater Division will continue to advertise the interactive GIS link as was done previously. Based on the increase in page views,

Capitol Improvement Plan for Storm Drainage System

Responsible Party: Miles Slattery, Project Manager

Develop Capital Improvement Plan for repairing/replacing areas of storm drainage system with large amounts of groundwater infiltration.

Measurable Goal: Development of Capital Improvement Plan with budget and schedule for storm drain piping replacement

Start Date: 7/1/2008 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 33 %

Work performed for the BMP listed above

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2009-10 Capitol Improvement Plan

The City of Eureka's Capitol Improvement Plan for FY 2009-10 was submitted to the Planning Commision and adopted by Council. In January 2009, Engineering requested that project be submitted. The Stormwater Division submitted storm drainage improvement requests. The two major ones involved culvert replacements at Campton and Fern and Cooper Gulch creek crossing at Myrtle Avenue. The Cooper Gulch culvert replacement was included in an application for stimulus funding through the Humboldt Fish Action Council (pending).

Complete Draft Stormwater Ordinance

Responsible Party: Bruce Young, Deputy Public Works Director

Complete Draft Storm Water Quality Management and Discharge Control ordinance.

Measurable Goal: Draft ordinance finalized .

Start Date: 7/1/2006 End Date: 6/30/2007

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 12/1/2005 ***Responsible Party: Bruce Young, Deputy Public Works Director***

Stormwater Ordinance

Draft Stormwater Ordinance completed and finalized.

Develop Operations Plan for Smoke Testing

Responsible Party: Miles Slattery, Project Manager

Develop operations plan with schedule and tracking system for performing smoke testing of the storm drain system.

Measurable Goal: Operations Plan, Schedule & Tracking Systems developed.

Start Date: 7/1/2007 End Date: 6/30/2008

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 6/26/2008 ***Responsible Party: Miles Slattery, Project Manager***

Smoke Testing Plan

Miles Slattery reviewed the First Flush data from 2005-07. Since most of the sampling locations were not connected to our storm drainage facilities, the feasibility for smoke testing was not available. However, the Target (big box retailer) outfall on the East side of town had consistently high coliform values.

Miles met with Bruce Young, Deputy Public Works Director, to discuss a smoke testing plan. Miles informed Bruce about the coliform data from First Flush. Since the Target outfall was connected to our storm drainage facilities and was the furthest East in relation to the Old Town / commercial area of Eureka, they decided to start at the storm drainage facilities on 3rd and Y Streets that connect to the Target outfall. Smoke testing will be tracked and documented in ASIST.

The overall smoke testing plan is to start on the North-East area of Eureka and work towards the West, covering the Old Town / commercial area of Eureka. It was decided that the Old Town / commercial area is an area of concern because of its proximity to Humboldt Bay and potential for illicit connections.

Smoke testing supplies were ordered on 6/06/08 and are expected to arrive by late June / early July. As soon as they arrive, the Streets Division will implement the smoke testing plan.

Develop Storm System Maintenance Log

Responsible Party: Miles Slattery, Project Manager

Develop a storm system maintenance log to document the location and observations made during storm drain maintenance, including excessive debris, suspicious discharges, odors, dry-weather flow, structural problems, and others.

Measurable Goal: Maintena

Start Date: 7/1/2007 End Date: 6/30/2008

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 3/5/2008 ***Responsible Party: Miles Slattery, Project Manager***

New Maintenance Form

Miles worked with Dan Smith, Maintenance Supervisor for Streets, to develop a one page Street/Alley Maintenance Field Worksheet (attached) to be used by the field crew to track all maintenance done on the storm drain facilities. There is a 'Notes' section for observations made during storm drain maintenance, including excessive debris, odors, dry-weather flow, structural problems, and others. If suspicious discharges are witnessed, staff were trained to radio Public Works dispatch or call the hotline.

Date: 6/30/2008 ***Responsible Party: Miles Slattery, Project Manager***

Maintenance Form Tracking

Right now the information from the maintenance forms are written up in a supervisor's report and then entered into an Access database at the corp yard. The Stormwater Division is currently working on streamlining the process. Miles is working with the ASIST programmers and Danny Smith, Streets Supervisor, to develop a way to enter the forms into the ASIST database and keep track of those records.

Establish Stormwater Hotline

Responsible Party: Miles Slattery, Project Manager

Measurable Goal: Dedicated phone number established for use as stormwater hotline

Start Date: 7/1/2006 End Date: 6/30/2007

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 5/15/2006 ***Responsible Party: Miles Slattery, Project Manager***

Stormwater Hotline

Established stormwater hotline - 707.441.4192. Answered by Susan Hutchison and Pearl Mendoza, Public Works Administrative Assistants.

Date: 7/31/2008 ***Responsible Party: Miles Slattery, Project Manager***

Region Wide Hotline Number

As a part of a SEP, the City of Eureka has established a region wide hotline number for all the MS4s in Humboldt County (1.877.NCSC001). The number will have a call navigator system that will prompt the caller to direct the call to the appropriate MS4's hotline.

Evaluate Results of Commercial / Industrial Inspections

Responsible Party: Miles Slattery, Project Manager

Obtain and evaluate results of commercial / industrial inspections performed by the City Pre-Treatment Coordinator, County DEH, and County CUPA.

Measurable Goal: Evaluate inspection results to determine areas of concern to be targeted for outreach and

Start Date: 7/1/2007 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 50 %

Work performed for the BMP listed above

Date: 6/30/2008 ***Responsible Party: Miles Slattery, Project Manager***

2007-08 Commercial and Industrial Inspections

Miles Slattery reviewed the forwarded complaints in the 'Citizen Call' module of ASIST from City Source Control Supervisor, County DEH, and County CUPA during the 2007-08 permit year. The most frequent complaints were about restaurants and car washing.

To address the restaurant industry, the Stomrwater Division created a BMP manual that has been and will be passed out to restaurants that have had a complaint filed against them. Also, the NCSC is working on creating a BMP placard to be distributed to local area restaurants as a form of public education and outreach that can be displayed in the kitchen areas.

To address the nutrient levels, the NCSWC has contacted local area fundraising car washes at Victoria Place and made sure they limit the amount of soap they use and use biodegradable soap. We've also looked into having commercial car washes host fundraising events, to no avail. Miles is working with Jane Dice, Coastal Care Center (Victoria Place landlord), to install a filter in the parking lot DI to supplement their oil and water seperator with funding from the Prop 50 grant RCAA obtained. The Stormwater Division has stopped fundraising washes at inappropriate locations like the Shell Gas Station on Myrtle (see 'Citizen Call' module) and responds to complaints of washes at inappropriate locations.

Miles also has been working with Roy's Auto Center on West 5th Street to install BMPs to prevent soapy discharges from leaving their property (see 'Citizen Call' module). They have also changed to using biodegradable soap once per week and wqash with just water the rest of the time. During car washing they are using a DI grate BMP to prevent sediment discharges.

The Stormwater Division has also distributed 'Soap is for Dishes not for Fishes!' stormwater posters to Eureka High School and City facilities.

Date: 1/1/2009 ***Responsible Party: Gary Bird, Special Projects Manager***

Mandatory Garbage-Recycling Program

On June 3, 2008, the Eureka City Council adopted a Universal Garbage and Recycling collection ordinance. The ordinance was adopted by the City to help us meet State waste reduction mandates, and to reduce illegal disposal and public health hazards currently plaguing our neighborhoods. The program went into effect on January 1, 2009.

Included in the mandatory service is a twice a year bulky item pick-up for all residents. This includes e-waste, furniture, appliances, etc. This will reduce illegal dumping in the City and decrease potential stormwater pollution sources.

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2008-09 Commercial and Industrial Inspections

Miles Slattery reviewed the forwarded complaints in the 'Citizen Call' module of ASIST from City Source Control Supervisor, County DEH, and County CUPA during the 2008-09 permit year. The most frequent complaints were about restaurants.

To address the restaurant industry, the Stomrwater Division created a BMP manual that has been, and will be, passed out to restaurants that have had a complaint filed against them. Also, Miles gave the Source Control Division Restaraunt BMP Manuals to be passed out during their inspections.

Forward Stormwater Complaints to Appropriate Personnel

Responsible Party: Miles Slattery, Project Manager

Forward complaints of illicit discharges to City Pre-Treatment Coordinator, County Environmental Health or other appropriate personnel.

Measurable Goal: 100% follow-up on all illicit discharge complaints.

Start Date: 7/1/2007 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 50 %

Work performed for the BMP listed above

Date: 6/30/2007 ***Responsible Party: Miles Slattery, Project Manager***

2006-07 Stormwater Complaints

All stormwater complaints received in permit year 2006-2007 were forwarded to the appropriate personnel (see Citizen Call table in the MS4 Database). Complaints were forwarded to the City's Pre-Treatment Department, County Environmental Health and the Department of Fish and Game when necessary.

Date: 6/30/2008 ***Responsible Party: Miles Slattery, Project Manager***

2007-08 Stormwater Complaints

All stormwater complaints received in permit year 2007-2008 were forwarded to the appropriate personnel (see 'Citizen Call' table under 'Operations' in the ASIST database). Complaints were forwarded to the City's Pre-Treatment Department, County Environmental Health and the Department of Fish and Game when necessary.

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Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***
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All stormwater complaints received in permit year 2008-09 were forwarded to the appropriate personnel (see 'Citizen Call' table under 'Operations' in the ASIST database). Complaints were forwarded to the City's Pre-Treatment Department, County Environmental Health and the Department of Fish and Game when necessary.

GIS Web Site

Responsible Party: Riley Topolewski, GIS Coordinator

Complete the City's Stormwater GIS web site.

Measurable Goal: Document and enforce 100% of illicit connections identified.

Start Date: 7/1/2006 End Date: 6/30/2007
Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 6/25/2007 ***Responsible Party: Riley Topolewski, GIS Coordinator***
Interactive GIS Webpage
The ineractive GIS webpage was completed by Riley Topolewski. Miles inserted a link to the site on www.eurekastormwater.com.

Information on Stormwater Ordinance in PSAs

Responsible Party: Miles Slattery, Project Manager

Include information on the stormwater ordinance in public service announcements.

Measurable Goal: Information on the stormwater ordinance included in at least 1 public service announcement.

Start Date: 7/1/2007 End Date: 6/30/2009
Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 12/1/2006 ***Responsible Party: Miles Slattery, Project Manager***
Coastal Currents
Humboldt Baykeepers Fall 2006 Coastal Currents magazine published an article about the City of Eureka's Stormwater Division. The article included information about the stormwater ordinance, hotline, webpage and contact information.

Date: 2/7/2007 ***Responsible Party: Miles Slattery, Project Manager***
KHUM 104.3 Coastal Currents
Miles was a guest on Humboldt Baykeepers Coastal Currents spot at noon on KHUM, 104.3 FM. He discussed the North Coast Stormwater Coalition, the City of Eureka's stormwater program and the different ways the public can report stormwater issues (Eureka's hotline and webpage).

Date: 11/2/2007 ***Responsible Party: NCSWC Members, Active Members***
Construction Site Stormwater Management Workshop
The North Coast Stormwater Coaltion sponsored a workshop for construction site stormwater management. The morning session included presentations on construction site BMPs (Craig Benson, RCAA), constructing roadways and driveways (Tyler Ledwith, RCAA) and local ordinance compliance (Miles Slattery, City of Eureka). The afternoon session provided two options. There was hands on erosion and sediment control BMP instillation training or EPA certified construction site stormwater management training. During the workshop, the City of Eureka Construction Site BMP pamphlets (19 BMP pamphlets) were made available to attendees. 91 people attended the conference. 26 attended the BMP instillation training, and 54 attended the stormwater manager training.

Date: 12/4/2007 ***Responsible Party: NCSWC Members, Active Members***

Landscape Design with Stormwater in Mind

The North Coast Stormwater Coaltion sponsored a workshop for landscape professionals and residents. The conference included presentations on local ordinance compliance (Miles Slattery, City of Eureka), the landscape/stormwater connection (Loren Oki, UC Cooperative Extension), creating a balance with IPM (Annie Joseph, OWOW), landscape features that minimize runoff (Loren Oki, UC Cooperative Extension), less toxic lawns and alternatives (Deborah Giraud, UC Cooperative Extension) and sustainable landscape (Donna Wildearth, Wildearth Designs). During the workshop,local nurseries, landscape supply companies and the NCSWC handed out stormwater friendly BMP material and educational material. 72 people attended the conference.

Date: 5/7/2008 ***Responsible Party: Miles Slattery, Project Manager***

KHUM 104.3 Coastal Currents

Miles was a guest on KHUM 104.3's Coastal Currents. Miles discussed the upcoming Mayday Community Clean Up, the North Coast Stormwater Coalition, the upcoming region wide hotline number and the City's recently approved Construction Site Erosion Control Ordinance. Audio is attached.

Date: 9/9/2008 ***Responsible Party: Miles Slattery, Project Manager***

Erosion Control PSA

The Stormwater Division worked with Lost Coast Communications to develop a PSA (attached) announcing the implementation of the erosion control ordinance that will air on KHUM, KSLG & KWPT. By purchasing 34 :60 spots (6a-7p) on each station you will receive 17 Pubic Service Announcement buy-back spots, making your total 51 spots per station, 153 total. It will play for two weeks (weekdays only) and run from 9/9-9/15 and another from 9/23-9/29, with an average of 5 spots per day.

Date: 9/24/2008 ***Responsible Party: Miles Slattery, Project Manager***

Erosion Control Ordinance Press Release

On 09/24/08, Miles submitted a press release (attached) announcing the adoption and implementation of the erosion control ordinance.

Date: 4/15/2009 ***Responsible Party: Angie Wood, Storm Water Project Manager***

Times Standard Ad - Sustainable Humboldt

Regionwide hotline (877-NCSC-001) ad (attached) was posted in the April 15th 'Sustainable Humboldt' insert of the Times Standard.

