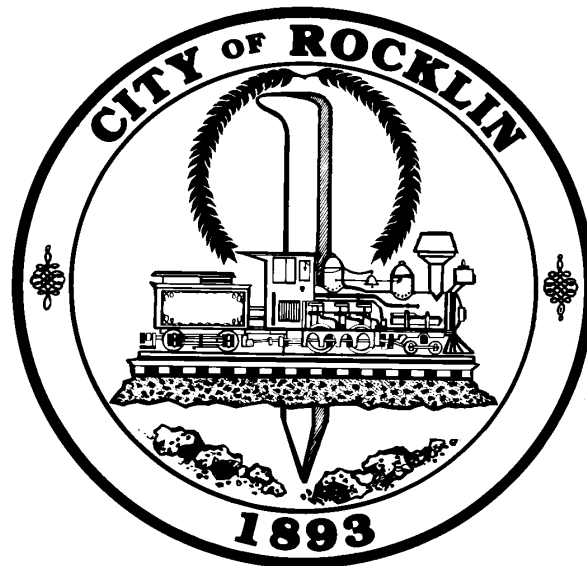


**ANNUAL REPORT
GENERAL PERMIT FOR THE DISCHARGE OF
STORMWATER FROM SMALL MUNICIPAL
SEPARATE STORM SEWER SYSTEMS
(GENERAL PERMIT)**

**Reporting Period
July 1, 2004 to June 30, 2005**



**CITY OF ROCKLIN
Public Works Department
3970 Rocklin Road
Rocklin, California 95677
(916) 625-5500**

ANNUAL REPORT

General Permit for the Discharger of Storm Water from Small Municipal Separate Storm Sewer Systems (General Permit)

Check box if this is a new name, address, etc.

PERMITTEE INFORMATION

1. Permittee (Agency Name): City of Rocklin
2. Contact Person: Kent L. Foster
3. Mailing Address: 4081 Alvis Court
4. City, State and Zip Code: Rocklin, CA 95677
5. Contact Phone Number: (916) 625-5510
6. WDID # _____
7. Have any areas been added to the MS4 due to annexation or other legal means? YES NO
If YES

| Outfall | Has map been updated? | | Has SWMP been updated? | | Receiving Water Name |
|---|-----------------------|----|------------------------|----|--------------------------------------|
| | YES | NO | YES | NO | |
| This undeveloped area was recently annexed into the City and is now under construction. | | | | | Pleasant Grove Creek and Tributaries |

8. Are you subject to the Design Standards contained in Attachment 4 of the General Permit? YES NO
If yes, report on the implementation of the Design Standards in MCMV of this Annual Report Form.

REPORTING PERIOD

(Check one): Coverage Commencement (March 10, 2003) to June 30, 2004 -

or-

(Report is due by September 15 each year)

- July 1, 2004 to June 30, 2005
- July 1, 2005 to June 30, 2006
- July 1, 2006 to June 30, 2007
- July 1, 2007 to June 30, 2008

EXECUTIVE SUMMARY

This Annual Report has been prepared in compliance with the State Water Resources Control Board (SWRCB) permitting requirements for small municipal separate storm sewer systems (MS4s). Rocklin has been designated a regulated MS4, along with other Placer County Municipalities, based on population and residential densities. Under Phase II NPDES (National Pollution Discharge Elimination System) requirements, MS4s must apply for a general permit in order to be authorized to discharge stormwater into “waters of the United States”. This permit requires MS4s to develop, implement, and enforce a Stormwater Management Program (SWMP) designed to reduce the discharge of pollutants from the storm sewer system to the maximum extent practicable.

Municipalities have five years to achieve complete implementation of the program, but each year they must show incremental progress towards accomplishing that goal. To monitor progress on each municipality’s SWMP, the SWRCB requires regulated MS4s to conduct an annual evaluation and submit the results in the form of an annual report. This document has been prepared to satisfy this requirement and is due September 15 of each year.

In March 2003, the City of Rocklin submitted a Notice of Intent (NOI), the NPDES permit application, and the proposed Stormwater Management Program to the RWQCB. The City received permit coverage in December 2003. Rocklin’s stormwater management proposal incorporates six minimum control measures (MCMs):

- Development of public education and outreach programs/activities.
- Public involvement and participation in development of the Stormwater Management Program.
- Development, implementation, and enforcement of an illicit discharge detection and elimination program.
- Development, implementation, and enforcement of a program for construction site runoff.
- Development, implementation, and enforcement of a program for post-construction runoff.
- Development and implementation of pollution prevention and good housekeeping practices at city operated facilities.

The City has made steady progress on implementing MCMs of the Stormwater Management Program. This was accomplished by building on activities such as:

1. Continuing to sponsor Creek Week activities and volunteer projects.
2. Continuing to incorporate Attachment 4 development conditions into City projects for the City’s public hearing and review process.
3. Completing an illicit discharge and detection ordinance that is scheduled for a City Council public hearing in October, 2005.
4. Continuing to inspect construction sites for effective erosion and sediment control measures and document permit compliance efforts.
5. Continuing to condition projects to provide funding for openspace operations and maintenance. Continuing to inspect and monitor structural and non-structural stormwater

BMPs. Continuing to map and identify all drainage systems and outfalls using GPS technology.

6. Continuing to develop maintenance procedures that minimize water quality impacts. Training staff to identify impacts to water quality.

The City has also made some changes in the implementation of its storm water program. The changes enable city staff to evaluate BMP success in each of the Minimum Control Measures listed above. Highlights of these changes include the following activities:

- Adoption of procedures for the collection of water samples for laboratory analysis
- Establishment of permanent water quality monitoring locations within the City of Rocklin
- Evaluation of water samples to help staff measure program effectiveness.
- Determine if pollutants of concern originate inside or outside Rocklin.
- Use of litter pickup and street sweeping collection volumes to determine the effectiveness of BMPs over time.

The City worked with the Dry Creek Conservancy in water quality monitoring activities and Creek Week activities. The Conservancy's water sampling results are used to establish a baseline for water quality. The baseline parameters enable staff to direct education, enforcement and maintenance efforts where these activities will improve water quality. The city also quantifies several assessment parameters during each reporting period. The data is used to establish pollutant trends so educational or enforcement programs can be developed.

MINIMUM CONTROL MEASURES

The tables immediately following the narrative overview contain the following:

- The status and effectiveness of BMPs and measurable goals for this year's annual report, (July 1, 2004 to June 30, 2005) are summarized in Table A.
- Assessment Parameters are identified in Table B, with the quantifiable information listed separately under each assessment parameter.
- Measurable goals, modifications to the SWMP and anticipated changes to the schedule are listed in Table C. Table C also lists BMPs that were scheduled to be completed in the first and second reporting period, but have not been completed or started by the end of the second reporting period.

MCM I: PUBLIC EDUCATION AND OUTREACH

Narrative Overview

The City of Rocklin's public education and outreach program meets the requirements of the NPDES General Permit for Stormwater Discharge. The City has co-sponsored Creek Week activities to inform residents about non-stormwater discharges, and also partners with other organizations that have carried out educational and outreach programs related to stormwater issues. City residents have also benefited from the work of non-profit organizations such as; the Dry Creek Conservancy, Citizen's Involved Means Better Living (CIMBL), the Rocklin High School Earth Club, and other citizen volunteers through activities such as tree planting, litter pick-up, and habitat restoration.

Other educational and outreach programs include a web based reporting system that allows residents to create a water quality case and then track the resolution of their case through various departments and/or divisions in the city. Other educational and outreach activities are listed in the table below. These and other programs have provided a way to raise the level of awareness about stormwater pollution and motivate residents to change their behavior and avoid polluting our water bodies. These types of educational and outreach programs will be continued into the next reporting period.

