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

Reporting Period
July 1, 2007 to June 30, 2008

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
		NO		NO	

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-

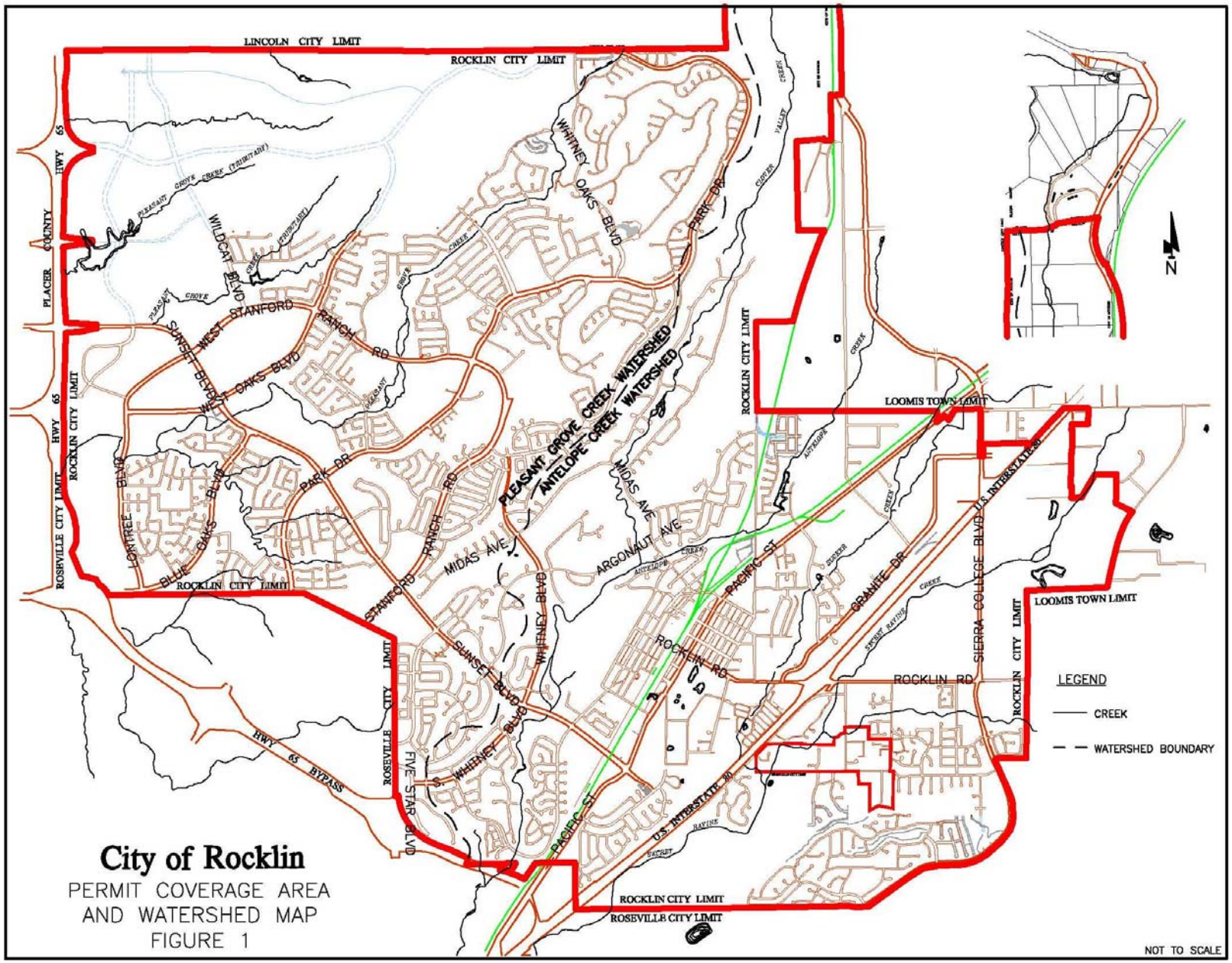
☐ July 1, 2004 to June 30, 2005

☐ July 1, 2005 to June 30, 2006

☐ July 1, 2006 to June 30, 2007

☒ July 1, 2007 to June 30, 2008

(Report is due by September 15 each year)



City of Rocklin

PERMIT COVERAGE AREA
AND WATERSHED MAP
FIGURE 1

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". Figure 1 illustrates the City of Rocklin's permit coverage area and watershed boundaries. 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 original stormwater management proposal incorporated 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.