Date: 6/15/2009 ***Responsible Party: Miles Slattery, Project Manager***

Construction BMP Manual Media

Radio spot (attached) announcing the availability of three City of Eureka BMP manuals for stormwater (Regulations, Construction Site BMPs and LID). The manuals include descriptions of local and state stormwater regulations pertaining to construction, instillation and maintenance of construction site BMPs and instillation and maintenance of Low Impact Development for as builts.

The Stormwater Division paid $500 for spots on KGOE, KKHB, KRED, KATA, KFMI, KXGO and KJNY. The radio spot was also forwarded to all local stations and aired fro free. The Stormwater Division received over 100 spots from the paid stations, as well as free airtime from those and other stations the radio spot was sent to. These radio stations have an audience of over 100,000 listeners.

In-House Training for Ordinance Enforcement

Responsible Party: Miles Slattery, Project Manager

Public Works to conduct in-house training related to ordinance enforcement.

Measurable Goal: 100% of applicable Public Works staff receive training.

Start Date: 7/1/2007 End Date: 6/30/2008

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 1/11/2008 ***Responsible Party: Miles Slattery, Project Manager***

Parks, Facilities, Harbor Ordinance Training

Miles presented a power point presentation and training video for the Parks and Recreation Department. The power point gave an overview of the Stormwater Division and information about the stormwater and erosion control ordinances. The presentation explained what is considered a violation of the ordinances and how to report them to the appropriate personnel. The video provided examples of BMPs for municipal operations and information on how to detect illicit discharges. 16 staff members were in attendance.

Date: 4/11/2008 ***Responsible Party: Miles Slattery, Project Manager***

Streets-Alleys, WW Collection and Water Distribution Ordinance Training

Miles presented a power point presentation and training video for the Streets/Alleys, Wastewater Collection and Water Distribution Divisions Department. The power point gave an overview of the Stormwater Division and information about the stormwater and erosion control ordinances. The presentation explained what is considered a violation of the ordinances and how to report them to the appropriate personnel. The video provided examples of BMPs for municipal operations and information on how to detect illicit discharges. 17 staff members were in attendance.

Date: 5/8/2008 ***Responsible Party: NCSWC Members, Active Members***

IDDE Training

Winzler and Kelly, local engineering consultants, presented training on the IDDE component of Phase II permits. The training discussed program development, illicit connections, finding illicit connections (dye, smoke and video testing) and fixing illicit connections. Justin Boyes, Source Control Supervisor, and Miles Slattery attended.

Inspections of Permitted Industrial Dischargers and Complaint Response

Responsible Party: Miles Slattery, Project Manager

Coordinate with City's Pre-Treatment Coordinator, County Division of Environmental Health, and County CUPA on inspections of permitted industrial dischargers and complaint response. Track the locations of illicit discharges to determine areas of concern t

Start Date: 7/1/2007 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 50 %

Work performed for the BMP listed above

Date: 6/30/2007 ***Responsible Party: Miles Slattery, Project Manager***

2006-07 Pre-Treatment Coordination

Coordinated with City's Pre-Treatment Coordinator and the County Division of Environmental Health during 2006-2007 permit year on all issues related to stormwater. Anytime Justin Boyes, Eureka Pre-Treatment Coordinator, and John Verbeck and Vicki Lore, County Environmental Health, came accross stormwater issues in their inspections in the City limits they contacted me. We responded with a second inspection and informed the businesses about the ordinance and BMPs to prevent stormwater pollution (see Citizen Call table in MS4 Database).

Date: 6/30/2008 ***Responsible Party: Miles Slattery, Project Manager***

2007-08 Pre-Treatment Coordination

Coordinated with City's Pre-Treatment Coordinator and the County Division of Environmental Health during 2007-08 permit year on all issues related to stormwater. Anytime Justin Boyes, Eureka Source Control Supervisor, and John Verbeck, Jeff Poel and Vicki Lore, County Environmental Health, came accross stormwater issues in their inspections in the City limits they contacted me. We responded with a second inspection and informed the businesses about the ordinance and BMPs to prevent stormwater pollution (see 'Citizen Call' table under 'Operations' in ASIST Database). The inspectors for Humboldt County Environmental Health are members of the NCSWC. Stormwater issues within the City of Eureka are brought up at the meetiings and assigned to the appropriate agencies.

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2008-09 Source Control Coordination

Coordinated with City's Source Control Supervisor and the County Division of Environmental Health during 2008-09 permit year on all issues related to stormwater. Anytime Justin Boyes, Eureka Source Control Supervisor, and John Verbeck, Jeff Poel and Vicki Lore, County Environmental Health, came accross stormwater issues in their inspections in the City limits they contacted Mile Slattery. The Stormwater Division responded with a second inspection and informed the businesses about the ordinance and BMPs to prevent stormwater pollution (see 'Citizen Call' table under 'Operations' in ASIST Database). The inspectors for Humboldt County Environmental Health are members of the NCSC. Stormwater issues within the City of Eureka are brought up at the meetiings and assigned to the appropriate agencies.

Maintenance Log Training for Public Works

Responsible Party: Miles Slattery, Project Manager

Train Public Works employees in the use of the maintenance log form & oversee use.

Measurable Goal: 100% of applicable Public Works employees trained and using form.

Start Date: 7/1/2007 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 50 %

Work performed for the BMP listed above

Date: 4/11/2008 ***Responsible Party: Miles Slattery, Project Manager***

Ordinance / Maintenance Log Training

Miles presented a power point presentation and training video for the Streets/Alleys, Wastewater Collection and Water Distribution Divisions Department. The power point gave an overview of the Stormwater Division and information about the stormwater and erosion control ordinances. The presentation explained what is considered a violation of the ordinances and how to report them to the appropriate personnel. The new storm drain maintenance forms were reviewed and explained. The video provided examples of BMPs for municipal operations and information on how to detect illicit discharges. 17 staff members were in attendance.

Date: 6/30/2009 ***Responsible Party: Dan Smith, Streets Supervisor***

2008-09 Training

During this permit year, all employees with the Streets/Alleys Division have been trained on the storm drain system maintenance log.

Oversee Enforcement of Stormwater Ordinance

Responsible Party: Miles Slattery, Project Manager

Oversee implementation and enforcement of ordinance.

Measurable Goal: Enforce 100% of observed illicit discharges.

Start Date: 7/1/2007 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 50 %

Work performed for the BMP listed above

Date: 6/30/2007 ***Responsible Party: Miles Slattery, Project Manager***

2006-07 Enforcement

All stormwater complaints were responded to during the 2006-2007 permit year. Each complaint was documented in the Citizen Call table of the MS4 Database.

Date: 6/30/2008 ***Responsible Party: Miles Slattery, Project Manager***

2007-08 Enforcement

All stormwater complaints were responded to during the 2007-08 permit year. Each complaint was documented in the 'Citizen Call' table under 'Operations' in the ASIST Database.

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***
2008-09 Enforcement
All stormwater complaints were responded to during the 2008-09 permit year. Each complaint was documented in the 'Citizen Call' table under 'Operations' in the ASIST Database.

Perform Smoke Testing

Responsible Party: Bruce Young, Deputy Public Works Director

Perform smoke testing of the system. Enforce removal of illicit connections detected.

Measurable Goal: A minimum of 10% of the system smoke tested each year. 100% of illicit connections removed.

Start Date: 7/1/2007 End Date: 6/30/2011
Percentage of work that has been accomplished for this BMP: 50 %

Work performed for the BMP listed above

Date: 9/15/2008 ***Responsible Party: Dan Smith, Streets Supervisor***
September 15, 2008 Smoke Testing
Street crews performed smoke testing on the storm drain system on Y Street between 3rd and 2nd, and along 2nd Street to the outfall next to Target. No irregularities in the system were detected. However, an outside drain at American Auto Detail, 2332 2nd Street, is suppose to be plumbed to the storm drain system, and no smoke was detected coming from the drain. A work ordder was submitted to the Wastewater Collection crew to dye test the drain and see if it's plumbed to the sewer. If it is, Source Control will be following up with an inspection and permitting the business (making sure there is pre-treatment and covering the arae so no rain enters the collection system).
Date: 9/15/2008 ***Responsible Party: Dan Smith, Streets Supervisor***
2007-08 Smoke Testing
Smoke testing supplies were ordered on 6/06/08 and are expected to arrive by late June / early July. As soon as they arrive, the Streets Division will implement the smoke testing plan.

Supplies arrived on 7/14/08. The Streets Division is not available for training until September. The first round of smoke testing will occur during that training session on September 15th at the storm drainage facilities on 3rd and Y Streets that connect to the Target outfall. Smoke testing will be tracked and documented in ASIST.
Date: 6/24/2009 ***Responsible Party: Dan Smith, Streets Supervisor***
June 24, 2009 Smoke Testing
Street crews performed smoke testing on the storm drain system on S Street between 3rd and 2nd, and on to the Waterfront Drive outfall. Any deficiencies or irregularities will be followed up with work order requests for the streets/alleys crew or wastewater collections crew.

Present Stormwater Ordinance

Responsible Party: Bruce Young, Deputy Public Works Director

Present ordinance to City Council.

Measurable Goal: Stormwater ordinance adopted.

Start Date: 7/1/2007 End Date: 6/30/2008
Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 1/17/2006 ***Responsible Party: Bruce Young, Deputy Public Works Director***
Stormwater Ordinance
City Council adopted Stormwater Ordinance.

Review Stormwater Complaint Logs

Responsible Party: Miles Slattery, Project Manager

Review complaint logs to identify areas or target audience where additional inspections or education is required.

Measurable Goal: 100% review of complaint logs

Start Date: 7/1/2007 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 50 %

Work performed for the BMP listed above

Date: 6/30/2008 ***Responsible Party: Miles Slattery, Project Manager***

2007-08 Complaint Logs

Miles Slattery reviewed the complaints logs in the 'Citizen Call' module of ASIST during the 2007-08 permit year. The most frequent complaints were about construction activities, restaurants and car washing.

To address construction activities, the Stormwater Division developed 19 construction BMP pamhplets, held two workshops ('Paving the Way for Rain' and 'Construction Site Stormwater Management'), adopted an erosion control ordinance (Oct. '08 implementation) and completed the draft Construction Site BMP Manual (under review).

To address the restaurant industry, the Stomrwater Division created a BMP manual that has been and will be passed out to restaurants that have had a complaint filed against them. Also, the NCSC is working on creating a BMP placard to be distributed to local area restaurants as a form of public education and outreach that can be displayed in the kitchen areas.

To address the nutrient levels, the NCSWC has contacted local area fundraising car washes and changed their locations, the type of soap used and are looking into installing filters at locations known to host car washing events. The Stormwater Division has stopped fundraising washes at inappropriate locations like the Shell Gas Station on Myrtle (see 'Citizen Call' module) and responds to complaints of washes at inappropriate locations.

Miles also has been working car dealerships to install BMPs to prevent soapy discharges from leaving their property (see 'Citizen Call' module).

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2008-09 Complaint Logs

Miles Slattery reviewed the complaints logs in the 'Citizen Call' module of ASIST during the 2008-09 permit year. The most frequent complaints were about construction activities, restaurants and car washing.

To address construction activities, the Stormwater Division developed 19 construction BMP pamhplets, adopted an erosion control ordinance and adopted the three Construction Site BMP Manuals (regulations, construction sites and LID).

To address the restaurant industry, the Stormwater Division created a BMP manual that has been and will be passed out to restaurants that have had a complaint filed against them. Also, the Source Control Division of the City of Eureka has these manuals and passes them out during their inspections.

To address the nutrient levels, the NCSC has contacted local area fundraising car washes and changed their locations, the type of soap used and are looking into installing filters at locations known to host car washing events. The Stormwater Division has recently aquired a portable inlet filter to loan out to local fundraising car washes. Fundraising washes at inappropriate locations like the Shell Gas Station on Myrtle (see 'Citizen Call' module) have been relocated and responds to complaints of washes at inappropriate locations.

Miles also has been working car dealerships to install BMPs to prevent soapy discharges from leaving their property (see 'Citizen Call' module).

Review Stormwater Ordinance

Responsible Party: David Tranberg, City Attorney

City Attorney and City Engineer to review stormwater ordinance.

Measurable Goal: Stormwater ordinance reviewed and revised.

Start Date: 7/1/2006 End Date: 6/30/2007

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 1/11/2006 ***Responsible Party: David Tranberg, City Attorney***

Stormwater Ordinance

Reviewed by David Tranberg, City Attorney, and Brent Siemer, City Engineer. Revised by Mike Knight.

Track All Stormwater Complaints

Responsible Party: Miles Slattery, Project Manager

Track complaints received through Public Works Department. Maintain records of follow-up activities to show that discharges are adequately addressed.

Measurable Goal: 100% corrective action.

Start Date: 7/1/2007 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 50 %

Work performed for the BMP listed above

Date: 5/15/2006 ***Responsible Party: Miles Slattery, Project Manager***

2006-07 Complaint Tracking

Hotline operator, Susan Hutchison and Pearl Mendoza, enters stormwater hotline complaint into the already existing Public Works' Trackit software as a stormwater issue. All stormwater issues in Trackit are forwarded to Miles Slattery, Project Manager Stormwater Division, via Trackit. All stormwater complaints entered via the webpage are automatically forwarded to Trakit. Miles documents the complaint and action taken into the ASIST database. All stormwater complaints are then reported using ASIST.

Date: 6/30/2008 ***Responsible Party: Miles Slattery, Project Manager***

2007-08 Complaint Tracking

Hotline operator, Susan Hutchison and Pearl Mendoza, entered stormwater hotline complaint into the already existing Public Works' Trackit software as a stormwater issue. All stormwater issues in Trackit are forwarded to Miles Slattery, Project Manager Stormwater Division, via Trackit. All stormwater complaints entered via the webpage are automatically forwarded to Trakit. Complaints issued by hotline, webpage, directly to Miles by phone and by City departments get documented into the ASIST database. All stormwater complaints are then reported using ASIST.