Table A: Public Education and Outreach BMP Objectives, Measurable Goals, and Status - July 2004 to June 2005

| Objectives | | Status (See Notes Below) | | | | | |
|--|--|---------------------------------|-----------------------|-----------------|------------------|----------------|----------------------|
| <ul style="list-style-type: none"> Understand and influence public awareness, perceptions, and attitudes toward urban runoff pollution and its impact on the community's water resources. Educate the community about specific pollutant sources, and what they can do to reduce urban runoff pollution (alternative pollution prevention solutions). Gain public support for the program, along with funding initiatives and volunteer help. Achieve greater public compliance with the program's objectives. | | Implemented | Not Applicable | Modified | Effective | Unknown | Not Effective |
| BMPs | Measurable Goals | | | | | | |
| 2a) All unmarked storm drain inlets in City right-of-way shall be stenciled or labeled by end of permit term. | Track implementation success by the number of volunteers labeling storm drain inlets AND the number of storm drains stenciled each year. | X | | | 1 | | |
| 2b) Distribute educational material during creek week activities in April | Measure success by the number of personal contacts made by staff and the number of brochures handed out each year. | X | | | | 2 | |
| 2c) Develop partnership agreement with RUSD to distribute educational material. | Obtain approval from RUSD to jointly prepare and distribute educational material. | | | 3 | | | |
| 2d) Conduct 2 workshops/training seminars per year targeting homeowner associations and residential maintenance activities that affect creeks, wetlands, and open space areas. | Incorporate the measurable parameters of the PE&O MCM into a comprehensive workshop each year to get the basic message out to the public. The number of attendees that participate in each workshop each year will be used to measure success. | | | 4 | | | |

Table Notes:

- This BMP is still in progress. Volunteers are using decals supplied by the City. Effectiveness was measured by the number of web-based inquiries and front desk calls that were reports of discharges into the city storm drain system.
- Brochures were handed out to creek week volunteers. Effectiveness is unknown. There could be a link to Note Number 1 above.
- Modified implementation date of this BMP. This BMP was moved to the third reporting period. See Table C.
- Modified implementation date of this BMP. This BMP was moved to the third reporting period. See Table C.

Assessment Parameters

Listed in each table below are the results of information collected during the reporting period.

Table B: Public Education and Outreach Assessment Parameters

| | July 2004 - June 2005 |
|--|------------------------------|
| Press Releases | |
| 1c Articles/Reports Published on Wet and Dry Season Activities | 0 |
| Pet Waste Management | |
| 1d Brochures Distributed at City Dog License Counter and ACO | 0 |
| 1e "Clean Up After Your Pet" Signs | 22 |
| Storm Drain Labeling | |
| 2a No Dumping Decals Installed on Storm Drain Inlets | 143 |
| 2a Volunteers Labeling Storm Drain Inlets | 5 (estimate) |
| Public Workshops | |
| 2d Business Representatives that Participate in the Workshop | 17 |
| 2d Residents that Participate in Homeowner Workshop | 0 |
| Creek Signs & Creek Week Educational Material Distributed | |
| 3a Creek & Creek Tributary Signs Installed by Volunteers | 0 |
| 3b Participants That Completed Volunteer Education Program | 64 |
| Partnerships | |
| 2c Partnerships Developed with Schools | 0 |
| 3c Partnerships Developed with Lawn Care Businesses | 0 |
| 3d Schools Receiving Educational Material | 0 |

The table below summarizes the storm water activities the City plans to undertake during the next reporting cycle.

Table C: Public Education and Outreach - July 2005 to June 2006

| BMP | Proposed Measurable Goal | Modified? | | Schedule | |
|--|--|-----------|----------|--------------------|------------------------|
| | | YES | NO | Complete this year | Ongoing Implementation |
| 1a) Incorporate the Basic Message into the City of Rocklin Annual Report to the Community and distribute to 100% of Rocklin residents and businesses by June 30 and each year thereafter. | Track implementation success over the permit term by surveying a population sample of residents who have changed their behavior due to the receipt of educational materials. | 1 | | | X |
| 1c) Prepare a press release twice a year to address wet and dry season activities residents and businesses can participate in to improve water quality. | Track success each year by the number of articles published and/or reported each year. | 2 | | | X |
| 1d) Prepare Pet Waste Management Brochures to be distributed at the City's dog license counter and by the ACO, by June 30 and each year thereafter. | Track implementation success each year by the number of brochures handed out each year at the City's dog license counter, and by the ACO. | 3 | | | X |
| 1e) Begin installing Pet Waste Management signs in Parks, Class III Bikeways, and Landscape Parkways | Track implementation success by completion of sign installation in parks, bike trails, and neighborhoods | | X | | X |
| 2a) All unmarked storm drain inlets in City right-of-way shall be stenciled or labeled by end of permit term. | Track implementation success by the number of volunteers labeling storm drain inlets AND the number of storm drains stenciled each year. | 4 | | | X |
| 2c) Develop partnership agreement with RUSD to distribute educational material. | Obtain approval from RUSD to jointly prepare and distribute educational material. | 5 | | | |
| 2d) Conduct 2 workshops/training seminars per year targeting homeowner associations and residential maintenance activities that affect creeks, wetlands, and open space areas. | Incorporate the measurable parameters of the PE&O MCM into a comprehensive workshop each year to get the basic message out to the public. The number of attendees that participate in each workshop each year will be used to measure success. | 6 | | | |
| 3a) Develop a creek and creek tributary identification sign program by June 30, 2006. | A creek and creek tributary sign program that identifies creek & creek tributaries to be installed by volunteers beginning next year. | | X | | |
| 3b) Train volunteer educators by June 30. | Success will be measured by the number of participants that complete a volunteer education program that incorporates the measurable parameters of the PE&O MCM | 7 | | | |
| 3c) Develop a partnership program with local lawn care businesses that pledge and act to support the "Basic Message". | Success will be measured by the number of partnerships developed between the City and lawn care businesses within the City of Rocklin. | | 8 | | |

| BMP | Proposed Measurable Goal | Modified? | | Schedule | |
|---|---|-----------|----------|--------------------|------------------------|
| | | YES | NO | Complete this year | Ongoing Implementation |
| 3d) School curricula developed and distributed to area schools by June 30, 2006. | Success will be measured by the number of schools receiving the educational material and the school age children that receive educational information | 9 | | | |
| 3f) Complete installation of Pet Waste signs. | | | X | | X |

Table Notes:

1. The complete status of this BMP is unknown at this time. BMP 1a has been implemented, but no survey of residents has been performed to determine if the residents have changed their behavior. Residents are aware of the City's web based reporting system and are using the web page to report storm water violations or obtain information. Residents have noticed the storm drain decals on the storm drain inlets and have inquired what could be dumped into the storm drain system.
2. This BMP has not been implemented. Six press releases need to be completed by June 30, 2006. In lieu of press releases, some of the notifications will be sent to industry specific groups such as the pool and spa industry, home builders, carpet cleaning, and auto repair businesses.
3. This BMP was implemented late (after June 30). Residents who purchase a dog license will be handed a pet waste brochure. The number of brochures handed out by City staff will be the same as the number of dog licenses purchased by residents beginning September 1, 2005.
4. This BMP is ongoing. Not all of the Storm drains have been labeled. The City has successfully relied on volunteers, primarily Scouts to install the labels. The City supplies the labels and map to the volunteer organizations and the volunteers install the labels and mark the area on the map.
5. The City has not initiated this discussion with the school district. In the event the school district does not wish to participate in the educational partnership, the City proposes to provide locally collected acorns, planting soil mix, and grow tubes for students that want to propagate acorns for planting during Creek Week.
6. The workshops have not started. The City is in the process of finalizing its Urban Forest Plan. The UFP also recommends public workshops identifying the merits of an Urban Forest and how residents can care for trees in Rocklin. The Urban Forest and Water Quality Workshops will be combined into one workshop to cover both topics.
7. This BMP modification is being modified to include guest speakers and City Staff that will conduct the workshops identified in Note Number 6 above.
8. This BMP will be coordinated with Notes Numbers 2, 6, and 7 above.
9. This BMP will be coordinated with Note Number 5 and BMP 2c above.