CHANGES FROM PREVIOUS YEARS

The City has made steady progress on implementing MCMs of the Stormwater Management Program. These six MCMs formed the basis of the City's original stormwater program. However, as the City monitored its stormwater program, some changes needed to be made to protect not only water quality, but the watershed as a whole. The purpose of this document is twofold: first; to report what was accomplished during the last reporting period of the General Permit; and second, to identify the nexus between a healthy watershed and water quality. The City is taking a more "comprehensive" approach to storm water management by making stormwater management a component of the watershed. Watershed management will include activities that continue to:

1. Provide opportunities for the community to volunteer in educational activities such as Creek Week, and tree planting.
2. Incorporate the Attachment 4 development conditions into City projects for the City's public hearing and review process. Examples of City Design Standards, typical conditions and policy relating to Attachment 4 are included in the Appendix of this Report. 1

1 Attachment 4 is one of nine attachments to State Water Resources Control Board (SWRCB) Water Quality Order No. 2003 – 0005 – DWQ National Pollutant Discharge Elimination System (NPDES) General Permit No. CAS000004 Waste Discharge Requirements (WDRS) For Storm Water Discharges From Small Municipal Separate Storm Sewer Systems (General Permit). Attachment 4 identifies design standards to land use and is typically implemented at the project approval process.

3. Inspect construction sites for effective erosion and sediment control measures and document permit compliance efforts.
4. Condition projects to provide funding for openspace operations and maintenance. Continue to inspect and monitor structural and non-structural stormwater BMPs. Continue to map and identify all drainage systems and outfalls using GPS technology.
5. Develop maintenance procedures that minimize water quality impacts. Training staff to identify impacts to water quality.

The City continues to collect and test water samples 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 or updated.

PART I

WATERSHED MANAGEMENT

The City's watershed management program includes factors that impact water quality such as air, vegetation, biological treatment, public awareness and development of an "institutional memory and awareness" at the staff level. From a geographical perspective, the City's creeks and drainage areas are the low areas where all environmental debris is concentrated. This includes even the airborne dust trapped by vegetation and washed away by rain. More emphasis on *preventive* action to reduce necessity for *corrective* action (construction inspections are a good example). Public education and awareness continues to be a key element through activities such as Creek Week and Make a Difference Day.

The narrative below is grouped under the following headings:

- Rocklin's Watersheds
- Urban Forest
- Mitigation Monitoring
- Water Conservation

- Water quality monitoring and testing
- Enforcement / Reporting Process
- Identification of Watershed Management Strengths and Weaknesses
- Future Vision

ROCKLIN'S WATERSHEDS

Rocklin's boundaries fall within two watershed areas. To the north is the Pleasant Grove Watershed and to the south is the Dry Creek Watershed. Both of these watershed areas eventually drain into the Sacramento River. Within each of the city watershed areas, the City has established permanent water testing locations. The test locations were selected to establish water quality trends and baseline data that can be used with any of the MCMs. However, control measures such as the illicit discharge detection & elimination, construction site storm water control, and pollution prevention & good housekeeping for municipal operations can use water quality trend information to enhance their effectiveness. Figure 2, below shows the location of Rocklin's watershed areas and water quality testing stations.

