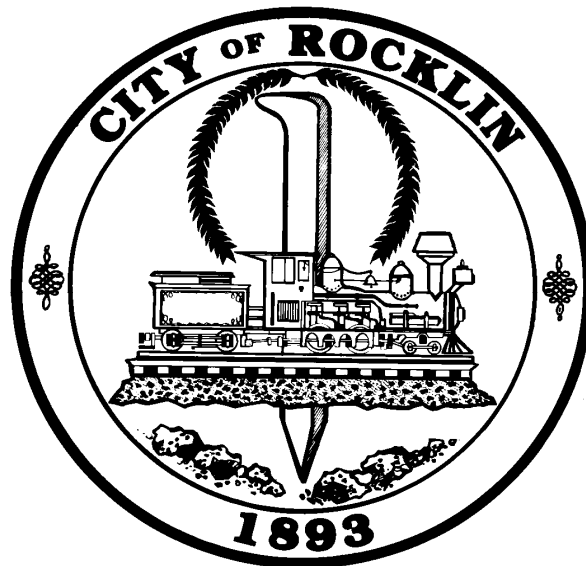


**ANNUAL REPORT  
GENERAL PERMIT FOR THE DISCHARGE OF  
STORMWATER FROM SMALL MUNICIPAL  
SEPARATE STORM SEWER SYSTEMS  
(GENERAL PERMIT)**

**Reporting Period  
March 10, 2003 to June 30, 2004**



**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 Ct.
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<sup>th</sup> of each year. The City of Rocklin requested an extension to the September 15<sup>th</sup> deadline from the Regional Water Quality Control Board (RWQCB) and was granted an extension to December 15<sup>th</sup>.

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 incorporated six minimum control measures (MCM), these being:

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

The City has made steady progress on implementing MCMs of the Stormwater Management Program. One measure has been the publishing of a stormwater pollution prevention article in the City’s Annual Report, which was mailed to all residents and businesses in the city. Another measure was the development of a stormwater web page on the City of Rocklin’s Internet site. The City is now in the process of identifying and mapping all drainage systems and outfalls using Global Positioning System (GPS). Staff is also in the process of drafting an illicit discharge ordinance and a separate grading ordinance. Current practice requires control of stormwater runoff from construction sites and the installation of stormwater facilities to treat runoff from newly developed areas. These are required through site plan and subdivision reviews.

The City, on a continual basis, routinely inspects construction sites to insure compliance with erosion and sediment control procedures. The City’s efforts have resulted in a reduction of sediment loads that have been discharged into the city’s storm drain system. Although the city does not have

a quantifiable sediment load reduction, the reduction is based on visual inspection of drain outlets and inlets adjacent to construction sites, and a reduction of street flooding calls that are related to sediment laden drain pipes. However, the main construction related challenge that faces the city is the increase in turbidity from construction sites. Procedures are also in place to address pollution prevention associated with activities carried out by City staff both in the field and at the City's Corporation Yard. This includes regular cleaning of stormwater catch basins and sand and oil traps, facility inspections, and measures to re-establish vegetation on potentially erosive sites, and improved management of pesticide application.

The City also recently completed renovations to its Corporation Yard (Spring 2003) that improved the treatment of runoff from the site, and improved material storage procedures. The City also worked with the Dry Creek Conservancy in water quality monitoring activities and Creek Week activities. The protection of water quality in our streams and open space areas is an important goal of the City of Rocklin.

## **MINIMUM CONTROL MEASURES**

The tables immediately following the narrative section summarize the following:

- The status and effectiveness of BMPs and measurable goals are summarized in Table A.
- Assessment Parameters are identified in Table B, with the quantifiable information listed separately under each assessment parameter.
- Proposed modifications to the SWMP and anticipated changes to the schedule are listed in Table C.

## **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 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 Boy Scouts of America, the Dry Creek Conservancy, Citizen's Involved Means Better Living (CIMBL), the Rocklin High School Earth Club, and various other citizen volunteers through activities such as tree planting, litter pick-up, and habitat restoration.

The City recently developed a web page on the City's Internet site specifically for contractors. The information describes what construction runoff is, the effect it has on creeks and waterways, and what contractors can do to prevent runoff pollution. The City has also published a stormwater related article in the City's Annual Report that explains what stormwater runoff is, how pollutants get picked up in runoff, and what residents can do to minimize pollutants from entering stormwater runoff. The Annual Report also published locations for disposal of household chemicals, motor oil,

and pesticides, along with a listing of the City's Stormwater Hotline.