Date: 1/1/2009 ***Responsible Party: Gary Bird, Special Projects Manager***

Mandatory Garbage-Recycling Program

On June 3, 2008, the Eureka City Council adopted a Universal Garbage and Recycling collection ordinance. The ordinance was adopted by the City to help us meet State waste reduction mandates, and to reduce illegal disposal and public health hazards currently plaguing our neighborhoods. The program went into effect on January 1, 2009.

Included in the mandatory service is a twice a year bulky item pick-up for all residents. This includes e-waste, furniture, appliances, etc. This will reduce illegal dumping in the City and decrease potential stormwater pollution sources.

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2008-09 Complaint Tracking

Hotline operator, Susan Hutchison and Pearl Mendoza, forward stormwater hotline complaints to Miles Slattery, Project Manager Stormwater Division. Complaints get documented into the ASIST database under the 'Citizen Calls' module. All stormwater complaints are then reported using ASIST.

Track Illicit Discharges Entered in Maintenance Log

Responsible Party: Miles Slattery, Project Manager

Track the locations of illicit discharges to determine areas of concern to be targeted for outreach and additional monitoring / maintenance. Perform additional outreach, monitoring, and maintenance as necessary.

Measurable Goal: Areas of concern identi

Start Date: 7/1/2007 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 50 %

Work performed for the BMP listed above

Date: 6/30/2008 ***Responsible Party: Miles Slattery, Project Manager***

2007-08 Illicit Discharge Tracking

Hotline operator, Susan Hutchison and Pearl Mendoza, entered illicit discharge reports from field crew into the already existing Public Works' Trackit software as a stormwater issue. All stormwater issues in Trackit are forwarded to Miles Slattery, Project Manager Stormwater Division, via Trackit. Complaints issued directly to Miles by phone by field crews get documented into the ASIST database. All stormwater complaints are then reported using ASIST.

During this permit year, the majority of illicit discharges reported by staff have been related to construction. The Stormwater Division has addressed the issues related to the construction industry by developing 19 construction BMP pamhplets, holding two workshops ('Paving the Way for Rain' and 'Construction Site Stormwater Management'), adopting an erosion control ordinance (Oct. '08 implementation) and completing the draft Construction Site BMP Manual (under review).

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2008-09 Illicit Discharge Tracking

During this permit year, the majority of illicit discharges reported by staff have been related to construction. The Stormwater Division has addressed the issues related to the construction industry by developing 19 construction BMP pamhplets, adopting an erosion control ordinance and adopting the three Construction BMP Manuals. All stormwater issues are forwarded to Miles Slattery, Project Manager Stormwater Division. Complaints issued directly to Miles get documented into the ASIST database in the 'Citizen Call' module. All stormwater complaints are then reported using ASIST.

Tracking Mechanism for Stormwater Hotline

Responsible Party: Miles Slattery, Project Manager

Establish tracking mechanism for use by Hotline Operator to track complaint and action taken.

Measurable Goal: Tracking mechanism in place.

Start Date: 7/1/2006 End Date: 6/30/2007

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 5/15/2006 ***Responsible Party: Miles Slattery, Project Manager***

ASIST

Hotline operator, Susan Hutchison, enters stormwater hotline complaint into the already existing Public Works' Trackit software as a storm water issue. All storm water issues in Trackit are forwarded to Miles Slattery, Project Manager Stormwater Division, via Trackit. Miles documents the complaint and action taken into the ASIST database. All hotline complaints are then reported using ASIST.

Urban Water Management Plan

Responsible Party: Carolyn Thomas, Finance Director

Promote water conservation in the community and enforce water waste prohibition.

Measurable Goal: At least one public service announcement / press release submitted per year.

Start Date: 7/1/2006 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 60 %

Work performed for the BMP listed above

Date: 6/2/2006 ***Responsible Party: Carolyn Thomas, Finance Director***

2006 Press Release

Press release advertised in the Times Standard newspaper on how you can conserve water and keep your water bills from going up.

Date: 6/30/2008 ***Responsible Party: Valerie Warner, Finance Director***

2007 Press Release

Valerie Warner, Finance Director, was hired in mid-2007. The Finance Department had staffing issues during this fiscal year. Because of the staffing issues, there was no PSA or press release submitted.

Date: 8/26/2008 ***Responsible Party: Miles Slattery, Project Manager***

2008-2009 Water Conservation Pamphlets

The Stormwater Division created a water conservation pamphlet (attached) as a part of the Urban Water Managment Plan's Demand Management Measure 7. Pamphlets were printed and made available at the water billing kiosk and on the 3rd floor of City Hall. Staff memebers call Miles when they run out. The pamphlet was made available on the City's Water Conservation webpage as well as www.eurekastormwater.com.

Date: 9/9/2008 ***Responsible Party: Miles Slattery, Project Manager***

2008 Public Service Announcement

The Stormwater Division worked with Lost Coast Communications to develop a water conservation PSA (attached) that will air on both KWPT & KSLG as both are more targeted to Northern Humboldt County where Eureka residents reside.96 spots were purchased, 5 spots per day. It will run for two weeks (weekdays only) from 9/9-9/22.

Date: 9/24/2008 ***Responsible Party: Miles Slattery, Project Manager***

September 24, 2008 Press Release

On 09/24/08, Miles submitted a press release (attached) to all local media about ways to conserve water and save money.

Date: 9/25/2008 ***Responsible Party: Miles Slattery, Project Manager***

Water Conservation Pamphlets

Miles printed and gave Daniel Vit, Utility Worker II, 50 City of Eureka Water Conservation at Home pamphlets to hand out to customers while reading water meters.

Date: 4/15/2009 ***Responsible Party: Miles Slattery, Project Manager***

April 15, 2009 Water Conservation Curriculum

As per the requirements of DMM 8 of the City's UWMP, the City of Eureka's Stormwater Division contracts with Christina Ernst to research, develop, coordinate, and present a water conservation presentation at Washington Elementary School. This presentation will be included as a larger program to be offered to Eureka City School's fourth and fifth grade classes and teachers in the future. Initial research into the appropriate audience grade levels in relation to California State Content Standards and corresponding lesson options are also included.

Presentation of a water conservation lesson was presented on April 15, 2009 to Heather Gaiera's fifth grade class at Washington Elementary School.

Date: 6/2/2009 ***Responsible Party: Miles Slattery, Project Manager***

Water Waste Ordinance

Stormwater Division staff amended the existing Water Shortage Regulations and re-named it the Water Shortage and Water Waste Regulations (attached) to comply with the IDDE MCM requiring the City to adopt a water waste ordinance preventing potable water runoff, non-recirculating car washes/laundry systems/fountains, single pass colling systems and washing of vehicles, building exteriors, sidewalks, driveways, parking areas, tennis courts, patios or other paved areas without the use of a positive shut-off nozzle on the hose. The new regulations were adopted by Council on June 2, 2009. The ordinance was posted on the Stornmwater Division's webpage.

Construction Site Stormwater Runoff Control

Details of BMPs and Work Performed for Them

Advertise the Stormwater Hotline

Responsible Party: Miles Slattery, Project Manager

Advertise the Stormwater Hotline number on all educational pamphlets, posters, and storm water web site.

Measurable Goal: 25% compliance each fiscal year for 100% compliance by end of permit term.

Start Date: 7/1/2007 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 50 %

Work performed for the BMP listed above

Date: 6/1/2006 ***Responsible Party: Miles Slattery, Project Manager***

Webpage

Advertised hotline on Eureka's Storm Water Division webpage.

Date: 6/30/2006 ***Responsible Party: Miles Slattery, Project Manager***

NCSWC Webpage

Advertised hotline on NCSWC webpage (www.humboldtstormwater.com).

Date: 8/1/2006 ***Responsible Party: Miles Slattery, Project Manager***

Business BMP Manuals

Advertised hotline on the four industry BMP manuals that are handed out to local businesses.

Date: 9/1/2006 ***Responsible Party: Miles Slattery, Project Manager***

Construction BMP Pamphlets

Advertised the hotline on the twenty-one construction BMP pamphlets handed out to local contractors.

Date: 10/31/2006 ***Responsible Party: Miles Slattery, Project Manager***

2007 Yellow Pages Recycling Guide

In the 'Recycling Guide' section of the yellow pages, advertised the stormwater hotline and webpage to report stormwater issues.

Date: 12/1/2006 ***Responsible Party: Miles Slattery, Project Manager***

Coastal Currents

Humboldt Baykeepers Fall 2006 Coastal Currents magazine published an article about the City of Eureka's Stormwater Division. The article included information about the stormwater ordinance, hotline, webpage and contact information.

Date: 1/1/2007 ***Responsible Party: Miles Slattery, Project Manager***

Stormwater Posters

Advertised the stormwater hotline on seven posters created by the City of Eureka (Pet Watse, Cigarettes, Toxics, Oil, Fertilizer, Car Wash and a 'Report It' poster)that will be distributed to local businesses, city facilities and other offices throughout the City.

Date: 2/7/2007 ***Responsible Party: Miles Slattery, Project Manager***

KHUM 104.3 Coastal Currents

Miles was a guest on Humboldt Baykeepers Coastal Currents spot at noon on KHUM, 104.3 FM. He discussed the North Coast Stormwater Coalition, the City of Eureka's stormwater program and the different ways the public can report stormwater issues (Eureka's hotline and webpage).

Date: 3/14/2007 ***Responsible Party: Miles Slattery, Project Manager***

Paving the Way for Rain Workshop

Handed out pamphletes with local stormwater hotlines printed on them at the 'Paving the Way for Rain' workshop. It was a full day workshop on permeable pavement. Morning session was an overview of permeable pavement and the four different pavement types (pervious concrete, pervious asphalt, interlocking concrete pavers and reinforced grass pavement). Afternoon session was a series of technical sessions explaining installation, cost and performance.

Date: 7/1/2007 ***Responsible Party: NCSWC Members, Active Members***

Humboldt Transit Authority Bus Ads

Paid for two ads ("Scoop the Poop" and "Hang on to Your Butts") to be displayed on Humboldt Transit Authority buses. The ads will run from July 1, 2007 through Oct. 30, 2007. The ad includes the coalition webpage address which has the City of Eureka's stormwater hotline number on it.

Date: 10/1/2007 ***Responsible Party: Miles Slattery, Project Manager***

2008 Yellow Pages Recycling Guide

In the 'Recycling Guide' section of the yellow pages, advertised the stormwater hotline and webpage to report stormwater issues.

Date: 4/15/2008 ***Responsible Party: NCSWC Members, Active Members***

KSLG 94.1 Radio Spot

Morguine Sefcik and Natalie Arroyo went on KSLG for a 15 minute interview about the Prop 50 grant they reveived on behalf of the NCSWC. They discussed the workshops we've sponsored, plugged the stormwater hotlines and the Mayday Community Clean Up event.

Date: 5/7/2008 ***Responsible Party: Miles Slattery, Project Manager***

KHUM 104.3 Coastal Currents

Miles was a guest on KHUM 104.3's Coastal Currents. Miles discussed the upcoming Mayday Community Clean Up, the North Coast Stormwater Coalition, the upcoming region wide hotline number and the City's recently approved Construction Site Erosion Control Ordinance. Audio is attached.

Date: 9/15/2008 ***Responsible Party: Miles Slattery, Project Manager***

North Coast Stormwater Coalition Refrigerator Magnets

As a part of the City of Eureka SEP, refrigerator magnets were purchased with the region wide hotline number printed on them. The magnets will be passed out to interested residents at all of the local MS4's stormwater offices as well as at local workshops.

Date: 9/23/2008 ***Responsible Party: Miles Slattery, Project Manager***

Region Wide Hotline Bus Ads

As a part of a SEP, the Stormwater Division had two ads printed (attached) and posted on two County wide buses from 9/23/08 to 3/31/09.

Date: 10/1/2008 ***Responsible Party: Miles Slattery, Project Manager***

2009 Yellow Pages Recycling Guide

In the 'Recycling Guide' section of the yellow pages, advertised the stormwater hotline and webpage to report stormwater issues.

Date: 4/15/2009 ***Responsible Party: Angie Wood, Storm Water Project Manager***

Times Standard Ad - Sustainable Humboldt

Regionwide hotline (877-NCSC-001) ad (attached) was posted in the April 15th 'Sustainable Humboldt' insert of the Times Standard.

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2008-09 Hotline on Webpages

The City of Eureka's hotline number has been advertised on www.eurekastormwater.com all year, and the region wide hotline number has been advertised on the North Coast Stormwater Coalition's webpage, www.humboldtstormwater.org, all year.

Date: 7/1/2009 ***Responsible Party: Miles Slattery, Project Manager***

Region Wide Hotline Bus Ad

As a part of a SEP, the Stormwater Division had an ad printed (attached) and posted on a County wide bus from 7/01/09 to 6/30/10.

Complete Draft Construction BMP Manual

Responsible Party: Miles Slattery, Project Manager

Complete Draft Construction Best Management Practices Manual.

Measurable Goal: Draft BMP Manual.

Start Date: 7/1/2007 End Date: 6/30/2008

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 6/30/2008 ***Responsible Party: Miles Slattery, Project Manager***

Construction BMP Manual

On 01/07/08, the Stormwater Division agreed upon a contract with Winzler and Kelly to develop the City of Eureka Construction BMP Manual. The manual will provide information pertaining to erosion and sediment control instillation and maintenance, pollution prevention measures on construction sites and LID information (benefits, practices, instillation, etc.). Miles was heavily involved in providing input and the preperation of the manual in order to cut down on costs.

On 06/30/08, the draft Construction BMP Manual was delivered.

Complete Draft Stormwater Erosion Control Ordinance

Responsible Party: Miles Slattery, Project Manager

Complete draft Stormwater Erosion Control ordinance.