MCM II: PUBLIC INVOLVEMENT AND PARTICIPATION

Narrative Overview

The City of Rocklin's public involvement and public participation program meets the requirements of the permit. The City publishes notices for public hearings in the local newspapers for site plan and subdivision reviews as well as other important actions taken by the City. The City provides opportunities for public comment at council, committee, and workshops meetings. In terms of the Stormwater Management Program, City staff is currently updating its Construction Standards and General Plan. Both of these tasks involve committees made up of businesses, trade groups, and citizens reviewing and making recommendations to staff and/or our City Council. The Draft General Plan Update and the Revised Construction Standards contain provisions that comply with the provisions of the permit. The City Council's review of the city's illicit discharge and detection ordinance will be noticed so the public will have an opportunity to review and comment on the proposed ordinance. The ordinance is scheduled for the first reading at the October 11, 2005, City Council Meeting.

Table A: Public Involvement and Participation BMP Objectives, Measurable Goals and Status - July 2004 to June 2005

| Objectives | | Status (See Notes Below) | | | | | |
|---|--|--------------------------|----------------|----------|-----------|---------|---------------|
| <ul style="list-style-type: none"> Raise public awareness about urban runoff pollution through involvement. Involve the public in the development and implementation process to secure “buy in,” and generate public support for the City’s water quality protection efforts. Convince the community that water quality can be improved through community participation. | | Implemented | Not Applicable | Modified | Effective | Unknown | Not Effective |
| BMPs | Measurable Goals | | | | | | |
| 2a) Prepare public announcements promoting program and public participation beginning January and continuing until the end of the permit term. | Success will be measured by the number of articles and news releases released each year of the permit term. | | | 1 | | | |
| 2b) The City will annually hold a coordination meeting involving co-permittees, regulatory agencies, and interested stakeholders to discuss progress of the storm water management program and the next year’s activities. | Successful implementation will be measured by the completion of this BMP, how many stakeholders attend the meeting, and how many of the measurable parameters are formally adopted for the following year. | | | 2 | | | |
| 2c) Begin measuring the quantity of trash & debris removed by Adopt a Stream and/or Adopt a Watershed volunteers. | Measure success each year by the number of volunteers that attend a Creek Week event and the number of Creek Miles that are cleaned up, and the quantity of trash and debris removed by volunteers | | | X | | 3 | |

Table Notes:

1. This BMP was not implemented during the last reporting period. Press releases will be prepared for the 2005-2006 reporting period to coincide with the public discussion regarding the illicit discharge and detection ordinance.
2. This BMP is modified to include the City’s participation in workshops that include stakeholders, regulatory agencies, and watershed groups. Since these workshops are regional by design, many of the attendees are the same, regardless of the sponsoring agency.
3. This BMP was implemented early. Staff began implementing this BMP in 1999

Assessment Parameters

Listed in each table below are the results of information collected during the reporting period.

Table B: Public Participation and Involvement Assessment Parameters

| | July 2004 - June 2005 |
|--|------------------------|
| Public Meetings – BMP Development | |
| 1b BMP Development Meetings Held | 4 |
| Public Meetings – Illicit Discharge Detection & Elimination | |
| 1c Meetings Held / Attended | 2 |
| 1c Measurable Parameters Incorporated into SWMP | 1 (drain inlet decals) |
| Creek Week | |
| 1d Number of Participants in Creek Week Event | 64 |
| 1d Number of Creek Miles Cleaned Up | Unknown |
| 2c Number of Participants in Creek Week Event | (same as 1d above) |
| 2c Quantity of Trash and Debris Removed (30-Gallon Bags) | 68 |
| Public Announcements Promoting Programs & Participation | |
| 2a Articles and News Releases Published | 0 |
| Volunteer Monitoring: | |
| 3a Volunteers Who Completed Monitor Training | 1 |
| 3c Volunteer Monitoring Stations In Watershed | 15 |
| Storm Drain Inlet Adoptions: | |
| 3b Volunteer Participants in Storm Drain Adoptions | 5 (estimate) |

Additional Actions Measured

| | |
|--|-----|
| Community Hotline and Internet Access | |
| Calls Received | 119 |
| Problems/Incidents Resolved | 119 |
| Reforestation Programs | |
| Native California Trees Planted Per Jepson Manual | 105 |
| Storm Drain Stenciling (See Attachment 4 discussion under MCMV) | |
| Drains Stenciled | 143 |

The table below summarizes the stormwater activities the City plans to undertake during the next reporting cycle. No changes are proposed for this control measure's BMPs.

Table C: Public Involvement and Participation - July 2005 to June 2006

| BMP | Proposed Measurable Goal | Modified? | | Schedule | |
|---|--|-----------|----|--------------------|------------------------|
| | | YES | NO | Complete this year | Ongoing Implementation |
| 1a) Update the City Council on SWMP progress at the end of each year during the permit term. | Successful implementation will be measured by completion of this activity. | | 1 | | X |
| 1b) Hold at least 3 public meetings to involve stakeholders in the BMP development process within 12 months of the permit approval date. Include City staff, City Council, and Chamber of Commerce Officials. | Successful implementation will be measured by completion of this activity. | 2 | | | X |

| BMP | Proposed Measurable Goal | Modified? | | Schedule | |
|---|--|-----------|----------|--------------------|------------------------|
| | | YES | NO | Complete this year | Ongoing Implementation |
| 1c) Attend at least 3 neighborhood meetings to involve the residential community in the development of the illicit discharge detection and elimination program within the first 2 years of the permit approval date. | Successful implementation will be measured by the completion of this BMP and the number of measurable parameters that are formally incorporated into the SWMP. | 3 | | | |
| 1d) Sponsor a Creek Week event including clean-up activities and tree plantings within the City of Rocklin at least once each year of the permit term. | Measure success each year by the number of volunteers attending a Creek Week event, and the number of creek miles cleaned up. | | X | | X |
| 2a) Prepare public announcements promoting program and public participation beginning January and continuing until the end of the permit term. | Success will be measured by the number of articles and news releases released each year of the permit term. | 4 | | | X |
| 2b) The City will annually hold a coordination meeting involving co-permittees, regulatory agencies, and interested stakeholders to discuss progress of the storm water management program and the next year's activities. | Successful implementation will be measured by the completion of this BMP, how many stakeholders attend the meeting, and how many of the measurable parameters are formally adopted for the following year. | 5 | | | |
| 2c) Begin measuring the quantity of trash & debris removed by Adopt a Stream and/or Adopt a Watershed volunteers. | Measure success each year by the number of volunteers that attend a Creek Week event and the number of Creek Miles that are cleaned up, and the quantity of trash and debris removed by volunteers | | X | | X |
| 3a) Train citizen volunteer watch group(s) to monitor and report water quality data. | Measure success each year by the number of volunteers that complete monitor training. | 6 | | | X |
| 3b) Develop and adopt an inlet program by June 30, 2006. | Measure success by the number of volunteers participating in storm drain adoptions, and how many storm drains are adopted. | 7 | | | X |
| 3c) Establish volunteer monitoring stations and monitoring protocol. | Measure success by, the number of watershed monitoring stations that are established and the number of citizens that participate in water quality data collection. | 8 | | | |

Table Notes:

1. Staff reported to City Council at the Annual Retreat in February 2005.
2. One meeting was held on November 12, 2004 with the Rocklin Chamber of Commerce. The presentation outlines the City stormwater program, impacts to water quality from improper disposal of waste down the City storm drain system.
3. No neighborhood meetings have been scheduled to date. Residents have had an opportunity to participate in the public discussion and development in the General Plan Update and the Urban Forest Plan. Residents have also had the opportunity to participate in the modification of projects to achieve water quality goals.