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 in 2005.

**Table A: Public Education and Outreach BMP Objectives, Measurable Goals, and Status**

Objectives		Status (See Notes Below)					
<ul style="list-style-type: none"> <li>Understand and influence public awareness, perceptions, and attitudes toward urban runoff pollution and its impact on the community's water resources.</li> <li>Educate the community about specific pollutant sources, and what they can do to reduce urban runoff pollution (alternative pollution prevention solutions).</li> <li>Gain public support for the program, along with funding initiatives and volunteer help.</li> <li>Achieve greater public compliance with the program's objectives.</li> </ul>		Implemented	Not Applicable	Modified	Effective	Unknown	Not Effective
BMPs	Measurable Goals						
<b>1a)</b> Incorporate the Basic Message into the City of Rocklin Annual Report to the Community and distribute to 100% of Rocklin residents and businesses by Dec. 31 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				2	
<b>1b)</b> Web based outreach site in place by Sept. 1.	Track implementation success over the permit term by the number of "Hits" and follow up requests for information.	3			4		
<b>1c)</b> 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.			5			
<b>1d)</b> Prepare Pet Waste Management Brochures to be distributed at the City's dog license counter and by the ACO, by September 1 <sup>st</sup> 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.			6			
<b>1e)</b> 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.	7				8	

Table Notes:

- 1&2. 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.
- 3&4. This BMP was implemented late (after September 1<sup>st</sup>); however, residents have successfully used the web based outreach program. The Public Works Department has received 253 inquiries to date, with 43 (or 17%) of the inquiries being water quality related.
- 5. No press release has been prepared. This BMP will be completed by June 2005.
- 6. No Pet Waste management brochures have been prepared. This BMP will be completed by June 2005.
- 7&8. The City has installed the Pet Waste signs in City Parks. The effectiveness of this BMP is unknown.

## 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**

	March 2003-June 2003	July 2003-June 2004
<b>Pet Waste Management</b>		
Number of "Clean Up After Your Pet" Signs	26	2
<b>Trash Management</b>		
Amount of Trash Removed by Volunteers (30 gal. bags)	7	101
Number of Trash Controls Installed (Sand & Oil Traps)	3	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 1, 2004 to June 30, 2005**

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
<b>2a)</b> All unmarked storm drain inlets in the City's right-of-ways shall be stenciled or labeled by the end of the permit term.	Track implementation success by the number of volunteers labeling storm drain inlets, and the number of storm drains stenciled each year.		X		X
<b>2b)</b> 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		X
<b>2c)</b> Develop partnership agreement with RUSD to distribute educational material.	Obtain approval from RUSD to jointly prepare and distribute educational material.		X		X
<b>2d)</b> Conduct two workshops/training seminars per year targeting homeowner associations and residential maintenance activities that impact 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. The number of attendees that participate in each workshop will be used to measure success.		X		X
<b>2e)</b> Continue implementing BMPs 1a, 1c, & 1d			X		X

## **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 regularly 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 regularly provides opportunities for public input at various council and committee 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 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 also cooperates with other MS4 regulated municipalities in Placer County. The City will continue to make progress in providing opportunities for public input on the Stormwater Management Program in the coming years. The City will strive to identify and contact particular individuals or groups that have a special interest or concern in the City's Stormwater Management Program and the progress being made to implement it. The City will continue to be involved with other regulated MS4s and coordinating agencies or organizations to find ways to increase public involvement and participation in the process.



**Table A: Public Involvement and Participation BMP Objectives, Measurable Goals and Status**

Objectives		Status (See Notes Below)					
<ul style="list-style-type: none"> <li>Raise public awareness about urban runoff pollution through involvement.</li> <li>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.</li> <li>Convince the community that water quality can be improved through community participation.</li> </ul>		Implemented	Not Applicable	Modified	Effective	Unknown	Not Effective
BMPs	Measurable Goals						
<b>1a)</b> 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			
<b>1b)</b> 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			
<b>1c)</b> 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			
<b>1d)</b> 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 that are cleaned up.	4			5		

Table Notes:

- Staff will report to City Council by June 2005.
- One meeting has been held with the Rocklin Chamber of Commerce. The remaining two meetings will be part of the City’s ongoing outreach effort.
- No neighborhood meetings have been held to date. The meetings will be scheduled in 2005.
- 4&5. The City co-sponsored two Creek Week events. One event was held in 2003 and one in 2004. Another event is scheduled for 2005.