Measurable Goal: Draft ordinance finalized.

Start Date: 7/1/2006 End Date: 6/30/2007

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 1/12/2007 ***Responsible Party: Miles Slattery, Project Manager***

Draft Erosion Control Ordinance

Miles completed the draft erosion control ordinance and forwarded it to Mike Knight, Assistant City Manager, for review. John Fitzhugh, Deputy Building Official, reviewed the ordinance and returned it to Mike Knight on 03/22/06. The ordinance will now be forwarded to the City Attorney and then to Council.

Continue Building Inspections

Responsible Party: John Fitzhugh, Deputy Building Official

Building Inspection staff to continue inspecting construction sites to ensure proper erosion and sediment controls.

Measurable Goal: Inspect 100% of construction sites.

Start Date: 7/1/2006 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 60 %

Work performed for the BMP listed above

Date: 6/30/2007 ***Responsible Party: John Fitzhugh, Deputy Building Official***

2006-07 Building Inspections

From 07/01/06 to 06/30/07, 100% of construction sites that submitted plans to the City were inspected for proper erosion and sediment controls.

Date: 6/30/2008 ***Responsible Party: John Fitzhugh, Deputy Building Official***
2007-08 Buildiing Inspections
From 07/01/07 to 06/30/08, 100% of construction sites that submitted plans to the City were inspected for proper erosion and sediment controls.

Date: 6/30/2009 ***Responsible Party: John Fitzhugh, Deputy Building Official***
2008-09 Building Inspections
From 07/01/08 to 06/30/09, 100% of construction sites that submitted plans to the City were inspected for proper erosion and sediment controls.

Continue Review of Building & Grading Permits

Responsible Party: Brent Siemer, City Engineer

Building Permit staff to continue review of Building & Grading Permits for construction to ensure proper erosion and sediment controls.

Measurable Goal: Review 100% of Building & Grading Permit applications for sediment and erosion control plans.

Start Date: 7/1/2006 End Date: 6/30/2011
Percentage of work that has been accomplished for this BMP: 60 %

Work performed for the BMP listed above

Date: 6/30/2007 ***Responsible Party: Brent Siemer, City Engineer***
2006-07 Building and Grading Permits
From 07/01/06 to 06/30/07, 100% of building plans submitted to the City were reviewed for erosion and sediment control plans.

Date: 6/30/2008 ***Responsible Party: Miles Slattery, Project Manager***
2007-08 Building and Grading Permits
From 07/01/07 to 06/30/08, 100% of building plans submitted to the City were reviewed for erosion and sediment control plans.

Date: 6/30/2009 ***Responsible Party: John Fitzhugh, Deputy Building Official***
2008-09 Building and Grading Permits
From 07/01/08 to 06/30/08, 100% of building plans submitted to the City were reviewed for erosion and sediment control plans.

Develop & Distribute Outreach Material for Contractors

Responsible Party: Miles Slattery, Project Manager

Develop and distribute outreach materials for developers and contractors such as a flowchart describing the Erosion Control Plan requirements.

Measurable Goal: Outreach materials distributed to 100% of developers / contractors during pre-construction m

Start Date: 7/1/2007 End Date: 6/30/2011
Percentage of work that has been accomplished for this BMP: 50 %

Work performed for the BMP listed above

Date: 6/27/2007 ***Responsible Party: Miles Slattery, Project Manager***
Erosion Control Article
Miles had an article published in the Contractor's Guide of the Wednesday edition of the Times Standard. Discussed erosion and sediment control. Promoted erosion control as 90% effective, but must be used in conjuction with sediment control (article attached).

Date: 11/2/2007 ***Responsible Party: NCSWC Members, Active Members***

Costruction Site Stormwater Management Workshop

The North Coast Stormwater Coaltion sponsored a workshop for construction site stormwater management. The morning session included presentations on construction site BMPs (Craig Benson, RCAA), constructing roadways and driveways (Tyler Ledwith, RCAA) and local ordinance compliance (Miles Slattery, City of Eureka). The afternoon session provided two options. There was hands on erosion and sediment control BMP instillation training or EPA certified construction site stormwater management training. During the workshop, the City of Eureka Construction Site BMP pamphlets (19 BMP pamphlets) were made available to attendees. 91 people attended the conference. 26 attended the BMP instillation training, and 54 attended the stormwater manager training.

Date: 12/4/2007 ***Responsible Party: NCSWC Members, Active Members***

Landscape Design with Stormwater in Mind Conference

The North Coast Stormwater Coaltion sponsored a workshop for landscape professionals and residents. The conference included presentations on local ordinance compliance (Miles Slattery, City of Eureka), the landscape/stormwater connection (Loren Oki, UC Cooperative Extension), creating a balance with IPM (Annie Joseph, OWOW), landscape features that minimize runoff (Loren Oki, UC Cooperative Extension), less toxic lawns and alternatives (Deborah Giraud, UC Cooperative Extension) and sustainable landscape (Donna Wildearth, Wildearth Designs). During the workshop,local nurseries, landscape supply companies and the NCSWC handed out stormwater friendly BMP material and educational material. 72 people attended the conference.

Date: 6/10/2008 ***Responsible Party: Miles Slattery, Project Manager***

Construction Site BMP Pamphlets

The 19 Construction Site BMP Pamphlets were mounted at the Building Department counter where all the pre-construction meetings are held.

Date: 9/9/2008 ***Responsible Party: Miles Slattery, Project Manager***

Erosion Control PSA

The Stormwater Division worked with Lost Coast Communications to develop a PSA (attached) announcing the implementation of the erosion control ordinance that will air on KHUM, KSLG & KWPT. By purchasing 34 :60 spots (6a-7p) on each station you will receive 17 Pubic Service Announcement buy-back spots, making your total 51 spots per station, 153 total. It will play for two weeks (weekdays only) and run from 9/9-9/15 and another from 9/23-9/29, with an average of 5 spots per day.

Date: 9/24/2008 ***Responsible Party: Miles Slattery, Project Manager***

Erosion Control Ordinance Press Release

On 09/24/08, Miles submitted a press release (attached) announcing the adoption and implementation of the erosion control ordinance.

Date: 6/15/2009 ***Responsible Party: Miles Slattery, Project Manager***

Construction BMP Manual Media

Radio spot (attached) announcing the availability of three City of Eureka BMP manuals for stormwater (Regulations, Construction Site BMPs and LID). The manuals include descriptions of local and state stormwater regulations pertaining to construction, instillation and maintenance of construction site BMPs and instillation and maintenance of Low Impact Development for as builts.

The Stormwater Division paid $500 for spots on KGOE, KKHB, KRED, KATA, KFMI, KXGO and KJNY. The radio spot was also forwarded to all local stations and aired fro free. The Stormwater Division received over 100 spots from the paid stations, as well as free airtime from those and other stations the radio spot was sent to. These radio stations have an audience of over 100,000 listeners.

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2008-09 Construction Site BMP Pamphlets

The 19 Construction Site BMP Pamphlets have been mounted for distribution at the Building Department counter where all the pre-construction meetings are held.

Develop Construction & Grading Permit Review Procedures

Responsible Party: Miles Slattery, Project Manager

Building Department to develop construction & grading permit review procedures, including checklists, & educational materials.

Measurable Goal: Review, document, and enforce 100% of permit requirements.

Start Date: 7/1/2007 End Date: 6/30/2009

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 1/1/2008 ***Responsible Party: John Fitzhugh, Deputy Building Official***

Grading and Building Permits

At the begining of 2008, the California Building Code switched from the Uniform Building Code to the International Building Code and mandated that local municipalities follow suit. On January 1st, 2008, the Building Department adopted the International Building Code to regulate grading and building permits. Grading projects involving >50 cu. yards require a grading permit and any building projects require a building permit through the Building Department. Plans need to be submitted for review and approval. Brian Gerving, Plans Examiner, reviews all grading and building permit applications for compliance with the International Building Code. Miles Slattery reviews all grading and building permit applications for compliance with the stormwater ordinance and post construction stormwater management requirements. All building and grading permit reviews are maintained and tracked in TrakIT.

Stormwater educational materials have been made available to contractors at www.eurekastormwater.com and at the Building Department kiosk where pre-construction meetings are held. When the Construction BMP Manual is adopted, it will be made available on-line and at the Building Department kiosk

Date: 5/20/2008 ***Responsible Party: Miles Slattery, Project Manager***

Erosion Control Ordinance

The City Council adopted BILL NO. 783 - Construction Site Erosion Control Ordinance (attached). The ordinance will go into effect 6/20/08. Enforcement will begin in October 2008.

The Stormwater Division is working on PSAs and outreach to contractors about the erosion control ordinance. This will be accomplished over the summer in preparation for promulgation of the ordinance's requirements. When enforcement begins in October 2008, Miles Slattery will review all Erosion Control Permit applications for compliance with the ordinance prior to approving the permit.

Develop Construction Site Inspection Procedures

Responsible Party: Miles Slattery, Project Manager

Public Works to develop construction site inspection procedures, including checklists, educational materials, scheduling for pre-storm and post-storm inspections, and enforcement.

Measurable Goal: Inspect, document, and enforce 100% of construction sit

Start Date: 7/1/2007 End Date: 6/30/2009

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 6/27/2008 ***Responsible Party: John Fitzhugh, Deputy Building Official***

Construction Site Stormwater Inspections

On 06/27/08, Miles met with John Fitzhugh to discuss the implementation of the erosion control ordinance and ensuring compliance. Beginning in October 2008, a new record will be created in TrackIT for each building permit called 'Stormwater'. The Building Inspector will inspect the site for compliance with their Erosion Control Permit each time they're at the site for other inspections. The signed Erosion Control Permit Application will serve as the permit and also as a checklist for the inspector. If the site is out of compliance, the Building Inspector will write a Correction Notice to the contractor and notify Miles to take action. These referrals will be documented in the 'Construction Projects' module of ASIST. Contractors/Owners wil be given ample time to rectify the problems. If they are non-responsive, an administrative fine will be issued. If they are still non-responsive, the City will take care of the issue and bill the contractor/owner for the cost of abatement as is stated in the erosion control ordinance. During pre-site visit, the Plan Review Specialist will notify applicants whether or not they need to submit an Erosion Control Permit Application. Building inspections that discover sites that should have an application submitted but don't will result in a stop work order until the application is submitted.

The City only has two building inspectors and their workload is already full. We do not have the staff necessary to inspect all sites pre and post storms. That is why the Stormwater Division had training for all Public Works field crews, who are out in the field every day throughout the City, so that they can notify the Stormwater Division of any sediment discharges. These referrals are documented in the 'Citizen Call' module of ASIST.

To help contractors stay in compliance, stormwater educational materials have been made available to contractors at www.eurekastormwater.com and at the Building Department kiosk where pre-construction meetings are held. When the Construction BMP Manual is adopted, it will be made available on line and at the Building Department kiosk.

Establish Stormwater Hotline

Responsible Party: Miles Slattery, Project Manager

Measurable Goal: Dedicated phone number established for use as stormwater hotline.

Start Date: 7/1/2006 End Date: 6/30/2007

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 5/15/2006 ***Responsible Party: Miles Slattery, Project Manager***

Stormwater Hotline

Established storm water hotline - 707.441.4192. Answered by Susan Hutchison and Pearl Mendoza, Public Works Administrative Assistants.

Date: 7/31/2008 ***Responsible Party: Miles Slattery, Project Manager***

Region Wide Hotline Number

As a part of a SEP, the City of Eureka has established a region wide hotline number for all the MS4s in Humboldt County (1.877.NCSC001). The number will have a call navigator system that will prompt the caller to direct the call to the appropriate MS4's hotline.

Date: 9/17/2008 ***Responsible Party: Miles Slattery, Project Manager***

Magnets

The Stormwater Division purchased 3,000 refrigerator magnets (attached) for distrubution at local events and workshops sponsored by the NCSC and Stormwater Division as a part of a SEP for the City.

Information on Construction BMP Manual in PSAs

Responsible Party: Miles Slattery, Project Manager

Include information on the BMP Manual in public service announcements.

Measurable Goal: Information on the BMP Manual included in at least 1 public service announcement.

Start Date: 7/1/2009 End Date: 6/30/2010

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 6/15/2009 ***Responsible Party: Miles Slattery, Project Manager***

Construction BMP Manual Media

Radio spot (attached) announcing the availability of three City of Eureka BMP manuals for stormwater (Regulations, Construction Site BMPs and LID). The manuals include descriptions of local and state stormwater regulations pertaining to construction, instillation and maintenance of construction site BMPs and instillation and maintenance of Low Impact Development for as builts.

The Stormwater Division paid $500 for spots on KGOE, KKHB, KRED, KATA, KFMI, KXGO and KJNY. The radio spot was also forwarded to all local stations and aired fro free. The Stormwater Division received over 100 spots from the paid stations, as well as free airtime from those and other stations the radio spot was sent to. These radio stations have an audience of over 100,000 listeners.

Information on Stormwater Erosion Control Ordinance in PSAs

Responsible Party: Miles Slattery, Project Manager

Include information on the stormwater erosion control ordinance in public service announcements.

Measurable Goal: Information on the stormwater erosion control ordinance included in at least 1 public service announcement.

Start Date: 7/1/2007 End Date: 6/30/2009

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 6/27/2007 ***Responsible Party: Miles Slattery, Project Manager***

Erosion Control Article

Miles had an article published in the Contractor's Guide of the Wednesday edition of the Times Standard. Discussed erosion and sediment control. Promoted erosion control as 90% effective, but must be used in conjuction with sediment control (article attached).

Date: 5/7/2008 ***Responsible Party: Miles Slattery, Project Manager***

KHUM 104.3 Coastal Currents

Miles was a guest on KHUM 104.3's Coastal Currents. Miles discussed the upcoming Mayday Community Clean Up, the North Coast Stormwater Coalition, the upcoming region wide hotline number and the City's recently approved Construction Site Erosion Control Ordinance. Audio is attached.