4. Public announcements were prepared for Creek Week 2004 and 3005. By completion of the permit term 8 public announcements will have been prepared.
5. This BMP is modified to include the City's participation in workshops that include stakeholders, regulatory agencies, and watershed groups. Since these workshops are regional by design, many of the attendees are the same, regardless of the sponsoring agency.
6. This BMP has been modified to specifically use volunteers to monitors to monitor first flush conditions at permanent monitoring locations.
7. Initial response has not been too promising. Volunteers have responded to the storm drain labeling. The BMP will be modified to include open space areas and drainage areas Residents can pledge to protect geographical areas that include drain inlets, open space areas, and creek reaches.
8. Monitoring protocols have already been established by the Dry Creek Conservancy. Protocols fall under one of three categories.
 - a. Chemical Analysis
 - b. Benthic Macro Invertebrate Diversity
 - c. Site Condition Analysis

MCM III: ILLICIT DISCHARGE DETECTION AND ELIMINATION

Narrative Overview

The City of Rocklin's illicit discharge detection and elimination program meets the requirements of the permit. "Illicit discharge" refers to discharges to a municipal separate storm sewer that is not composed entirely of storm water. Examples of direct illicit discharges include a home's sanitary sewer pipe that has been mistakenly connected to the storm sewer system or a shop floor drain that is connected to the storm sewer, and improper disposal of auto and household toxics. Examples of an indirect illicit discharges would be an old and damaged sanitary sewer line or a failing septic system that are leaking fluids into a cracked storm sewer line.

The City will continue to map the entire city with the goal of creating a complete GIS database and map of all outfalls and receiving waters by the end of permit term. The updated data is entered into an electronic map using GIS software, and when complete, will be used by City maintenance staff and first responders. This information will help City staff during outfall inspections and first responders in the event of a hazardous material spill.

A draft ordinance has been completed to prohibit illicit discharges and connections to the City storm drain system. The City continues in its development of outreach materials for the public and of educational/training materials for staff that will enable field crews to identify illicit discharges. Objectives for this minimum control measure are listed in the table below.

Table A: Illicit Discharge Detection & Elimination BMP Objectives, Measurable Goals, and Status - July 2004 to June 2005

| Objectives | | Status | | | | | |
|---|--|-------------|----------------|----------|-----------|---------|---------------|
| <ul style="list-style-type: none"> Develop a thorough working knowledge of the City’s storm drain system, including the location of all inlets and outfalls and the receiving waters. Eliminate improper physical connections to the storm drain system. Prevent improper disposal of illicit wastes through public education, provision of appropriate disposal alternatives, and enforcement of an illicit discharge ordinance. Be prepared to contain and clean up accidental spills using proper methods of cleanup and disposal. | | Implemented | Not Applicable | Modified | Effective | Unknown | Not Effective |
| BMP | Measurable Goal | | | | | | |
| 2a) Adopt Illicit Discharge Ordinance to prohibit non-storm water discharges by June 30. Ordinance will include provisions for enforcement. | Successful implementation will be measured by adoption of the Illicit Discharge Ordinance. | | | 1 | | 2 | |
| 2b) Inspect 100% of storm drain outfalls at least once each year for illicit connections and non-storm water discharges. | Measure success each year by the number of storm drain outlets inspected for illicit discharges and the type of non-storm water flows observed. | X | | | X | | |
| 2c) Develop procedures for City Staff to address non-storm water discharges by June 30 and each year thereafter. Procedures shall include enforcement of violations, and a tracking system for inspections and violations. | Measure success each year by the number of city employees that are trained each year to address non-storm water discharges. Successful implementation will also include employees properly following enforcement procedures in the tracking and enforcement of violations. | | | 3 | | | |
| 2d) Establish a database to identify incidents of illicit discharges. The database will be used in conjunction with the storm water hotline. | Track implementation success over permit term by the number and type of calls received by the City’s hotline and by City Staff. Identify the number of calls that result in investigation of discharge or enforcement action (verbal, written, citation) being taken. | | | 4 | | | |
| 2e) Distribute brochures each year at the Annual Rocklin Clean Up Day to inform the public of hazards associated with illegal discharges and improper disposal of waste. | Measure success by the number of personal contacts made each year and the number of brochures distributed to residents at each of the drop off sites | | | 5 | | | |

Table Notes:

- The illicit discharge ordinance is scheduled to go to the City Council in October 2005. If adopted by the Council, The ordinance would become effective in January 2006.
- The ordinance is expected to be effective, based on earlier contacts with residents. Many residents complied with city requests to stop activities that are harmful to water quality. For the residents that did not comply, the city contacted other governmental agencies for enforcement action, or performed the clean up at city expense. This ordinance will enable staff to enforce water quality violations directly.
- 3,4,&5 To be developed upon adoption of the City’s Illicit Discharge & Detection ordinance.

Assessment Parameters

Listed in each table below are the results of information collected during the reporting period.

Table B: Illicit Discharge Detection and Elimination Assessment Parameters

| July 2004 – June 2005 | |
|--|-------------------------------|
| Illegal Dumping | |
| 1e Monthly Inspections Conducted at Known Dump Sites | Reported by Police Department |
| Illicit Discharges | |
| 2b Storm Drain Outlets Inspected for Illicit Discharge | All outlets City-wide |
| 2c Employees Trained to Address Non-Stormwater Discharges | 3 |
| 2d Calls Received Resulting in Investigation of Discharges, Dumping & Spills | 30 |
| 2e Number of Stormwater Pollution Prevention Brochures Distributed | 1,350 (with building permits) |

Additional Actions Measured

| | |
|---|--|
| Illicit Connection Identification | |
| Illicit Connections Found | 0 |
| Illegal Dumping | |
| Illegal Dumps Reported By Citizens | Household appliances, furniture in City right-of-way |
| Was Inventory of Prime Dumping Areas Completed? | Yes |
| Illegal Dump Clean Ups Completed | When found |

The table below summarizes the storm water activities the City plans to undertake during the next reporting cycle. Following this table are proposed changes to the BMPs originally proposed in the approved SWMP. The justification for the proposed changes is also identified in the summary below.