## 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**

	March 2003-June 2003	July 2003-June 2004
<b>Creek Week</b>		
Number of Participants	25	50
Quantity of Trash and Debris Removed (30-Gallon Bags)	30	75
<b>Community Hotline and Internet Access</b>		
Number of Calls	0	0
Number of Problems/Incidents Resolved	0	0
<b>Reforestation Programs</b>		
Number of Trees Planted	75	100
<b>Storm Drain Stenciling</b>		
Number of Drains Stenciled	0	75
<b>Volunteer Monitoring</b>		
Number of Volunteer Monitoring Stations In Watershed	0	0

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 1, 2004 to June 30, 2005**

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
<b>2a)</b> 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.		X		X
<b>2b)</b> The City will hold an annual 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 the number of measurable parameters that are formally adopted for the following year.		X		X
<b>2c)</b> Begin measuring the quantity of trash and debris removed by Creek Week and/or Adopt a Watershed volunteers.	Measure success each year by the number of volunteers attending a Creek Week event, the number of creek miles that are cleaned up, and the quantity of trash and debris removed by volunteers.		X		X
<b>2d)</b> Continue implementing BMPs 1a, 1b, 1c, and 1d.			X		X

## **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 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 of Rocklin did not identify any illicit discharges in 2003.

To better monitor and reduce pollutants from entering the system, the City is updating its storm water out fall maps. The updated data will be entered into an electronic map using GIS software, which is available and readily used by City staff. This information will help City staff during outfall inspections. The City plans to continue mapping other areas of the City with the goal of creating a complete GIS database and map of all outfalls and receiving waters.

The City also currently has a comprehensive aerial photo tied to our GIS base map that was developed under contract with the City's Information Services Division, and is used regularly by staff. 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 and Elimination BMP Objectives, Measurable Goals, and Status**

Objectives		Status					
<ul style="list-style-type: none"> <li>Develop a thorough working knowledge of the City’s storm drain system, including the location of all inlets and outfalls and the receiving waters.</li> <li>Eliminate improper physical connections to the storm drain system.</li> <li>Prevent improper disposal of illicit wastes through public education, provision of appropriate disposal alternatives, and enforcement of an illicit discharge ordinance.</li> <li>Be prepared to contain and clean up accidental spills using proper methods of cleanup and disposal.</li> </ul>		Implemented	Not Applicable	Modified	Effective	Unknown	Not Effective
		BMP	Measurable Goal				
<b>1a)</b> Complete a citywide storm sewer map of all outfalls and the names of all receiving waters by December 31 <sup>st</sup> and update each year thereafter.	Complete a citywide storm sewer map of all outfalls and the names of all receiving waters by Dec. 31 and update each year thereafter.	1			2		
<b>1b)</b> Distribute storm sewer map to emergency responders by December 31 <sup>st</sup> .	Distribute storm sewer map to emergency responders by Dec. 31 and updates each year thereafter.	3			4		
<b>1c)</b> Storm Water Hotline in place by December 31 <sup>st</sup> . Develop procedures to respond to 100% of the calls received by the storm water hotline by December 31 <sup>st</sup> and each year thereafter.	Storm Water Hotline in place by Dec. 31. Develop procedures to respond to 100% of the calls received by the storm water hotline by Dec. 31 and each year thereafter.	5		6	7		
<b>1d)</b> Train staff that answer phones to properly direct calls to appropriate staff.	Train staff that answer phones to properly direct calls to appropriate staff.	8		9	10		
<b>1e)</b> 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.	11			12		
<b>1f)</b> Complete a Draft Illicit Discharge Ordinance to prohibit non-storm water discharges by December 31 <sup>st</sup> . Ordinance will include provisions for enforcement.	Complete a Draft Illicit Discharge Ordinance to prohibit non-storm water discharges by Dec. 31. Ordinance will include provisions for enforcement.	13					

Table Notes:

- 1&2. This BMP is still being implemented due to the ongoing construction in the City.
- 3&4. Emergency responders (Battalion Chiefs) carry the outfall map in case of a Hazmat spill.
- 5,6&7. 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.
- 8,9&10. Staff was trained when the web-based system was implemented.
- 11&12. 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.
- 13. Draft Ordinance has been drafted and is scheduled to go to City Council in 2005.