Date: 9/9/2008 ***Responsible Party: Miles Slattery, Project Manager***

Erosion Control PSA

The Stormwater Division worked with Lost Coast Communications to develop a PSA (attached) announcing the implementation of the erosion control ordinance that will air on KHUM, KSLG & KWPT. By purchasing 34 :60 spots (6a-7p) on each station you will receive 17 Pubic Service Announcement buy-back spots, making your total 51 spots per station, 153 total. It will play for two weeks (weekdays only) and run from 9/9-9/15 and another from 9/23-9/29, with an average of 5 spots per day.

Date: 9/24/2008 ***Responsible Party: Miles Slattery, Project Manager***
Erosion Control Ordinance Press Release
On 09/24/08, Miles submitted a press release (attached) announcing the adoption and implementation of the erosion control ordinance. He also e-mailed KIEM News Channel 3 the press release.

Oversee Enforcement of Construction BMP Manual

Responsible Party: Miles Slattery, Project Manager

Oversee implementation of BMP Manual.

Measurable Goal: Enforce 100% of implementation of BMP Manual.

Start Date: 7/1/2008 End Date: 6/30/2011
Percentage of work that has been accomplished for this BMP: 33 %

Work performed for the BMP listed above

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***
2008-09 Enforcement
Enforcement of the BMP Manual is done through Building Department inspections and erosion control ordinance enforcement. All erosion control permit applications were attached to their building permit number in the 'Contruction Project' module of ASIST. All inpections resulting in issues were forwarded to the Stormwater Division. The Stormwater Division documents the issues in ASIST's 'Construction Project' module under the permit number.

Oversee Enforcement of Stormwater Erosion Control Ordinance

Responsible Party: Miles Slattery, Project Manager

Oversee implementation and enforcement of ordinance.

Measurable Goal: Enforce 100% of observed illicit discharges.

Start Date: 7/1/2007 End Date: 6/30/2011
Percentage of work that has been accomplished for this BMP: 50 %

Work performed for the BMP listed above

Date: 6/30/2008 ***Responsible Party: Miles Slattery, Project Manager***
2007-08 Enforcement
Enforcement of the erosion control ordinance will not be in effect until October 2008. However, the stormwater management and discharge control ordinance has been 100% enforced throughout this permit term, which includes many responses to construction sites regarding sediment discharges (see 'Citizen Call' module of ASIST). An administrative fine issued to Danco on 02/04/08 (see 'Citizen Call' module of ASIST, SW-0065 on 01/31/08).

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***
2008-09 Enforcement
Enforcement of the erosion control ordinance went into effect in October 2008. All erosion control permit applications were attached to their building permit number in the 'Construction Project' module of ASIST. Inspections that resulted in a report of sediment discharges were forwarded to the Stormwater Division for follow up.

Present Construction BMP Manual

Responsible Party: Miles Slattery, Project Manager

Present BMP Manual to City Council for adoption.

Measurable Goal: BMP Manual adopted.

Start Date: 7/1/2008 End Date: 6/30/2009

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 6/1/2009 ***Responsible Party: Miles Slattery, Project Manager***

BMP Manuals

With the assistance from Winzler and Kelly, the Stormwater Division created three construction BMP manuals, the Construction Stormwater Regulations Manual, the Construction BMP Manual and the Construction LID Manual. All three of the manuals were approved and adopted by City Council on July 7, 2009.

Miles created a section on the Stormwater Division's webpage for BMP Manuals to be posted. He posted the three construction site BMP manuals on the page. When the Integrated Pesticide, Herbicide and Fertilizer Management Plan and Pollution Prevention and Good Housekeeping manuals are finalized, they will be posted as well.

Present Stormwater Erosion Control Ordinance

Responsible Party: Miles Slattery, Project Manager

Present ordinance to City Council.

Measurable Goal: Storm water ordinance adopted.

Start Date: 7/1/2007 End Date: 6/30/2008

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 5/6/2008 ***Responsible Party: Miles Slattery, Project Manager***

Erosion Control Ordinance Approved

Mike Knight, Assistant City Manager, presented the Costruction Site Erosion Control Ordinance to the City Council. The Council approved the ordinance. Ordinance attached.

Date: 5/20/2008 ***Responsible Party: Miles Slattery, Project Manager***

Erosion Control Ordinance Adopted

The City Council adopted BILL NO. 783 - Construction Site Erosion Control Ordinance (attached). The ordinance will go into effect 6/20/08. Enforcement will begin in October 2008.

The Stormwater Division is working on PSAs and outreach to contractors about the erosion control ordinance. This will be accomplished over the summer in preparation for promulgation of the ordinance's requirements.

Date: 9/11/2008 ***Responsible Party: Miles Slattery, Project Manager***

Erosion Control Permit Application

Created a link under 'Stormwater Ordinances' associated with the 'Construction Site Erosion Control Ordinance' for the Erosion Control Permit Application. Contractors now have access to it without having to come to the Building Department.

Review Construction BMP Manual

Responsible Party: Sheryl Schaffner, City Attorney

City Attorney and City Engineer to review Draft BMP Manual.

Measurable Goal: BMP Manual reviewed and revised.

Start Date: 7/1/2007 End Date: 6/30/2008

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 7/11/2008 ***Responsible Party: Miles Slattery, Project Manager***

Stormwater Division Review

By 07/11/08, Miles reviewed the Construction BMP Manual and returned it to Winzler and Kelly for significant modification. Over the following three weeks, through multiple revisions, the draft was approved by the Stormwater Division. On 08/07/08, Miles forwarded the manual to Engineering, Community Development and Building for review and training. Their comments are due back to the Stormwater Division before the end of August so that it is finalized prior to advertising the erosion control ordinance through PSAs in September. This will coincide with the beginning enforcement of the erosion control ordinance in October 2008.

Date: 9/1/2008 ***Responsible Party: Miles Slattery, Project Manager***

BMP Manual Review

With the assistance from Winzler and Kelly, the Stormwater Division created three construction BMP manuals, the Construction Stormwater Regulations Manual, the Construction BMP Manual and the Construction LID Manual. City of Eureka engineering, community development, city attorney and public works departments reviewed them, as well as the North Coast Regional Water Quality Control Board. All three of the manuals were approved and adopted by City Council on July 7, 2009.

Miles created a section on the Stormwater Division's webpage for BMP Manuals to be posted. He posted the three construction site BMP manuals on the page. When the Integrated Pesticide, Herbicide and Fertilizer Management Plan and Pollution Prevention and Good Housekeeping manuals are finalized, they will be posted as well.

Review Stormwater Erosion Control Ordinance

Responsible Party: Sheryl Schaffner, City Attorney

City Attorney and City Engineer to review stormwater ordinance.

Measurable Goal: Stormwater ordinance reviewed and revised.

Start Date: 7/1/2006 End Date: 6/30/2007

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 3/22/2007 ***Responsible Party: Mike Knight, Assistant City Manager***

Erosion Control Ordinance Review

Miles completed the draft erosion control ordinance and forwarded it to Mike Knight, Assistant City Manager, Brent Siemer, City Engineer, and Lisa Shikany, Environmental Planner, for review. John Fitzhugh, Deputy Building Official, reviewed the ordinance and returned it to Mike Knight on 03/22/06. Brent reviewed and approved the ordinance. Lisa made comments, and they were considered. The ordinance will now be forwarded to the City Attorney and then to Council.

Date: 11/28/2007 ***Responsible Party: Sheryl Schaffner, City Attorney***

Erosion Control Ordinance Review by City Attorney

Sheryl Schaffner, City Attorney, reviewed the erosion control ordinance and met with Miles Slattery, Project Manager, and Mike Knight, Assistant City Manager on 11/28/07. Sheryl's edits and additions were reviewed and amended to the erosion control ordinance.

Review Stormwater Hotline Complaints

Responsible Party: Miles Slattery, Project Manager

Review the types of complaints to determine areas of concern to be targeted for outreach and additional monitoring. Perform additional outreach, monitoring, and maintenance as necessary.

Measurable Goal: Areas of concern identified and additional outre

Start Date: 7/1/2007 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 50 %

Work performed for the BMP listed above

Date: 6/30/2008 ***Responsible Party: Miles Slattery, Project Manager***

2007-08 Complaint Logs

Miles Slattery reviewed the complaints logs in the 'Citizen Call' module of ASIST during the 2007-08 permit year. The most frequent complaints were about construction activities, restaurants and car washing.

To address construction activities, the Stormwater Division developed 19 construction BMP pamhplets, held two workshops ('Paving the Way for Rain' and 'Construction Site Stormwater Management'), adopted an erosion control ordinance (Oct. '08 implementation) and completed the draft Construction Site BMP Manual (under review).

To address the restaurant industry, the Stomrwater Division created a BMP manual that has been and will be passed out to restaurants that have had a complaint filed against them. Also, the NCSC is working on creating a BMP placard to be distributed to local area restaurants as a form of public education and outreach that can be displayed in the kitchen areas.

To address the nutrient levels, the NCSWC has contacted local area fundraising car washes and changed their locations, the type of soap used and are looking into installing filters at locations known to host car washing events. The Stormwater Division has stopped fundraising washes at inappropriate locations like the Shell Gas Station on Myrtle (see 'Citizen Call' module) and responds to complaints of washes at inappropriate locations.

Miles also has been working car dealerships to install BMPs to prevent soapy discharges from leaving their property (see 'Citizen Call' module)

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2008-09 Complaint Logs

Miles Slattery reviewed the complaints logs in the 'Citizen Call' module of ASIST during the 2008-09 permit year. The most frequent complaints were about construction activities, restaurants and car washing.

To address construction activities, the Stormwater Division developed 19 construction BMP pamhplets, adopted an erosion control ordinance and adopted the three Construction BMP Manuals.

Miles,working with Humboldt Baykeeper, added TSS as an analyte of interest in their monitoring. The Stormwater Division and Humboldt Baykeeper also implemented quarterly TSS sampling in our local waterways.

Track Erosion Control Plans

Responsible Party: Miles Slattery, Project Manager

Track the proportion of erosion control plans submitted that meet the city's new standards for erosion control.

Measurable Goal: Evaluate the results and determine if additional education and outreach to developers and contractors is needed; Conduct a

Start Date: 7/1/2008 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 33 %

Work performed for the BMP listed above

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2008-09 Tracking

For permit year 2008-09, all erosion control permit applications were attached to their building permit number in the 'Contruction Project' module of ASIST. Those projects that were inspected and found to be in violation of the erosion control ordinance, were addressed. The issue was entered in the 'Contruction Project' module of ASIST and followed up by the Stormwater Division . The contractor or foreman on site was notified and given opportunity to rectify the issue. If the issue was not resolved, then fines were administered.

Tracking Mechanism for Stormwater Hotline

Responsible Party: Miles Slattery, Project Manager

Establish tracking mechanism for use by Hotline Operator to track complaint and action taken.

Measurable Goal: Tracking mechanism in place.

Start Date: 7/1/2006 End Date: 6/30/2007

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 5/15/2006 ***Responsible Party: Miles Slattery, Project Manager***

ASIST

Hotline operator, Susan Hutchison, enters stormwater hotline complaint into the already existing Public Works' Trackit software as a storm water issue. All storm water issues in Trackit are forwarded to Miles Slattery, Project Manager Stormwater Division, via Trackit. Miles documents the complaint and action taken into the ASIST database. All hotline complaints are then reported using ASIST.

Train City Staff on Erosion Control Ordinance & Construction BMP Manual

Responsible Party: Miles Slattery, Project Manager

Provide in-house training during staff review committee meetings regarding new erosion control ordinance requirements and BMP Manual to appropriate Public Works, Building, and Planning Department staff involved with plan review, approval, and construction

Start Date: 7/1/2007 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 50 %

Work performed for the BMP listed above

Date: 3/22/2007 ***Responsible Party: Mike Knight, Assistant City Manager***

Erosion Control Ordinance Review

Miles completed the draft erosion control ordinance and forwarded it to Mike Knight, Assistant City Manager, Brent Siemer, City Engineer, and Lisa Shikany, Environmental Planner, for review. John Fitzhugh, Deputy Building Official, reviewed the ordinance and returned it to Mike Knight on 03/22/06. Brent reviewed and approved the ordinance. Lisa made comments, and they were considered. This review process also provided training for staff involved with plan review, approval, and construction site inspections.The ordinance will now be forwarded to the City Attorney and then to Council.

Date: 11/2/2007 ***Responsible Party: NCSWC Members, Active Members***

Construction Site Stormwater Management Workshop

The North Coast Stormwater Coaltion sponsored a workshop for construction site stormwater management. The morning session included presentations on construction site BMPs (Craig Benson, RCAA), constructing roadways and driveways (Tyler Ledwith, RCAA) and local ordinance compliance (Miles Slattery, City of Eureka). The afternoon session provided two options. There was hands on erosion and sediment control BMP instillation training or EPA certified construction site stormwater management training. Public Works field crew attended the conference and the BMP instillation training.

Date: 1/11/2008 ***Responsible Party: Miles Slattery, Project Manager***

Parks, Facilities, Harbor Ordinance Training

Miles presented a power point presentation and training video for the Parks and Recreation Department. The power point gave an overview of the Stormwater Division and information about the stormwater and erosion control ordinances. The presentation explained what is considered a violation of the ordinances and how to report them to the appropriate personnel. The video provided examples of BMPs for municipal operations and information on how to detect illicit discharges. 16 staff members were in attendance.

Date: 4/11/2008 ***Responsible Party: Miles Slattery, Project Manager***

Streets-Alleys, WW Collection and Water Distribution Ordinance Training

Miles presented a power point presentation and training video for the Streets/Alleys, Wastewater Collection and Water Distribution Divisions Department. The power point gave an overview of the Stormwater Division and information about the stormwater and erosion control ordinances. The presentation explained what is considered a violation of the ordinances and how to report them to the appropriate personnel. The video provided examples of BMPs for municipal operations and information on how to detect illicit discharges. 17 staff members were in attendance.