Table C: Illicit Discharge Detection and Elimination - July 2005 to June 2006

| BMP | Proposed Measurable Goal | Modified? | | Schedule | |
|--|--|-----------|----|--------------------|------------------------|
| | | YES | NO | Complete this year | Ongoing Implementation |
| 1a) Complete a citywide storm sewer map of all outfalls and the names of all receiving waters by June 30, 2007 and update each year thereafter. | Complete a citywide storm sewer map of all outfalls and the names of all receiving waters by June 30, 2007 and update each year thereafter. | | X | X | 1 |
| 1b) Distribute storm sewer map to emergency responders by June 30. | Distribute storm sewer map to emergency responders by June 30 and updates each year thereafter. | | X | | 2 |
| 1c) Storm Water Hotline in place by June 30. Develop procedures to respond to 100% of the calls received by the storm water hotline by June 30 and each year thereafter. | Storm Water Hotline in place by June 30. Develop procedures to respond to 100% of the calls received by the storm water hotline by June 30 and each year thereafter. | 3 | | | X |

| BMP | Proposed Measurable Goal | Modified? | | Schedule | |
|---|--|-----------|----------|--------------------|------------------------|
| | | YES | NO | Complete this year | Ongoing Implementation |
| 1d) Train staff that answer phones to properly direct calls to appropriate staff. | Train staff that answer phones to properly direct calls to appropriate staff. | | X | | 4 |
| 1e) In areas of the City known for dumping, conduct inspections at least once per month. | In areas of the City known for dumping, conduct inspections at least once per month. | 5 | | | X |
| 2a) Adopt Illicit Discharge Ordinance to prohibit non-storm water discharges by June 30. Ordinance will include provisions for enforcement. | Successful implementation will be measured by adoption of the Illicit Discharge Ordinance. | | X | | 6 |
| 2b) Inspect 100% of storm drain outfalls at least once each year for illicit connections and non-storm water discharges. | Measure success each year by the number of storm drain outlets inspected for illicit discharges and the type of non-storm water flows observed. | | X | | X |
| 2c) Develop procedures for City Staff to address non-storm water discharges by June 30 and each year thereafter. Procedures shall include enforcement of violations, and a tracking system for inspections and violations. | Measure success each year by the number of city employees that are trained each year to address non-storm water discharges. Successful implementation will also include employees properly following enforcement procedures in the tracking and enforcement of violations. | 7 | | | X |
| 2d) Establish a database to identify incidents of illicit discharges. The database will be used in conjunction with the storm water hotline. | Track implementation success over permit term by the number and type of calls received by the City's hotline and by City Staff. Identify the number of calls that result in investigation of discharge or enforcement action (verbal, written, citation) being taken. | 8 | | | X |
| 2e) Distribute brochures each year at the Annual Rocklin Clean Up Day to inform the public of hazards associated with illegal discharges and improper disposal of waste. | Measure success by the number of personal contacts made each year and the number of brochures distributed to residents at each of the drop off sites | 9 | | | X |
| 3a) Evaluate authorized non-storm water discharges to classify impact(s) at outfalls. | Successful implementation will include monitoring and education program for authorized non-storm water discharges and ability to classify impacts to receiving waters. | | X | | X |

Table Notes:

1. City staff has identified water-testing locations throughout the City that will be used to determine receiving water quality. The data will need to be collected over a period of several years to determine pollutant trends and help the city focus education and enforcement efforts. Some pollutants of concern include copper and fecal coliform. These pollutants have occurred downstream of the City boundaries. This reporting period will focus on setting a baseline for long-term trends. It is unknown at this time if copper is entering upstream outside the city, is from a single discharger, or is a cumulative effect from within the city. It is also unknown if coliform levels are due to human activity or from wildlife in city open space areas or some combination of the two.

2. Emergency responders (Battalion Chiefs) carry the outfall map in case of a Hazmat spill. This BMP is still being implemented due to the ongoing construction in the City. The BMP will be current by 2007. All outfalls have been identified. Sub drainage areas are now being identified to determine the surface to storm drain inlet to receiving water path.
3. A web-based reporting system has been installed. The public has used this system in lieu of the hotline. The web-based system has been used to report dumping and discharges.
4. Staff was trained when the web-based system was implemented.
5. One known dumping area is being developed with town homes. The City installed gates on two other areas. The City also prohibited parking in another area where trucks were dumping debris. Most dumping incidents are single items such as sofas or refrigerators, dumped on the side of the road. These items are collected by City staff and hauled to an approved disposal site.
6. Scheduled for a public hearing before City Council on October 11, 2005.
7. To be developed upon adoption of the city's illicit discharge & detection ordinance.
8. To be developed upon adoption of the city's illicit discharge & detection ordinance.
9. To be developed upon adoption of the city's illicit discharge & detection ordinance.

MCM IV: CONSTRUCTION SITE STORM WATER CONTROL

Narrative Overview

The City's stormwater program has been able to address some of the requirements of the permit through existing construction standards and practices. The City standards are enforced by City staff and site plan and subdivision reviews, which include erosion and sediment control plans. The City inspects construction sites to ensure that effective erosion and sedimentation control is being implemented. A draft grading ordinance and requirements for construction site operators to control waste is scheduled to go before City Council in 2007. Training materials and workshops are being developed by City staff for construction site operators, inspectors, and City maintenance personnel. The development of a grading ordinance will help enforcement efforts on construction projects.

The City saw many significant construction projects occur during this past year and has issued Notices to Comply on some of the erosion and sediment control measures. A few projects had sites with steep slopes that developed erosion problems after heavy rainfall, but the regular City inspections identified these problems and issued a Notice to Comply or a Stop Work Order until the deficiency was corrected. The greatest common problem identified by City Inspectors was the General Construction Permit holder's failure to keep their Storm Water Pollution Prevention Plan up to date and their inspections current.

Project plans developed during the site plan or subdivision approval process addressed erosion and sedimentation controls that would be necessary. The City required developers to use the most current and effective practices available. The City also required effective erosion and sediment control practices on City projects (road construction, structure construction, park and trail development) as necessary and will continue to use the most current and effective practices that are most appropriate for each project.

Table A: Construction Site Storm Water Control BMP Objectives, Measurable Goals, and Status - July 2004 to June 2005

| Objectives | | Status | | | | | |
|--|--|-------------|----------------|----------|-----------|---------|---------------|
| BMPs | Measurable Goals | Implemented | Not Applicable | Modified | Effective | Unknown | Not Effective |
| <ul style="list-style-type: none"> Develop a control program to reduce the potential for discharge of pollutants into urban runoff from construction sites. | | | | | | | |
| 2a) Adopt Grading Ordinance by June 30. | Successful implementation will be measured by adoption of the Grading Ordinance. | | | 1 | | | |
| 2b) Develop Erosion and Sediment Guidelines for the development/construction community by June 30. | Successful compliance will be measured each year by all construction projects being covered by either a current, up-to-date SWPPP or controls to reduce storm water pollution as outlined in the guidelines. | 2 | | | 3 | | |

Table Notes:

- Grading ordinance will be submitted to City Council in Summer 2006
3. Erosion and sediment control guidelines have been developed. Effectiveness is measured by a reduction in the number of sediment and concrete plugged storm drains. More construction sites are utilizing effective BMPs to reduce erosion and sediment. However, the majority of construction sites does not conduct regular inspections during the summer months and do not update their SWPPPs during the summer months.

Assessment Parameters

Listed in each table below are the results of information collected during the reporting period.

Table B: Construction Site Storm Water Runoff Control Assessment Parameters

| | July 2004-June 2005 |
|---|---------------------|
| BMP Inspections and Training | |
| 1b Sites Inspected for Compliance to Constr Site Runoff Programs | 178 |
| 1c Employees Trained in Development of Construction Projects | 3 |
| 1d Employees Trained in Plan Checking for BMPs | 3 |
| 1e City-Sponsored Training Programs | 1 |
| 1f Employees Trained to Inspect Construction BMPs | 3 |
| 2b Construction Sites Inspected for SWPPP Compliance | 178 |
| 3a Sites Inspected for Compliance to Runoff Programs | Pending 05-06 |
| 3b Water Quality Complaints Received Relating to Construction | Pending 05-06 |
| 3c Sites Inspected for Compliance to BMP Checklists | Pending 05-06 |

The table below summarizes the storm water activities the City plans to undertake during the next reporting cycle. There are no changes proposed for this minimum control measure.