## 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**

	March 2003-June 2003	July 2003-June 2004
<b>Illicit Connection Identification</b>		
Number of Illicit Connections Found	0	0
<b>Illegal Dumping</b>		
Number of Illegal Dumps Reported By Citizens	2 (Ongoing)	2-Gated & Posted No Parking
Was Inventory of Prime Dumping Areas Completed?	Yes	Yes
Number of Illegal Dump Clean Ups Completed	3	1

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 1, 2004 to June 30, 2005**

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
<b>2a)</b> Adopt Illicit Discharge Ordinance to prohibit non-storm water discharges by December 31 <sup>st</sup> . Ordinance will include provisions for enforcement.	Successful implementation will be measured by adoption of the Illicit Discharge Ordinance.		X	X	
<b>2b)</b> 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
<b>2c)</b> Develop procedures for City staff to address non-storm water discharges by December 31 <sup>st</sup> 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.		X		X
<b>2d)</b> 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 staff. Identify the number of calls that result in investigation of discharge or enforcement action (verbal, written, citation) being taken. All calls will be categorized and response documented.	1			X
<b>2e)</b> Distribute brochures 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 clean up day drop off sites.		X		X
<b>2f)</b> Continue implementing BMPs 1a,1b,1c,1d,1e,2b,2c,2d, and 2e	Successful implementation will include monitoring and an education program for authorized non-storm water discharges, and ability to classify impacts to receiving waters.		X		X

Table Notes:

1. Web-based reporting is in use in lieu of hotline. The web-based system logs the complaint in its own database.

## **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 2005. Training materials and workshops are being developed by City staff and 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, including mass grading on a recently annexed area into the city. The grading is part of the Whitney Ranch Subdivision that lies adjacent to open space parcels and the Pleasant Grove Tributary. The City 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 either issued a Notice to Comply or a Stop Work Order until the deficiency was corrected. The greatest common problem identified by City Inspectors is 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**

Objectives		Status					
<ul style="list-style-type: none"> <li>Develop a control program to reduce the potential for discharge of pollutants into urban runoff from construction sites.</li> </ul>		Implemented	Not Applicable	Modified	Effective	Unknown	Not Effective
BMPs	Measurable Goals						
<b>1a)</b> 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 Dec. 31, 2003.	1			2		
<b>1b)</b> 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 Dec. 31. Visit each construction site at least twice a month and each high priority site once a week.	Successful compliance will be measured each year by the number of construction sites complying with the construction site runoff programs.	3			4		
<b>1c)</b> Procedures in place by Dec. 31 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.	5			6		
<b>1d)</b> Training program in place by Dec. 31 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.	7			8		
<b>1e)</b> 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.	9		10	11		
<b>1f)</b> Public Works inspectors trained annually to inspect construction BMPs.	Measure success each year by the number of personnel completing the training program.	12			13		
<b>1g)</b> Develop procedures to respond to 100% of the calls received by the Storm Water Hotline by Dec. 31 and each year thereafter.		14			15		
<b>1h)</b> Draft Grading Ordinance in place by Dec. 31. Draft Grading Ordinance will also include controls for non-sediment waste discharges. Ordinance will include provisions for enforcement.	Successful implementation will be measured by completion of the Draft Grading Ordinance.	16					

Table Notes:

- 1&2. The City requires erosion and sediment control measures on project plans. Construction standards also require installation of sand and oil traps on all construction projects.
- 3&4. A check list has been developed for inspectors on construction sites. Inspection areas include erosion and sediment control, construction entrances, material handling and good housekeeping.
- 5&6. 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.
- 7&8. All plan check staff attended the City's annual training. In addition, staff from the building and maintenance departments also attended the training class.
- 9,10,&11. This BMP has been modified. Instead of twice a year, the City is now sponsoring training once a year. The City has sponsored this training since 2000. The last two training sessions had approximately 70 attendees.
- 12&13. All Public Works Inspectors (3) have been trained. Their training will continue each year throughout the permit period.
- 14&15. 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.
- 16. Draft Grading Ordinance complete.

## 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**

	March 2003-June 2003	July 2003-June 2004
<b>BMP Inspection and Maintenance</b>		
Frequency of Inspections and Maintenance of BMPs	0	Citywide
Inspection and Maintenance Activity Inventory Created	No	Yes
<b>Construction Inspection Trainer</b>		
Number of Trained Inspectors	0	3
<b>Contractor Certification and Training</b>		
Number of Contractors Trained In Erosion/Sediment Control	0	30
Number of Training/Certification Programs	0	1
Number of Sites Inspected	26	33
Number of Changes in Water Quality at Inspected Sites	Various	Various
<b>Preserving Natural Vegetation</b>		
Number of Construction Sites Preserving Natural Vegetation	8	8