Date: 5/8/2008 ***Responsible Party: NCSWC Members, Active Members***

IDDE Training

Winzler and Kelly, local engineering consultants, presented training on the IDDE component of Phase II permits. The training discussed program development, illicit connections, finding illicit connections (dye, smoke and video testing) and fixing illicit connections. Justin Boyes, Source Control Supervisor, and Miles Slattery attended.

Date: 6/27/2008 ***Responsible Party: Miles Slattery, Project Manager***

Building Department Erosion Control Ordinance Training

The Building Department will be the only other City Department dealing with the implimentation of the erosion control ordinance. So Miles met with John Fitzhugh to discuss its implimentation.

On 06/27/08, Miles met with John Fitzhugh, Deputy Building Official, to discuss the implementation of the erosion control ordinance and ensuring compliance. Beginning in October 2008, a new record will be created in TrackIT for each building permit called 'Stormwater'. The Building Inspector will inspect the site for compliance with their Erosion Control Permit each time they're at the site for other inspections. The signed Erosion Control Permit Application will serve as the permit and also as a checklist for the inspector. If the site is out of compliance, the Building Inspector will notify Miles to take action. These referrals will be documented in the 'Construction Projects' module of ASIST. Contractors/Owners will be given ample time to rectify the problems. If they are non-responsive, an administrative fine will be issued. If they are still non-responsive, the City will take care of the issue and bill the contractor/owner for the cost of abatement as is stated in the erosion control ordinance. Our Building Inspectors already are aware of proper instillation and maintenance of sediment and erosion control measures through previous training and work experience

Date: 8/7/2008 ***Responsible Party: Miles Slattery, Project Manager***

Construction BMP Manual Training

On 08/07/08, Miles forwarded the Construction BMP Manual to Engineering, Community Development and Building for review and training. Staff has been directed to go over the manual and contact Miles with any questions or comments. The Engineering and Building Department staff already are aware of proper instillation and maintenance of sediment and erosion control measures through previous training and work experience. Community Development will not be responsible for plan review or inspections of erosion and sediment control.

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2008-09 Training

All Stormwater Division and Building Department staff employed during this permit year have been trained on erosion control ordinance enforcement.

Post-Construction Stormwater Management

Details of BMPs and Work Performed for Them

Complete Draft Construction BMP Manual

Responsible Party: Miles Slattery, Project Manager

Complete Draft Construction Best Management Practices Manual.

Measurable Goal: Draft BMP Manual.

Start Date: 7/1/2007 End Date: 6/30/2008

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 6/30/2008 ***Responsible Party: Miles Slattery, Project Manager***

Construction BMP Manual

On 01/07/08, the Stormwater Division agreed upon a contract with Winzler and Kelly to develop the City of Eureka Construction BMP Manual. The manual will provide information pertaining to erosion and sediment control instillation and maintenance, pollution prevention measures on construction sites and LID information (benefits, practices, instillation, etc.). Miles was heavily involved in providing input and the preperation of the manual in order to cut down on costs.

On 06/30/08, the draft Construction BMP Manual was delivered.

Complete Draft Stormwater Erosion Control Ordinance

Responsible Party: Miles Slattery, Project Manager

Complete draft Stormwater Erosion Control ordinance.

Measurable Goal: Draft ordinance finalized.

Start Date: 7/1/2006 End Date: 6/30/2007

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 1/12/2007 ***Responsible Party: Miles Slattery, Project Manager***

Draft Erosion Control Ordinance

Miles completed the draft erosion control ordinance and forwarded it to Mike Knight, Assistant City Manager, for review. John Fitzhugh, Deputy Building Official, reviewed the ordinance and returned it to Mike Knight on 03/22/06. The ordinance will now be forwarded to the City Attorney and then to Council.

Develop & Distribute Outreach Material for Contractors

Responsible Party: Miles Slattery, Project Manager

Develop and distribute outreach materials for developers and contractors on structural BMP operation & maintenance requirements.

Measurable Goal: Outreach materials distributed to 100% of developers / contractors during pre-construction meetings.

Start Date: 7/1/2008 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 33 %

Work performed for the BMP listed above

Date: 6/27/2007 ***Responsible Party: Miles Slattery, Project Manager***

Erosion Control Article

Miles had an article published in the Contractor's Guide of the Wednesday edition of the Times Standard. Discussed erosion and sediment control. Promoted erosion control as 90% effective, but must be used in conjuction with sediment control (article attached).

Date: 11/2/2007 ***Responsible Party: NCSWC Members, Active Members***

Construction Site Stormwater Management Workshop

The North Coast Stormwater Coaltion sponsored a workshop for construction site stormwater management. The morning session included presentations on construction site BMPs (Craig Benson, RCAA), constructing roadways and driveways (Tyler Ledwith, RCAA) and local ordinance compliance (Miles Slattery, City of Eureka). The afternoon session provided two options. There was hands on erosion and sediment control BMP instillation training or EPA certified construction site stormwater management training. During the workshop, the City of Eureka Construction Site BMP pamphlets (19 BMP pamphlets) were made available to attendees. 91 people attended the conference. 26 attended the BMP instillation training, and 54 attended the stormwater manager training.

Date: 12/4/2007 ***Responsible Party: NCSWC Members, Active Members***

Landscape Design with Stormwater in Mind

The North Coast Stormwater Coaltion sponsored a workshop for landscape professionals and residents. The conference included presentations on local ordinance compliance (Miles Slattery, City of Eureka), the landscape/stormwater connection (Loren Oki, UC Cooperative Extension), creating a balance with IPM (Annie Joseph, OWOW), landscape features that minimize runoff (Loren Oki, UC Cooperative Extension), less toxic lawns and alternatives (Deborah Giraud, UC Cooperative Extension) and sustainable landscape (Donna Wildearth, Wildearth Designs). During the workshop,local nurseries, landscape supply companies and the NCSWC handed out stormwater friendly BMP material and educational material. 72 people attended the conference.

Date: 6/10/2008 ***Responsible Party: Miles Slattery, Project Manager***

Construction Site BMP Pamphlets

The 19 Construction Site BMP Pamphlets were mounted at the Building Department counter where all the pre-construction meetings are held.

Date: 9/9/2008 ***Responsible Party: Miles Slattery, Project Manager***

Erosion Control PSA

The Stormwater Division worked with Lost Coast Communications to develop a PSA (attached) announcing the implementation of the erosion control ordinance that will air on KHUM, KSLG & KWPT. By purchasing 34 :60 spots (6a-7p) on each station you will receive 17 Pubic Service Announcement buy-back spots, making your total 51 spots per station, 153 total. It will play for two weeks (weekdays only) and run from 9/9-9/15 and another from 9/23-9/29, with an average of 5 spots per day.

Date: 9/24/2008 ***Responsible Party: Miles Slattery, Project Manager***

Erosion Control Ordinance Press Release

On 09/24/08, Miles submitted a press release (attached) announcing the adoption and implementation of the erosion control ordinance.

Date: 6/15/2009 ***Responsible Party: Miles Slattery, Project Manager***

Construction BMP Manual Media

Radio spot (attached) announcing the availability of three City of Eureka BMP manuals for stormwater (Regulations, Construction Site BMPs and LID). The manuals include descriptions of local and state stormwater regulations pertaining to construction, instillation and maintenance of construction site BMPs and instillation and maintenance of Low Impact Development for as builts.

The Stormwater Division paid $500 for spots on KGOE, KKHB, KRED, KATA, KFMI, KXGO and KJNY. The radio spot was also forwarded to all local stations and aired fro free. The Stormwater Division received over 100 spots from the paid stations, as well as free airtime from those and other stations the radio spot was sent to. These radio stations have an audience of over 100,000 listeners.

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2008-09 Construction Site BMP Pamphlets

The 19 Construction Site BMP Pamphlets have been mounted for distribution at the Building Department counter where all the pre-construction meetings are held.

Develop a Program to Inspect and Enforce Construction BMPs

Responsible Party: Miles Slattery, Project Manager

Coordinate with City's Pre-Treatment Coordinator to develop a program to inspect and enforce the ordinance requirements for property owners of existing and new developments to monitor and maintain source and treatment control BMPs.

Measurable Goal: All

Start Date: 7/1/2007 End Date: 6/30/2008

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 6/2/2008 ***Responsible Party: Miles Slattery, Project Manager***

Private Stormwater Treatment System Agreements

The Stormwater Division modified the Engineering Department's 'Oil and Water Seperator Maintenance Agreements' to be used for stormwater treatment systems (drain inlet filters, and other mechanical filters). They are signed and notarized by the property owners. They are recorded with Humboldt County so that the agreements are effective if and when ownership changes (example is attached).

The Stormwater Division is working on modifying the agreement so that they can be used for natural treatment systems.

Because of budget and staffing issues, inspections of these system can not be established on a routine basis. Property owners are being held responsible for mainenance through the agreements. Site visits through source control inspections will be used as inspections of the systems when feasible.

Develop Post-Construction BMP Program

Responsible Party: Miles Slattery, Project Manager

Develop a post-construction BMP maintenance program for future post-construction BMPs on City owned properties.

Measurable Goal: Program developed and implemented that identifies post-construction BMPs on City owned properties and schedules for operati

Start Date: 7/1/2009 End Date: 6/30/2010

Percentage of work that has been accomplished for this BMP: 0 %

Work performed for the BMP listed above

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2008-09 LID BMP Program

Post construction BMP maintenance is regulated through maintenance agreements between the City and the property owner or leasee. Maintenance agreements for inlet filter and cartridge filters have been developed by the Stormwater Division. Thay are signed and notarized by a Stormwater Division staff member, the City Attorney and the property owner or leasee. These records are recorded and tracked in ASIST's 'Stomrwater Facilities/ LID Project' module. The Stormwater Division is working on maintenance agreements for vegetated swales, bioretention filters, pervious pavement and other infiltration/retention BMPs. The program will not be in full operation until the other maintenance agreements are developed and approved.

Enforce Watercourse Provisions of Stormwater Ordinance

Responsible Party: Miles Slattery, Project Manager

Respond to complaints received on Stormwater Hotline & through routine construction inspection or maintenance and enforce watercourse provisions of stormwater ordinance.

Measurable Goal: 100% response to complaints on watercourse impacts.

Start Date: 7/1/2007 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 50 %

Work performed for the BMP listed above

Date: 6/30/2008 ***Responsible Party: Miles Slattery, Project Manager***

2007-08 Hotline Complaints and Construction Site Inspections

All hotline complaints and construction site inspection referrals related to watercourse protection were responded to and addressed. These watercourse porotection responses have been maintained and tracked in the 'Citizen Call' module.

In October 2008 (when the erosion control ordinance is enforced), the referrals from construction site inspections will be maintained and tracked in the 'Construction Projects' module.

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2008-09 Hotline Complaints and Construction Site Inspections

All hotline complaints and construction site inspection referrals related to watercourse protection were responded to and addressed. These watercourse porotection responses have been maintained and tracked in the 'Citizen Call' module.

In October 2008 (when the erosion control ordinance is enforced), the referrals from construction site inspections will be maintained and tracked in the 'Construction Projects' module.

Information on Construction BMP Manual in PSAs

Responsible Party: Miles Slattery, Project Manager

Include information on the BMP Manual in public service announcements.

Measurable Goal: Information on the BMP Manual included in at least 1 public service announcement.

Start Date: 7/1/2008 End Date: 6/30/2009

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 6/15/2009 ***Responsible Party: Miles Slattery, Project Manager***

Construction BMP Manual Media

Radio spot (attached) announcing the availability of three City of Eureka BMP manuals for stormwater (Regulations, Construction Site BMPs and LID). The manuals include descriptions of local and state stormwater regulations pertaining to construction, instillation and maintenance of construction site BMPs and instillation and maintenance of Low Impact Development for as builts.

The Stormwater Division paid $500 for spots on KGOE, KKHB, KRED, KATA, KFMI, KXGO and KJNY. The radio spot was also forwarded to all local stations and aired fro free. The Stormwater Division received over 100 spots from the paid stations, as well as free airtime from those and other stations the radio spot was sent to. These radio stations have an audience of over 100,000 listeners.

Information on Stormwater Erosion Control Ordinance in PSAs

Responsible Party: Miles Slattery, Project Manager

Include information on the stormwater ordinance in public service announcements.

Measurable Goal: Information on the stormwater ordinance included in at least 1 public service announcement.

Start Date: 7/1/2007 End Date: 6/30/2009

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 5/7/2008 ***Responsible Party: Miles Slattery, Project Manager***

KHUM 104.3 Coastal Currents

Miles was a guest on KHUM 104.3's Coastal Currents. Miles discussed the upcoming Mayday Community Clean Up, the North Coast Stormwater Coalition, the upcoming region wide hotline number and the City's recently approved Construction Site Erosion Control Ordinance. Audio is attached.

Date: 9/9/2008 ***Responsible Party: Miles Slattery, Project Manager***

Erosion Control PSA

The Stormwater Division worked with Lost Coast Communications to develop a PSA (attached) announcing the implementation of the erosion control ordinance that will air on KHUM, KSLG & KWPT. By purchasing 34 :60 spots (6a-7p) on each station you will receive 17 Pubic Service Announcement buy-back spots, making your total 51 spots per station, 153 total. It will play for two weeks (weekdays only) and run from 9/9-9/15 and another from 9/23-9/29, with an average of 5 spots per day.

Date: 9/24/2008 ***Responsible Party: Miles Slattery, Project Manager***

Erosion Control Ordinance Press Release

On 09/24/08, Miles submitted a press release (attached) announcing the adoption and implementation of the erosion control ordinance. He also e-mailed KIEM News Channel 3 the press release.