Table C: Construction Site Storm Water Control - July 2005 to June 2006

| BMP | Proposed Measurable Goal | Modified? | | Schedule | |
|--|--|-----------|----------|--------------------|------------------------|
| | | YES | NO | Complete this year | Ongoing Implementation |
| 1a) Procedures for review of site plans that incorporate water quality impacts have been developed and shall be implemented during the full permit term. | Successful implementation will be measured by development of procedures to annually train City staff by June 30, 2004 . | | 1 | | X |
| 1b) Procedures for inspection and enforcement of construction control measures for construction sites greater than one acre have been developed and shall continue throughout the permit term. Establish additional criteria to identify high priority sites by June 30. Visit each construction site at least twice a month and each high priority site once a week. | The number of construction sites complying with the construction site runoff programs will measure successful compliance each year. | | 2 | | X |
| 1c) Procedures in place by June 30 to annually train City staff in development of construction projects. Construction development will include preparation of conditions of approval, plan, and specification development, and SWPPP preparation. | Measure success each year by the number of personnel completing the training program. | 3 | | | X |
| 1d) Training program in place by June 30 to annually train plan check staff to check structural and non-structural BMPs. | Measure success each year by the number of training sessions offered and the number of personnel trained in plan checking of structural and non-structural BMPs. | | 4 | | X |
| 1e) Continue to sponsor biannual training for construction industry, City inspection and maintenance staff, and development engineers each year of the permit period. | Measure success each year by the number of personnel completing the training program. | | 5 | | X |

| BMP | Proposed Measurable Goal | Modified? | | Schedule | |
|--|--|-----------|----------|-----------------------|---------------------------|
| | | YE S | NO | Complete this year | Ongoing Implementation |
| 1f) Public Works inspectors trained annually to inspect construction BMPs. | Measure success each year by the number of personnel completing the training program. | | 6 | | |
| 1-g) Develop procedures to respond to 100% of the calls received by the Storm Water Hotline by June 30 and each year thereafter. | | 7 | | | X |
| 2a) Adopt Grading Ordinance by June 30. | Successful implementation will be measured by adoption of the Grading Ordinance. | 8 | | | |
| 2b) Develop Erosion and Sediment Guidelines for the development/ construction community by June 30. | Successful compliance will be measured each year by all construction projects being covered by either a current, up-to-date SWPPP or controls to reduce storm water pollution as outlined in the guidelines. | 9 | | | X |
| 3a) Strive for 100 percent compliance with local and SWRCB's construction site runoff control programs. | The number of construction sites complying with the construction site runoff programs will measure successful compliance each year. | | X | | X |
| 3b) Strive for zero complaints from the public regarding hydrological and water quality impacts from construction sites. | Successful compliance will be measured each year by a reduction in the number of construction and building related complaints regarding water quality. | | X | | X |
| 3c) Strive for full compliance with inspection checklists (i.e., inspection checklists show that all construction sites are implementing BMPs and meeting permit requirements) and measurable parameters. | The number of construction and building sites complying with inspection checklists will measure successful compliance each year. | | X | | X |

Table Notes:

1. The City requires erosion and sediment control measures on project plans. Construction standards also require installation of sand and oil traps on all new construction projects.
2. A checklist has been developed for inspectors on construction sites. Inspection areas include erosion and sediment control, construction entrances, material handling and good housekeeping.
3. Conditions of approval applied to projects within the City must implement effective erosion and sediment control measures on all projects greater than one acre. Standard plans include sand and oil traps on all new projects or projects that propose drainage modifications.
4. Plan check staff has been trained. Training not necessary, since staffing levels have remained consistent during the last two reporting periods.
5. No training for the construction industry was provided in 2005. The City is looking into a web-based training program or CD Rom that can be offered or sold to builders. The program would include a list of resources, websites, and City construction requirements for construction projects.
6. Inspectors have been trained. Training not necessary, since staffing levels have remained consistent during the last two reporting periods.
7. All stormwater related calls are routed through the City's web-based program, "Access Rocklin". The system is designed to track all calls, e-mails, and other correspondence until they are resolved.
8. Grading ordinance will be submitted to City Council in Summer 2006
9. See Note Number 5 above.

MCM V: POST-CONSTRUCTION STORM WATER MANAGEMENT

Narrative Overview

The City's stormwater management program has addressed many of the requirements of the permit through revised construction standards and by developing conditions of approval that require the new development to annex into a Community Facilities District (CFD) in order to finance the ongoing maintenance of the development. The City has been supporting watershed assessments for various creeks in the Dry Creek watershed. The City, through subdivision and site plan checks, conducts reviews to make sure permanent stormwater facilities are included in the project, and that ample easements leading to outfalls are wide enough to provide an area for the inspection and maintenance programs for permanent facilities.

The City of Rocklin is subject to Attachment 4 (Supplemental Provisions) of the General Permit. Implementation of these provisions include new design standards, open space conservation, replacement of landscape turf and overhead irrigation with drought resistant vegetation and drip irrigation. The following are a list of items that the city implemented in order to comply with the Attachment 4 Provisions:

1. Require new projects to provide detention/retention so post development stormwater runoff rates do not exceed predevelopment runoff flow rates.
2. Require developers to set aside open space areas and prepare an open space maintenance and operation plan along with a viable financing plan for the operation and maintenance of open space areas.
3. City Council directed staff to prepare an Urban Forest Plan that identifies activities for a sustainable tree canopy in city parks, street landscape, and open space areas. The plan also identifies tree species most compatible within Rocklin public and private landscape areas and goals and objectives for native oak tree propagation.
4. The city has taken steps to minimize pollutants of concern. At the beginning of the permit term, the pollutants that staff had identified were associated with the following activities:
 - a. Concrete that was being washed or dumped into storm drains. Concrete pollution was primarily associated with new construction, homeowner remodeling, or swimming pool construction. Public education and construction inspection BMPs have reduced this pollutant of concern.
 - b. Erosion and sediment pollution have been reduced through a combination of outreach, inspection, structural controls and natural vegetative filtration techniques.
 - c. Recent water sampling and benthic macro invertebrate population diversity suggests that water quality impacts in Rocklin are due to sediment loads and nutrient loads. As noted in 4a and 4b above, City staff will rely on education and outreach to the construction and residential community. Staff has established permanent sampling stations within the city and at the city boundaries to determine if pollutants are entering the city, or originating within the city. The City Council will discuss the adoption of an illicit discharge and detection ordinance at their October 11, 2005 meeting.

- d. Construction related dust is a pollutant of concern. Air borne dust when settled or washed by rain into drainage systems contributes to total suspended solids found in the drainage system. Conditions of approval for all new construction projects and redevelopment projects have been added to projects that require dust control measures such as; the covering of loads when transporting materials, and when wind speeds are greater than 25mph, grading and earth-moving operations must cease and dust control measures take precedence on the job site.
5. Project plans that require city approval include slope protection, energy dissipaters, and drought tolerant vegetation and/or native grasses to protect manufactured slopes. Projects also must locate pipe outfalls away from the low flow level of creeks. This permits storm runoff to flow over vegetation before entering creeks.
6. All new construction within the city requires storm drain stenciling/labels/concrete stamps that state “No Dumping Flows to Creek” or “No Dumping Flows to Wetlands”. Older areas of the City are retrofitted with a graphical decal that contains the same message. The decals are attached to the storm drain inlets by volunteers.
7. The city’ standard conditions of approval require that all commercial trash enclosures shall be enclosed.
8. Public Works staff annually inspects sand and oil traps and maintains the traps every 2 to 3 years.
9. Draft design standards for structural or treatment control BMPs have been developed in partnership with other jurisdictions in the region. Both volumetric treatment and flow based standards have been developed and will be in place by the end of the current reporting period.
10. Retail gasoline outlets are required to comply with the requirements of Attachment 4.

The City is committed to implement the requirements of Attachment 4 by the end of the permit term. Not all of the Attachment 4 goals have been met. Most of the significant construction projects that have occurred in the City this past year required either improvement to an existing stormwater facility or development of new permanent facilities. Since these permanent facilities are so new, the ultimate effectiveness may not be known for several years. Similar facilities developed as part of older projects have been working properly. The City will continue to require developers to use the most current and effective practices available.