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 1, 2004 to June 30, 2005**

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
<b>2a)</b> Adopt Grading Ordinance by Dec. 31. Ordinance will include provisions for enforcement.	Successful implementation will be measured by adoption of the Grading Ordinance.		X	X	
<b>2b)</b> Develop Erosion and Sediment Guidelines for the development/construction community by Dec. 31. Guidelines will include procedures for construction site operators to control non-sediment waste.	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.		X	X	
<b>2c)</b> Plan checkers will review 80% of the plans for compliance of new procedures identified in 1d and 100% each year thereafter.	Successful implementation will be measured each year by the number of plans checked/submitted for compliance with approved BMPs.		X		X
<b>2d)</b> Continue implementing BMPs 1a, 1b, 1c, 1d, 1e, 1f, and 1g.			X		X

**MCM V: POST-CONSTRUCTION STORM WATER MANAGEMENT**

**Narrative Overview:**

The City of Rocklin is subject to Attachment 4 (Supplemental Provisions) of the General Permit. Implementation of the Design Standards is listed below in this section. 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) 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.

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**

Objectives		Status					
<ul style="list-style-type: none"> <li>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.</li> </ul>		Implemented	Not Applicable	Modified	Effective	Unknown	Not Effective
BMPs	Measurable Goals						
<b>1a)</b> 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"> <li>Minimize impervious area</li> <li>Control pollutants by eliminating or reducing potential new sources</li> <li>Install treatment controls, as appropriate to the site</li> <li>Participate in the funding of Regional/City-level BMPs in accordance with a Regional/City-level plan</li> </ul>	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.	1				2	
<b>1b)</b> 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.	3			4		
<b>1c)</b> 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.	5					
<b>1d)</b> 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. Successful implementation will be measured by the number of projects incorporating revised construction standards.	6			7		

Table Notes:

- 1&2. The City has approved structural controls in all projects beginning in December 2002.
- 3&4. This BMP is ongoing.
- 5. This BMP is expected to be completed sometime in 2005.
- 6&7. All projects approved since December 2002 include structural controls incorporated into the storm drain system.

## 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**

	March 2003-June 2003	July 2003-June 2004
<b>BMP Inspection and Maintenance</b>		
Frequency of Inspection and Maintenance Activities		Annual
<b>Catch Basin</b>		
Catch Basins Inventory Completed	Ongoing	Ongoing
<b>Infrastructure Planning</b>		
Number of New Development Projects Using BMPs		All Projects Approved Since December 2002
<b>Urban Forestry</b>		
Urban Forestry Study Prepared	In Process	In Process
Number of Trees Planted	20 (Native)	25 (Native)

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 1, 2004 to June 30, 2005**

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
<b>2a)</b> 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
<b>2b)</b> Adopt Operation & Maintenance (O&M) procedures for maintenance of structural and non-structural storm water controls by Dec. 31. The O&M procedures will include, but not be limited to, maintenance procedures for grass swales, sand and oil traps, and detention/sedimentation basins.	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		4
<b>2c)</b> Adopt enforcement guidelines.	Successful implementation will be measured by adoption of the enforcement guidelines.		5		6
<b>2d)</b> Continue implementing BMPs 1a, 1b, and 1d.			7		8

## **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.

Over the past few years, the City has improved its practices for dealing with landscaping, primarily with native low maintenance plants, and lawn care. The City does not use any inorganic pesticides or herbicides for landscaping or lawn care, and uses only a limited amount of slow release fertilizer as needed.

Improvements made to the Public Works Facility (completed in spring 2003) helped reduce the potential for the discharge of pollutants from the facility. The facilities for storage of large quantities of fuel, oil, and other fluids are equipped with secondary containment. 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. In 2002, the city purchased a vacuum unit (Tornado) that collects waste from concrete sawcutting operations. This device picks up saw cutting liquid waste for removal and disposal, instead of discharging the waste into the storm drain system. 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 system in case 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**