Inspect BMPs on Existing & New Developments

Responsible Party: Miles Slattery, Project Manager

Inspect BMPs on existing and new developments & enforce ordinance requirements. Track the inspection & maintenance of structural BMPs.

Measurable Goal: 100% inspection of existing and new structural BMPs. Evaluate the results and determine if additiona

Start Date: 7/1/2008 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 33 %

Work performed for the BMP listed above

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2008-09 BMP Inspections for Development

Post construction BMP maintenance is regulated through maintenance agreements between the City and the property owner or leasee. Maintenance agreements for inlet filter and cartridge filters have been developed by the Stormwater Division. Thay are signed and notarized by a Stormwater Division staff member, the City Attorney and the property owner or leasee. These records are recorded and tracked in ASIST's 'Stomrwater Facilities/ LID Project' module. The Stormwater Division is working on maintenance agreements for vegetated swales, bioretention filters, pervious pavement and other infiltration/retention BMPs.

Due to staffing issues, inspections of these facilities will be incorporated into other inspections being performed by our Source Control Division, Public Works staff drive-bys and complaint driven. If, upon inspection, the facility has not been properly maintained, the Stormwater Division will have the isuue resolved.

Oversee Enforcement of BMP Manual

Responsible Party: Miles Slattery, Project Manager

Oversee implementation of BMP Manual.

Measurable Goal: Enforce 100% of implementation of BMP Manual.

Start Date: 7/1/2008 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 33 %

Work performed for the BMP listed above

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2008-09 Enforcement

Enforcement of the BMP Manual is done through Building Department inspections and erosion control ordinance enforcement. All erosion control permit applications were attached to their building permit number in the 'Contruction Project' module of ASIST. All inpections resulting in issues were forwarded to the Stormwater Division. The Stormwater Division documents the issues in ASIST's 'Construction Project' module under the permit number.

Oversee Enforcement of Stormwater Erosion Control Ordinance

Responsible Party: Miles Slattery, Project Manager

Oversee implementation and enforcement of ordinance.

Measurable Goal: Enforce 100% of observed illicit discharges.

Start Date: 7/1/2007 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 50 %

Work performed for the BMP listed above

Date: 6/30/2008 ***Responsible Party: Miles Slattery, Project Manager***

2007-08 Enforcement

Because of the late adoption of the ordinance, 05/20/08, enforcement will not begin until October 2008. This will give the Stormwater Division time to advertise the ordinance through PSAs and complete the BMP manual to provide contractor's with the tools necessary to comply.

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2008-09 Enforcement

Enforcement of the erosion control ordinance went into effect in October 2008. All erosion control permit applications were attached to their building permit number in the 'Contruction Project' module of ASIST. Inspections that resulted in a report of sediment discharges were forwarded to the Stormwater Division for follow up.

Present Construction BMP Manual

Responsible Party: Miles Slattery, Project Manager

Present BMP Manual to City Council for adoption.

Measurable Goal: BMP Manual adopted.

Start Date: 7/1/2008 End Date: 6/30/2009

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 6/1/2009 ***Responsible Party: Miles Slattery, Project Manager***

BMP Manuals

With the assistance from Winzler and Kelly, the Stormwater Division created three construction BMP manuals, the Construction Stormwater Regulations Manual, the Construction BMP Manual and the Construction LID Manual. All three of the manuals were approved and adopted by City Council on July 7, 2009.

Miles created a section on the Stormwater Division's webpage for BMP Manuals to be posted. He posted the three construction site BMP manuals on the page. When the Integrated Pesticide, Herbicide and Fertilizer Management Plan and Pollution Prevention and Good Housekeeping manuals are finalized, they will be posted as well.

Present Stormwater Erosion Control Ordinance

Responsible Party: Miles Slattery, Project Manager

Present ordinance to City Council.

Measurable Goal: Stormwater ordinance adopted.

Start Date: 7/1/2007 End Date: 6/30/2008

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 5/6/2008 ***Responsible Party: Miles Slattery, Project Manager***

Erosion Control Ordinance Approved

Mike Knight, Assistant City Manager, presented the Costruction Site Erosion Control Ordinance to the City Council. The Council approved the ordinance. Ordinance attached.

Date: 5/20/2008 ***Responsible Party: Miles Slattery, Project Manager***

Erosion Control Ordinance Adopted

The City Council adopted BILL NO. 783 - Construction Site Erosion Control Ordinance (attached). The ordinance will go into effect 6/20/08. Enforcement will begin in October 2008.

The Stormwater Division is working on PSAs and outreach to contractors about the erosion control ordinance. This will be accomplished over the summer in preparation for promulgation of the ordinance's requirements.

Date: 9/11/2008 ***Responsible Party: Miles Slattery, Project Manager***

Erosion Control Permit Application

Created a link under 'Stormwater Ordinances' associated with the 'Construction Site Erosion Control Ordinance' for the Erosion Control Permit Application. Contractors now have access to it without having to come to the Building Department.

Review Complaints & Perform Outreach and Monitoring

Responsible Party: Miles Slattery, Project Manager

Review the types of complaints to determine areas of concern to be targeted for outreach and additional monitoring. Perform additional outreach & monitoring as necessary.

Measurable Goal: Areas of concern identified and additional outreach & monitoring

Start Date: 7/1/2007 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 50 %

Work performed for the BMP listed above

Date: 6/30/2008 ***Responsible Party: Miles Slattery, Project Manager***

2007-08 Complaint Logs

Miles Slattery reviewed the complaints logs in the 'Citizen Call' module of ASIST during the 2007-08 permit year. The most frequent complaints were about construction activities, restaurants and car washing.

To address construction activities, the Stormwater Division developed 19 construction BMP pamhplets, held two workshops ('Paving the Way for Rain' and 'Construction Site Stormwater Management'), adopted an erosion control ordinance (Oct. '08 implementation) and completed the draft Construction Site BMP Manual (under review).

Miles is working with Baykeeper to add TSS as an analyte of interest in their monitoring. That will help determine the more impacted watercourse due to construction activity, and then those areas can be more adequately addressed.

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2008-09 Complaint Logs

Miles Slattery reviewed the complaints logs in the 'Citizen Call' module of ASIST during the 2008-09 permit year. The most frequent complaints were about construction activities, restaurants and car washing.

To address construction activities, the Stormwater Division developed 19 construction BMP pamhplets, adopted an erosion control ordinance and adopted the three Construction BMP Manuals.

Miles,working with Humboldt Baykeeper, added TSS as an analyte of interest in their monitoring. The Stormwater Division and Humboldt Baykeeper also implemented quarterly TSS sampling in our local waterways.

Review Construction BMP Manual

Responsible Party: Sheryl Schaffner, City Attorney

City Attorney and City Engineer to review Draft BMP Manual.

Measurable Goal: BMP Manual reviewed and revised.

Start Date: 7/1/2007 End Date: 6/30/2008

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 7/11/2008 ***Responsible Party: Miles Slattery, Project Manager***

Stormwater Division Review

By 07/11/08, Miles reviewed the Construction BMP Manual and returned it to Winzler and Kelly for significant modification. Over the following three weeks, through multiple revisions, the draft was approved by the Stormwater Division. On 08/07/08, Miles forwarded the manual to Engineering, Community Development and Building for review and training. Their comments are due back to the Stormwater Division before the end of August so that it is finalized prior to advertising the erosion control ordinance through PSAs in September. This will coincide with the beginning enforcement of the erosion control ordinance in October 2008.

Date: 9/1/2008 ***Responsible Party: Miles Slattery, Project Manager***

BMP Manual Review

With the assistance from Winzler and Kelly, the Stormwater Division created three construction BMP manuals, the Construction Stormwater Regulations Manual, the Construction BMP Manual and the Construction LID Manual. City of Eureka engineering, community development, city attorney and public works departments reviewed them, as well as the North Coast Regional Water Quality Control Board. All three of the manuals were approved and adopted by City Council on July 7, 2009.

Miles created a section on the Stormwater Division's webpage for BMP Manuals to be posted. He posted the three construction site BMP manuals on the page. When the Integrated Pesticide, Herbicide and Fertilizer Management Plan and Pollution Prevention and Good Housekeeping manuals are finalized, they will be posted as well.

Review Data from BMP Inspections

Responsible Party: Miles Slattery, Project Manager

Review data from BMP inspections to determine problem areas and areas where additional education, inspection and enforcement required.

Measurable Goal: Review of 100% of inspection forms

Start Date: 7/1/2008 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 33 %

Work performed for the BMP listed above

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2008-09 Review

Miles Slattery reviewed the complaints logs in the 'Citizen Call' module of ASIST during the 2008-09 permit year. The most frequent complaints were about construction activities, restaurants and car washing.

To address construction activities, the Stormwater Division developed 19 construction BMP pamhplets, adopted an erosion control ordinance and adopted the three Construction BMP Manuals.

Miles,working with Humboldt Baykeeper, added TSS as an analyte of interest in their monitoring. The Stormwater Division and Humboldt Baykeeper also implemented quarterly TSS sampling in our local waterways.

Review Stormwater Erosion Control Ordinance

Responsible Party: Sheryl Schaffner, City Attorney

City Attorney and City Engineer to review erosion control ordinance.

Measurable Goal: Stormwater ordinance reviewed and revised.

Start Date: 7/1/2006 End Date: 6/30/2007

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 3/22/2007 ***Responsible Party: Mike Knight, Assistant City Manager***

Erosion Control Ordinance Review

Miles completed the draft erosion control ordinance and forwarded it to Mike Knight, Assistant City Manager, Brent Siemer, City Engineer, and Lisa Shikany, Environmental Planner, for review. John Fitzhugh, Deputy Building Official, reviewed the ordinance and returned it to Mike Knight on 03/22/06. Brent reviewed and approved the ordinance. Lisa made comments, and they were considered. The ordinance will now be forwarded to the City Attorney and then to Council.

Date: 11/28/2007 ***Responsible Party: Sheryl Schaffner, City Attorney***

Erosion Control Ordinance Review by City Attorney

Sheryl Schaffner, City Attorney, reviewed the erosion control ordinance and met with Miles Slattery, Project Manager, and Mike Knight, Assistant City Manager on 11/28/07. Sheryl's edits and additions were reviewed and amended to the erosion control ordinance.

Train City Staff on Erosion Control Ordinance and Construction BMP Manual

Responsible Party: Miles Slattery, Project Manager

Provide in-house training during staff review committee meetings regarding new erosion control ordinance requirements and BMP Manual to appropriate Public Works, Building, and Planning Department staff involved with plan review, approval, and construction

Start Date: 7/1/2007 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 50 %

Work performed for the BMP listed above

Date: 3/22/2007 ***Responsible Party: Mike Knight, Assistant City Manager***

Erosion Control Ordinance Review

Miles completed the draft erosion control ordinance and forwarded it to Mike Knight, Assistant City Manager, Brent Siemer, City Engineer, and Lisa Shikany, Environmental Planner, for review. John Fitzhugh, Deputy Building Official, reviewed the ordinance and returned it to Mike Knight on 03/22/06. Brent reviewed and approved the ordinance. Lisa made comments, and they were considered. This review process also provided training for staff involved with plan review, approval, and construction site inspections.The ordinance will now be forwarded to the City Attorney and then to Council.

Date: 11/2/2007 ***Responsible Party: NCSWC Members, Active Members***

Construction Site Stormwater Management Workshop

The North Coast Stormwater Coaltion sponsored a workshop for construction site stormwater management. The morning session included presentations on construction site BMPs (Craig Benson, RCAA), constructing roadways and driveways (Tyler Ledwith, RCAA) and local ordinance compliance (Miles Slattery, City of Eureka). The afternoon session provided two options. There was hands on erosion and sediment control BMP instillation training or EPA certified construction site stormwater management training. Public Works field crew attended the conference and the BMP instillation training.

Date: 1/11/2008 ***Responsible Party: Miles Slattery, Project Manager***

Parks, Facilities, Harbor Ordinance Training

Miles presented a power point presentation and training video for the Parks and Recreation Department. The power point gave an overview of the Stormwater Division and information about the stormwater and erosion control ordinances. The presentation explained what is considered a violation of the ordinances and how to report them to the appropriate personnel. The video provided examples of BMPs for municipal operations and information on how to detect illicit discharges. 16 staff members were in attendance.

Date: 4/11/2008 ***Responsible Party: Miles Slattery, Project Manager***

Streets-Alleys, WW Collection and Water Distribution Ordinance Training

Miles presented a power point presentation and training video for the Streets/Alleys, Wastewater Collection and Water Distribution Divisions Department. The power point gave an overview of the Stormwater Division and information about the stormwater and erosion control ordinances. The presentation explained what is considered a violation of the ordinances and how to report them to the appropriate personnel. The video provided examples of BMPs for municipal operations and information on how to detect illicit discharges. 17 staff members were in attendance.

Date: 5/8/2008 ***Responsible Party: NCSWC Members, Active Members***

IDDE Training

Winzler and Kelly, local engineering consultants, presented training on the IDDE component of Phase II permits. The training discussed program development, illicit connections, finding illicit connections (dye, smoke and video testing) and fixing illicit connections. Justin Boyes, Source Control Supervisor, and Miles Slattery attended.

Date: 6/27/2008 ***Responsible Party: Miles Slattery, Project Manager***

Building Department Erosion Control Ordinance Training

The Building Department will be the only other City Department dealing with the implimentation of the erosion control ordinance. So Miles met with John Fitzhugh to discuss its implimentation.

On 06/27/08, Miles met with John Fitzhugh, Deputy Building Official, to discuss the implementation of the erosion control ordinance and ensuring compliance. Beginning in October 2008, a new record will be created in TrackIT for each building permit called 'Stormwater'. The Building Inspector will inspect the site for compliance with their Erosion Control Permit each time they're at the site for other inspections. The signed Erosion Control Permit Application will serve as the permit and also as a checklist for the inspector. If the site is out of compliance, the Building Inspector will notify Miles to take action. These referrals will be documented in the 'Construction Projects' module of ASIST. Contractors/Owners will be given ample time to rectify the problems. If they are non-responsive, an administrative fine will be issued. If they are still non-responsive, the City will take care of the issue and bill the contractor/owner for the cost of abatement as is stated in the erosion control ordinance. Our Building Inspectors already are aware of proper instillation and maintenance of sediment and erosion control measures through previous training and work experience.