Table A: Post-Construction Storm Water Management BMP Objectives, Measurable Goals, and Status - July 2004 to June 2005

| Objectives | | Status | | | | | |
|--|---|-------------|----------------|----------|-----------|---------|---------------|
| <ul style="list-style-type: none"> Reduce the potential for discharge of pollutants into urban runoff from new development and redevelopment areas by using a strategy that combines managing site runoff volumes and flow rates, such that they are similar to preconstruction levels, reducing/eliminating sources of pollutants. | | Implemented | Not Applicable | Modified | Effective | Unknown | Not Effective |
| BMPs | Measurable Goals | | | | | | |
| 2a) Reduce directly connected impervious surfaces in new developments and redevelopment projects by requiring that grassed swales or filter strips be incorporated into the project design. | The number of projects that incorporate natural and man made grassed swales and filter strips into the project design. | 1 | | | | 2 | |
| 2b) Develop a program for maintenance of structural storm water controls by conducting an inventory of structural runoff controls. Integrate GIS to locate these controls with scheduled for regular inspection and maintenance. | Successful implementation will be measured by adoption of O&M maintenance procedures. Implementation will be measured and reported by development of an identification and maintenance program for all structural and non-structural runoff controls located within the City. | | | 3 | | | |
| 2c) Adopt enforcement guidelines for illicit discharges. | Successful implementation will be measured by adoption of the enforcement guidelines. | | | 4 | | | |

Table Notes:

1. New developments and environmental documents require the use of vegetative filter strips, grassy swales to treat runoff from impervious surfaces.
2. The impact of this BMP is unknown. City staff is trying to establish a "Baseline" of water quality parameters to see if water quality improves over time. Any improvement in water quality will not be attributed to 1 BMP, but a combination of BMPs.
3. All structural controls within the city right of way are inspected annually. Inspection procedures for structural controls on private property are being developed by city staff.
4. To be developed upon adoption of the city's illicit discharge & detection ordinance.

Assessment Parameters

Listed in each table below are the results of information collected during the reporting period.

Table B: Post-Construction Storm Water Management Assessment Parameters

| | July 2004 - June 2005 |
|---|-----------------------|
| Infrastructure Planning | |
| 1a New Development Projects Using BMPs | All after 2003 |
| 1b Projects that Identified and Mitigated Impacts Under CEQA | All |
| 1d Projects Incorporating Revised Construction Standards | All after 2003 |
| Illicit Discharge & Detection and Grading Ordinance | |
| 1c Draft Enforcement Guidelines Developed | In progress |

Additional Actions Measured

| | |
|---|-------------|
| Urban Forestry Study Prepared | In progress |
| Native California Trees Planted Per Jepson Manual | 105 |

The table below summarizes the storm water activities the City plans to undertake during the next reporting cycle. Following this table are proposed changes to the BMPs originally proposed in the approved SWMP. The justification for the proposed changes is also identified in the summary below.

Table C: Post-Construction Storm Water Management - July 2005 to June 2006

| BMP | Proposed Measurable Goal | Modified? | | Schedule | |
|--|--|-----------|----------|--------------------|------------------------|
| | | YES | NO | Complete this year | Ongoing Implementation |
| 1a) Develop policies that include structural and/or non-structural BMPs that will be incorporated in the City's General Plan update. Policies will include the following: <ul style="list-style-type: none"> • Minimize impervious area • Control pollutants by eliminating or reducing potential new sources • Install treatment controls, as appropriate to the site • Participate in the funding of Regional/City-level BMPs in accordance with a Regional/City-level plan | Report implementation progress each year. Successful implementation will be measured by the number of projects, with conditions of approval, requiring the implementation of structural and non-structural BMPs. | | X | | X |
| 1b) Apply the California Environmental Quality Act to Identify and Mitigate Project Impacts on Storm Water as part of the project approval process. | Successful implementation will be the number of projects each year that identify and mitigate the water quality impacts under CEQA. | | X | | X |

| BMP | Proposed Measurable Goal | Modified? | | Schedule | |
|---|---|-----------|----------|--------------------|------------------------|
| | | YES | NO | Complete this year | Ongoing Implementation |
| 1c) Develop draft enforcement guidelines to help enforcement personnel. Guidelines will incorporate Illicit Discharge & Detection and Grading Ordinance identified in MCM III. | Successful implementation will be measured by completion of the draft enforcement guidelines. | | X | X | |
| 1d) The City has updated existing construction plans and specifications to include structural controls in new development, which began in Dec. 2002. Beginning in January 2003 to the end of the permit period, the City will incorporate the new standards in new and redevelopment projects. | Report implementation progress each year. The number of projects incorporating revised construction standards will measure successful implementation. | | X | | X |
| 2a) Reduce directly connected impervious surfaces in new developments and redevelopment projects by requiring that grassed swales or filter strips be incorporated into the project design. | The number of projects that incorporate natural and man made grassed swales and filter strips into the project design. | | 1 | | X |
| 2b) Develop a program for maintenance of structural storm water controls by conducting an inventory of structural runoff controls. Integrate GIS to locate these controls with scheduled for regular inspection and maintenance. | Successful implementation will be measured by adoption of O&M maintenance procedures. Implementation will be measured and reported by development of an identification and maintenance program for all structural and non-structural runoff controls located within the City. | 2 | | | X |
| 3a) Conduct 2 inspections per year and conduct regular maintenance on city owned structural controls as prescribed for each type of control structure for the remainder of the permit term. | Maintenance and inspection records will be kept on all structural control appurtenances and included in the annual report to the RWQCB. | | 3 | | X |
| 3b) Develop and implement a storm water guidance or design manual that include standards designed to control runoff impacts. Building site designs will comply with the criteria specified in the manual. | Successful implementation will include completion of site design guidelines or manual and the number of new building permits issued each year that incorporate the new design practices. | | 4 | | |

Table Notes:

1. This BMP is a standard condition of approval for new projects in the City. Where feasible, this BMP is applied on redevelopment and infill projects.
2. All structural controls within the city right of way are inspected annually. Inspection procedures for structural controls on private property are being developed by city staff.
3. Currently being implemented. Began this BMP in 1997.
4. The City refers to *Start at The Source-Design Guidance Manual for Stormwater Quality Protection*, 1999 Edition by the Bay Area Stormwater Agencies Association.

MCM VI: POLLUTION PREVENTION AND GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

Narrative Overview

The City's stormwater program has made progress towards meeting the requirements of pollution prevention and good housekeeping for municipal operations. The majority of requirements in this section involve existing practices, facilities, and equipment used by the City's Public Works Department. The City currently cleans drain inlets, sand and oil traps, and creeks.

The used oil and other fluids are collected in containers that are equipped with overflow preventers. A recycler picks up all waste fluids. The Fleet Services Division recycles antifreeze on site. The City will continue to clean oil separator units as needed and maintain the storage facilities on site. The City has recently completed training for emergency responders using the incident command system. Public Works staff attended this training along with the Fire and Police Department. Battalion Chiefs carry a copy of the city storm drain map in the event of a Hazmat spill. In the event of a major spill, the city would establish an emergency operations center using the incident command system.

Field crews currently use fiber rolls, catch basin and sand-oil trap cleaning, and specialized seed mixes that match the ecological conditions for post-construction maintenance activities. The City will gradually develop formal plans for many of these practices and will continue to use the most current and effective practices available.