Objectives		Status					
<ul style="list-style-type: none"> <li>Identify, develop, and implement BMPs/good housekeeping procedures and training programs to address urban runoff pollution associated with municipal operations.</li> </ul>		Implemented	Not Applicable	Modified	Effective	Unknown	Not Effective
BMPs	Measurable Goals						
<b>1a)</b> 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 Dec. 31.	Successful implementation is measured by completion of a hazardous facilities map.						1
<b>1b)</b> Conduct monthly inspections of City facilities and operations to identify possible water quality impacts. Complete first set of inspections by Dec. 31 and continue to the end of the permit term.	Measure success each year by correction of any water quality problems at City facilities.						2
<b>1c)</b> Continue to sweep City streets for duration of permit.		3			4		
<b>1d)</b> 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.	5		6	7		
<b>1e)</b> Develop procedures for the proper disposal of waste from storm sewer system maintenance by Dec. 31.	Measure success by developing processes to train maintenance employees on the proper procedures for disposing waste from the storm sewer system.	8			9		
<b>1f)</b> Develop a web page brochure for storage and/or disposal of hazardous materials in the home by Dec. 31.	Measure success each year by the number of “hits” to the website.						10
<b>1g)</b> Identify areas within the City with repeated illegal dumping incidences for distribution to first responders and clean up crews by Dec 31.	Measure success each year by a reduction in the number of illegal dumping incidences and a reduction in the amount of debris being dumped.	11		12	13		

Table Notes:

- 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.
- Implementation of this BMP has not started.
- & 4. Residential streets are swept monthly. Commercial and industrial streets are swept weekly.
- , 6 & 7. Implementation of this BMP has started; however, it has not been completed. Storm drain inspection is being tied to the City’s GPS.
- & 9. Liquid waste is discharged to the sanitary sewer system. The solid waste and floatables are sent to the landfill.
- This BMP has not been implemented to date.

11,12&13. Dumping areas have been identified.



## 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**

	March 2003-June 2003	July 2003-June 2004
<b>Hazardous Materials Storage</b>		
Number of Employees Trained In Hazardous Materials Storage	0	23
<b>Illegal Dumping Control</b>		
Common Illegal Dumping Sites Identified	3	1
Number of Dump Sites Cleaned Up	3	1
<b>Landscaping and Lawn Care</b>		
Number of Personnel Trained	0	23
<b>Materials Management</b>		
Number of Municipal Facilities Storing Hazardous Materials	Not Complete	Not Complete
Number of Personnel Trained in Hazardous Material Handling	Fueling Facilities	Fueling Facilities
Hazardous Materials Inventory Created For Each Facility	Corp Yard Only	Corp Yard Only
<b>Parking Lot and Street Cleaning</b>		
Number of Scheduled Road Cleanings	Residential-Monthly	Commercial & Industrial Weekly
<b>Pest Control</b>		
Number of Employees Trained In Pest Management	6	4
<b>Spill Response and Prevention</b>		
Spill Response Plan Developed For Municipal Facilities	N/A	Corp Yard Only
Number of Personnel Trained In Spill Response	N/A	8
<b>Storm Drain System Cleaning</b>		
Number of Storm Drain Inlets/Outlets/Sand and Oil Traps Inspected Regularly	N/A	All

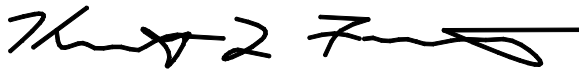
The table below summarizes the storm water activities the City plans to undertake during the next reporting cycle. Following this table are proposed changes to the BMPs originally proposed in the approved SWMP. The justification for the proposed changes is also identified in the summary below.

**Table C: Pollution Prevention and Good Housekeeping for Municipal Operations July 1, 2004 to June 30, 2005**

BMPs	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
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.		X		X
2b) Incorporate reporting and prevention procedures from the City's Hazmat spill response program into the City's SWMP by Dec. 31.	Measure success each year by responding to reported hazmat spills and preventing hazardous material from entering the City's storm drain system.		X	X	
2c) Establish a program for handling and storage of hazardous waste, and train City employees by July 1.	Measure success each year by the number of employees trained each year and the number of training sessions offered by the City.		X	X	
2d) Establish a maintenance and inspection schedule for BMP compliance at City facilities.	Measure success each year by the increase in BMP compliance at City facilities.		X	X	
2e) Develop a two-tiered training program utilizing employee feedback. The first part is to develop BMPs using employee input. The second part will provide specific training on municipal procedures and BMPs by Dec 31.	Measure success each year by the number of employees completing the training program and implementation of employee feedback to foster continuous improvement of the City's BMPs.		X	X	
2f) Develop a web page brochure informing pool owners their options for discharging pool water by Dec. 31.	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.	X		X	
2g) Continue ongoing BMPs 1a, 1b, 1c, 1d, 1e, 1f, and 1g.			X		X

**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."*



12-16-2004

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Signature of Permittee (legally responsible person)

Date Signed

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Kent L. Foster

Director of Public Works

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Name (printed)

Title