Date: 8/7/2008 ***Responsible Party: Miles Slattery, Project Manager***

Construction BMP Manual Training

On 08/07/08, Miles forwarded the Construction BMP Manual to Engineering, Community Development and Building for review and training. Staff has been directed to go over the manual and contact Miles with any questions or comments. The Engineering and Building Department staff already are aware of proper instillation and maintenance of sediment and erosion control measures through previous training and work experience. Community Development will not be responsible for plan review or inspections of erosion and sediment control.

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2008-09 Training

All Stormwater Division and Building Department staff employed during this permit year have been trained on erosion control ordinance enforcement.

Pollution Prevention/Good Housekeeping For Municipal Operations

Details of BMPs and Work Performed for Them

Complete Draft Operations & Maintenance Manual

Responsible Party: Miles Slattery, Project Manager

Complete Draft Operation & Maintenance Manual.

Measurable Goal: Draft Manual finalized.

Start Date: 7/1/2007 End Date: 6/30/2009

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 6/27/2008 ***Responsible Party: Miles Slattery, Project Manager***

Operations and Maintenance Manual Partial Draft

Miles worked with Winzler and Kelly to develop a 50% draft of the City of Eureka Stormwater Management Plan for Municipal Operations (attached). The draft is approximately 75% complete with added input from Miles. Additional figures and drawings will make the draft complete. Miles will be reviewing and completing the Manual during the 2008-09 permit year.

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

Draft Complete (pending Regional Board information)

The draft is complete pending inclusion of low threat discharge information. The Stormwater Division is waiting for a list of low threat discharges that will be included in the manual so the City of Eureka will be covered under the new low threat discharge permit. Miles will be reviewing and completing the Manual, submitting for public comment and awaiting for Regional Board approval once Regional Board staff issues the low threat discharge information.

Conduct Annual Review of Operations & Maintenance

Responsible Party: Miles Slattery, Project Manager

Conduct annual review of City practices to ensure conformance to O&M Manual. Identify areas of additional education requirements and provide to City employees.

Measurable Goal: 100% annual review of all applicable City Departments for compliance with O

Start Date: 7/1/2008 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 33 %

Work performed for the BMP listed above

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2008-09 Review

The draft has been reviewed and is complete pending inclusion of low threat discharge information. The Stormwater Division is waiting for a list of low threat discharges that will be included in the manual so the City of Eureka will be covered under the new low threat discharge permit. Miles will be reviewing and completing the Manual, submitting for public comment and awaiting for Regional Board approval once Regional Board staff issues the low threat discharge information.

Create Storm Drain System Maintenance Log

Responsible Party: Miles Slattery, Project Manager

Use storm drain maintenance log to record storm drain system maintenance.

Measurable Goal: 100% of maintenance tracked.

Start Date: 7/1/2007 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 50 %

Work performed for the BMP listed above

Date: 3/5/2008 ***Responsible Party: Miles Slattery, Project Manager***

New Maintenance Form

Miles worked with Dan Smith, Maintenance Supervisor for Streets, to develop a one page Street/Alley Maintenance Field Worksheet (attached) to be used by the field crew to track all maintenance done on the storm drain facilities. There is a 'Notes' section for observations made during storm drain maintenance, including excessive debris, odors, dry-weather flow, structural problems, and others. If suspicious discharges are witnessed, staff were trained to radio Public Works dispatch or call the hotline.

Date: 6/30/2008 ***Responsible Party: Dan Smith, Streets Supervisor***

2007-08 Maintenance Log

Since 03/05/08, the Street Division crews have used a new maintenance form. They have been logged into an Access database for tracking. The Stormwater Division is working incorporating the tracking of these forms into ASIST during the 2008-09 permit year.

Date: 6/30/2008 ***Responsible Party: Miles Slattery, Project Manager***

Maintenance Form Tracking

Right now the information from the maintenance forms are written up in a supervisor's report and then entered into an Access database at the corp yard. The Stormwater Division is currently working on streamlining the process. Miles is working with the ASIST programmers and Danny Smith, Streets Supervisor, to develop a way to enter the forms into the ASIST database and keep track of those records.

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2008-09 Maintenance Log

Since 03/05/08, the Street Division crews have used the new maintenance form. They have been logged into an Access database for tracking.

Identify Areas for Increased Storm Drain System Maintenance

Responsible Party: Miles Slattery, Project Manager

Identify areas where more frequent cleaning is necessary.

Measurable Goal: Areas identified and maintained more frequently.

Start Date: 7/1/2008 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 33 %

Work performed for the BMP listed above

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2008-09 Maintenance

Due to the high frequency of rain in the City of Eureka, storm drain system maintenance issues are readily identified by flooding and citizen complaints. The Streets/Alleys Division are notified of these locations on a daily basis through Public Works dispatch.

Identify Areas for Increased Street Sweeping Frequency

Responsible Party: Miles Slattery, Project Manager

Identify areas where more frequent cleaning of streets is necessary. Target identified areas of concern for more frequent cleaning and educational outreach as appropriate.

Measurable Goal: Areas of concern identified. More frequent cleaning of the area

Start Date: 7/1/2007 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 50 %

Work performed for the BMP listed above

Date: 6/30/2008 ***Responsible Party: Dan Smith, Streets Supervisor***

2007-08 Street Sweeping

Since 100% of City of Eureka streets were swept weekly during the 2007-2008 permit year, target areas of concern have not arisen. One area of concern that will be addressed is the fact that vehicles have been parked on the street in certain locations on days of sweeping. The Stormwater Division will be more clearly posting sweeping routes on-line. We are also looking into PSAs and press releases.

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2008-09 Street Sweeping

Due to budget reductions, 100% of City of Eureka streets are now swept monthly. Since this has occured, PSAs and press releases have been sent out notifying residents of their sweeping routes encouraging them to park off the street on those days for more efficient street sweeping. The Storrmwater Division also more clearly posted sweeping routes on-line.

Implement Operations & Maintenance Manual

Responsible Party: Miles Slattery, Project Manager

Implement O & M Manual in all applicable City department & provide training to all applicable City staff.

Measurable Goal: 100% Implement of O & M Manual at all City departments & 100% of staff trained in its contents.

Start Date: 7/1/2008 End Date: 6/30/2011

Percentage of work that has been accomplished for this BMP: 0 %

Work performed for the BMP listed above

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***

2008-09 Implementation

Implementation of the manual is pending Regional Board information pertaining to low threat discharges.

Integrated Pesticide, Herbicide, & Fertilizer Management Plan

Responsible Party: Miles Slattery, Project Manager

Prepare Management Plan outlining alternative methods to reduce use of pesticides and herbicides & establish application rates and methods.

Measurable Goal: Preparation of Integrated Pesticide, Herbicide, & Fertilizer Management Plan.

Start Date: 7/1/2008 End Date: 6/30/2010

Percentage of work that has been accomplished for this BMP: 33 %

Work performed for the BMP listed above

Date: 3/4/2009 ***Responsible Party: Miles Slattery, Project Manager***

CATs Meeting

Miles Slattery and Bruce Young, Deputy Public Works Director, met with local members of Californians for Alternatives to Toxics to discuss the IPHFMP. CATs members will be consulted with and included in the developments of the IPHFMP.

Date: 6/8/2009 ***Responsible Party: Tom Coyle, Parks and Maintenance Manager***
IPHFMP Inventory

Tom Coyle, Parks and Maintenance Manager, developed an inventory and outline for usage of all the City's pesticides, herbicides and fertilizers. The Stormwater Division will be working with the City of Arcata, Californians for Alternatives to Toxics and the Native Plant Society in an effort to develop an effective plan.

Date: 8/3/2009 ***Responsible Party: Jennifer Kalt, Water Quality Coordinator***
North Coast Chapter of Native Plant Society

Miles forwarded the City's inventory of chemicals to Jennifer Kalt, Conservation Chair for local Native Plant Society. She reviewed and provided feedback on alternatives.

Inventory of Pesticides, Herbicides and Fertilizers Used

Responsible Party: Miles Slattery, Project Manager

Review current landscape policies, including an inventory of pesticides, herbicides, and fertilizers used.

Measurable Goal: 100% of pesticides / herbicides inventoried; Evaluation of current procedures completed.

Start Date: 7/1/2008 End Date: 6/30/2009

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 6/8/2009 ***Responsible Party: Tom Coyle, Parks and Maintenance Manager***
IPHFMP Inventory

Tom Coyle, Parks and Maintenance Manager, developed an inventory and outline for usage of all the City's pesticides, herbicides and fertilizers. The Stormwater Division will be working with the City of Arcata, Californians for Alternatives to Toxics and the Native Plant Society in an effort to develop an effective plan.

Date: 8/3/2009 ***Responsible Party: Jennifer Kalt, Water Quality Coordinator***
North Coast Chapter of Native Plant Society

Miles forwarded the City's inventory of chemicals to Jennifer Kalt, Conservation Chair for local Native Plant Society. She reviewed and provided feedback on alternatives.

Maintenance Form for Storm Drain System Cleaning

Responsible Party: Miles Slattery, Project Manager

Develop a maintenance form to record storm drain maintenance activities, including observations of illicit discharges.

Measurable Goal: Maintenance form developed.

Start Date: 7/1/2007 End Date: 6/30/2008

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 3/5/2008 ***Responsible Party: Miles Slattery, Project Manager***
New Maintenance Form

Miles worked with Dan Smith, Maintenance Supervisor for Streets, to develop a one page Street/Alley Maintenance Field Worksheet (attached) to be used by the field crew to track all maintenance done on the storm drain facilities. There is a 'Notes' section for observations made during storm drain maintenance, including excessive debris, odors, dry-weather flow, structural problems, and others. If suspicious discharges are witnessed, staff were trained to radio Public Works dispatch or call the hotline.

Date: 6/30/2008 ***Responsible Party: Miles Slattery, Project Manager***
Maintenance Form Tracking
Right now the information from the maintenance forms are written up in a supervisor's report and then entered into an Access database at the corp yard. The Stormwater Division is currently working on streamlining the process. Miles is working with the ASIST programmers and Danny Smith, Streets Supervisor, to develop a way to enter the forms into the ASIST database and keep track of those records.

Present Operations & Maintenance Manual

Responsible Party: Miles Slattery, Project Manager

Present O&M Manual to City Council.

Measurable Goal: Operation & Maintenance Manual adopted.

Start Date: 7/1/2008 End Date: 6/30/2009
Percentage of work that has been accomplished for this BMP: 0 %

Work performed for the BMP listed above

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***
2008-09 Presentation
Presentation of the manual is pending Regional Board information pertaining to low threat discharges, a public comment period and Regional Board approval of the plan.

Review Operations & Maintenance Manual

Responsible Party: Sheryl Schaffner, City Attorney

City Attorney and City Engineer to review Operation & Maintenance Manual.

Measurable Goal: Operation & Maintenance Manual reviewed and revised.

Start Date: 7/1/2008 End Date: 6/30/2009
Percentage of work that has been accomplished for this BMP: 0 %

Work performed for the BMP listed above

Date: 6/30/2009 ***Responsible Party: Miles Slattery, Project Manager***
Operations and Maintenance Manual Review
The draft is complete pending inclusion of low threat discharge information. The Stormwater Division is waiting for a list of low threat discharges that will be included in the manual so the City of Eureka will be covered under the new low threat discharge permit. Miles will be reviewing and completing the Manual, submitting it to affected City departments, submitting it for public comment and awaiting for Regional Board approval once Regional Board staff issues the low threat discharge information.

Street Sweeping

Responsible Party: Bruce Young, Deputy Public Works Director

Continue street sweeping operations.

Measurable Goal: 100% of City Streets swept weekly.

Start Date: 7/1/2006 End Date: 6/30/2011
Percentage of work that has been accomplished for this BMP: 60 %

Work performed for the BMP listed above

Date: 6/30/2007 ***Responsible Party: Bruce Young, Deputy Public Works Director***
2006-07 Street Sweeping

100% of City of Eureka streets were swept weekly during the 2006-2007 permit year.

Date: 6/30/2008 ***Responsible Party: Dan Smith, Streets Supervisor***
2007-08 Street Sweeping

100% of City of Eureka streets were swept weekly during the 2007-2008 permit year.

Date: 6/30/2009 ***Responsible Party: Dan Smith, Streets Supervisor***
2008-09 Street Sweeping

Due to budget reductions, street sweeping frequency had to be reduced from weekly to monthly. 100% of City of Eureka streets were swept monthly during the 2008-09 permit year.

Training for Storm Drain System Cleaning Maintenance Form

Responsible Party: Miles Slattery, Project Manager

Provide in-house training related to use of the maintenance form to Public Works staff.

Measurable Goal: 100% of appropriate Public Works staff receive training.

Start Date: 7/1/2007 End Date: 6/30/2008

Percentage of work that has been accomplished for this BMP: 100 %

Work performed for the BMP listed above

Date: 4/11/2008 ***Responsible Party: Miles Slattery, Project Manager***
Ordinance / Maintenance Form Training

Miles presented a power point presentation and training video for the Streets/Alleys, Wastewater Collection and Water Distribution Divisions Department. The power point gave an overview of the Stormwater Division and information about the stormwater and erosion control ordinances. The presentation explained what is considered a violation of the ordinances and how to report them to the appropriate personnel. If suspicious discharges are witnessed, staff were trained to radio Public Works dispatch or call the hotline. The new storm drain maintenance forms were reviewed and explained. The video provided examples of BMPs for municipal operations and information on how to detect illicit discharges. 17 staff members were in attendance.