Table A: Pollution Prevention and Good Housekeeping for Municipal Operations BMP Objectives, Measurable Goals and Status - July 2004 to June 2005

| Objectives | | Status | | | | | |
|--|---|-------------|----------------|----------|-----------|---------|---------------|
| <ul style="list-style-type: none"> Identify, develop, and implement BMPs/good housekeeping procedures and training programs to address urban runoff pollution associated with municipal operations. | | Implemented | Not Applicable | Modified | Effective | Unknown | Not Effective |
| | | | | | | | |
| BMPs | Measurable Goals | | | | | | |
| 2a) Implement annual cleaning program of sand and oil traps. | Measure changes in the amount of trash, sediment, and debris found in the City's sand and oil traps. | 1 | | | 2 | | |
| 2b) Incorporate reporting procedures from the City's Hazmat spill response program into the City's SWMP by June 30. | Measure success each year by preventing hazmat from entering the City's storm drain system. | 3 | | | 4 | | |
| 2c) Establish a program for handling and storage of hazardous waste and train City employees by June 30. | Measure success each year by the number of employees trained each year and the number of training sessions sponsored by the City. | 5 | | | 6 | | |
| 2d) Establish a maintenance and inspection schedule for BMP compliance at City facilities. | Measure success each year by the increase of proper BMP compliance at City Facilities. | 7 | | | X8 | X | |
| 2e) Develop a web page brochure informing pool owners their options for discharging pool water by June 30. | Measure success each year by the number of "hits" to the website and the reduction in the number of pool owners draining pool water directly into the storm drain system. | | | 8 | | | |

Table Notes:

- Incorporated into the inspection program.
- Cleaned every 2 to 3 years based on the amount of trash and debris that is collected in each sand & oil trap.
- Public Works Staff trained jointly with the Fire Department to respond to Hazmat spills. Fire and Public Works are trained in spill response and reporting procedures.
- Public Works and Fire Crews carry absorbent material to prevent Hazmat from entering the storm drain system.
- Employees have been train in Hazmat Handling. Employees have also been train in transportation procedures.
- Employees complete training in 2004. New employees will be scheduled in 2006.
- Procedures are in place for the city corporation yard. Procedures will need to be developed for other city facilities in 2006.
- A draft brochure has been completed and will be ready for distribution in 2005

Assessment Parameters

Listed in each table below are the results of information collected and analyzed during the reporting period.

Table B: Pollution Prevention and Good Housekeeping Assessment Parameters

| | July 2004 - June 2005 |
|--|--|
| Parking Lot and Street Cleaning | |
| 1c Scheduled Road Cleanings (C = Commercial, R = Residential) | C: Weekly / R: Monthly |
| Storm Drain System Cleaning | |
| 1b City Facilities Inspected for Water Quality Impacts | 1 |
| 1e Storm Drain Inlets/Outlets/Sand & Oil Traps Inspected Regularly | All in City right-of-way |
| 1d Employees Trained in Disposal of Waste from Storm Sewer | 9 |
| 1f Household Hazardous Materials Brochures Distributed | 0 |
| 2e Pool Water Discharge Brochures Distributed | 0 |
| Illegal Dumping Control | |
| 1g Common Illegal Dumping Sites Identified | Public Works (dispatched by Police Dept) |
| 1g Dump Sites Cleaned Up | All in City right-of-way |
| Pest Control | |
| 3b Employees Trained In Pest Management | |

Additional Actions Measured

| | |
|---|---|
| Hazardous Materials Storage | |
| Employees Trained In Hazardous Materials Storage | 25 plus Fire Department Staff |
| Landscaping and Lawn Care | |
| Personnel Trained in Pesticide/Fertilizer Application | 7 |
| Materials Management | |
| Personnel Trained in Hazardous Material Handling | 25 plus Fire Department Staff |
| Hazardous Materials Inventory Created For Each Facility | 1 (Public Works Corporation Yard) |
| Spill Response and Prevention | |
| Spill Response Plan Developed For Municipal Facilities | Public Works Corporation Yard |
| Employees Trained In Spill Response | All City employees for fueling facility |

The table below summarizes the storm water activities the City plans to undertake during the next reporting cycle. Following this table are proposed changes to the BMPs originally proposed in the approved SWMP. The justification for the proposed changes is also identified in the summary below.

Table C: Pollution Prevention & Good Housekeeping for Municipal Operations - July 2005 to June 2006

| BMPs | Proposed Measurable Goal | Modified? | | Schedule | |
|---|---|-----------|----|--------------------|------------------------|
| | | YES | NO | Complete this year | Ongoing Implementation |
| 1a) Inventory City facilities and operations to determine what operations and facilities may impact water quality. Inventory will also include identification of City facilities where hazardous material is kept. Develop BMPs for these facilities by June 30, 2006. | Successful implementation is measured by completion of a hazardous facilities map. | | X | 1 | |
| 1b) Conduct monthly inspections of City facilities and operations to identify possible water quality impacts. Complete first set of inspections by June 30, 2006 and continue to the end of the permit term. | Measure success each year by correction of any water quality problems at City facilities. | | X | 2 | |
| 1c) Continue to sweep City streets for duration of permit. | | | X | | X |
| 1d) Establish inspection and maintenance program for catch basins and storm drain inlets once before the onset of the wet season (before October 1 of each year). | Measure success each year by completing annual inspection prior to Oct. 1. Records will be used to detect problem areas, and types of debris. Also, success will be measured by a reduction in the amount of floatables and debris in sand and oil traps, and catch basins. | | X | | 3 |
| 1e) Develop procedures for the proper disposal of waste from storm sewer system maintenance by June 30. | Measure success by developing processes to train maintenance employees on the proper procedures for disposing waste from the storm sewer system. | | X | | 4 |
| 1f) Develop a web page brochure for storage and/or disposal of hazardous materials in the home by June 30. | Measure success each year by the number of "hits" to the website. | X | | 5 | |
| 1g) Identify areas within the City with repeated illegal dumping incidences for distribution to first responders and clean up crews by June 30. | Measure success each year by a reduction in the number of illegal dumping incidences and a reduction in the amount of debris being dumped. | | X | | 6 |
| 2e) Develop a web page brochure informing pool owners their options for discharging pool water by June 30, 2006. | Measure success each year by the number of "hits" to the website and the reduction in the number of pool owners draining pool water directly into the storm drain system. | 7 | | | |

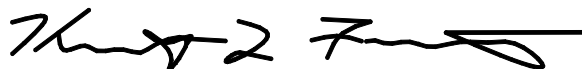
| BMPs | Proposed Measurable Goal | Modified? | | Schedule | |
|--|--|-----------|----------|--------------------|------------------------|
| | | YES | NO | Complete this year | Ongoing Implementation |
| 3a) Promotion of recycling to minimize street litter. | Measure success each year by a reduction in the amount of litter picked up by volunteers during City sponsored clean up days and a reduction the quantity of floatables found in sand and oil traps. | | X | | |
| 3b) Develop an Integrated Pest Management Program training program for City employees by June 30, 2006. | Measure success each year by a reduction in pesticide use per acre on City owned facilities. | | X | | |

Table Notes:

1. This BMP has not been completed. The City's Corporation Yard has been identified as a facility where hazardous material is stored. However, other facilities have not been inventoried. The City's Corporation Yard uses appropriate BMPs to keep hazardous material out of the environment.
2. Implementation of this BMP has not started.
3. Liquid waste is discharged to the sanitary sewer system. The solid waste and floatables are sent to the landfill.
4. Liquid waste is discharged to the sanitary sewer system. The solid waste and floatables are sent to the landfill.
5. A draft brochure has been completed and will be ready for distribution in 2005.
6. Dumping areas have been identified and are inspected regularly.
7. A draft brochure has been completed and will be ready for distribution in 2005.

CERTIFICATION

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



10/07/2005

Signature of Permittee (legally responsible person)

Date Signed

Kent L. Foster

Director of Public Works

Name (printed)

Title