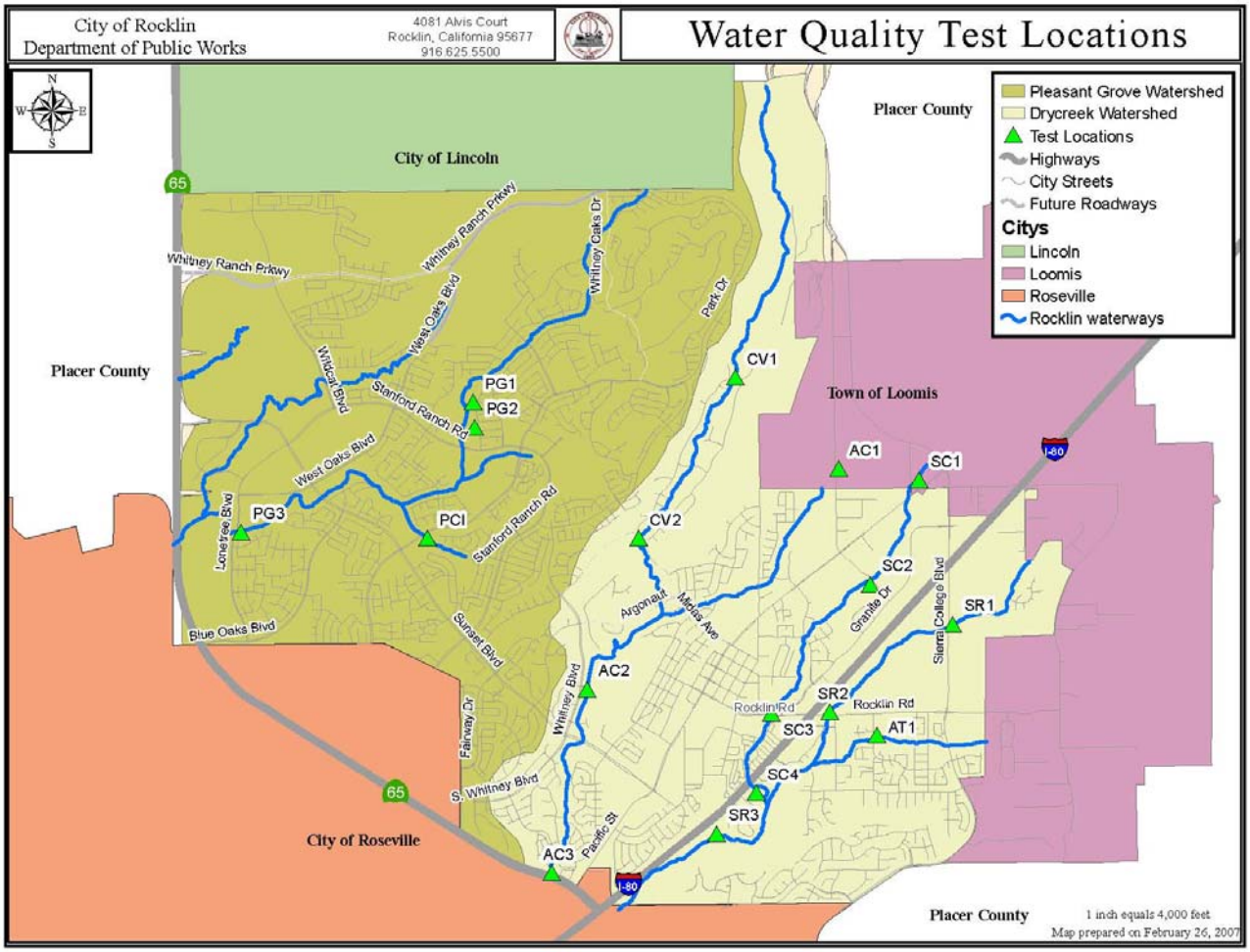
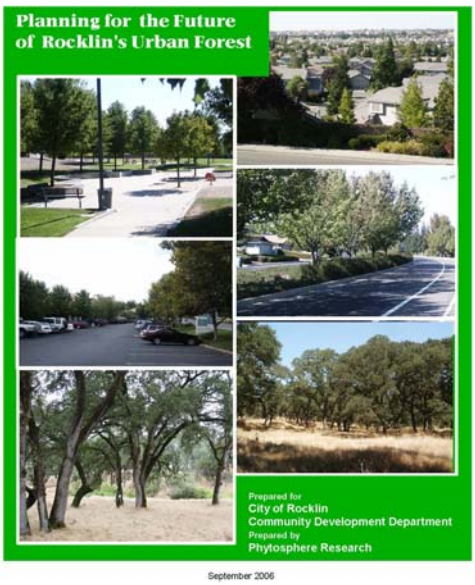


Figure 2 Shows locations of the city's water quality test locations and watershed boundaries.

URBAN FOREST



The City's Urban Tree Plan adopted by City Council in October, 2006. The protection and maintenance of the City's urban forest has many benefits, among these benefits are the role of trees in the watershed. The complete plan can be downloaded from the City's website at:

http://www.rocklin.ca.us/government/development/planning/publications_n_maps/default.asp.

This document provides an overall framework for managing Rocklin's urban and natural forest resources. It is based on the condition of the forest in 2003 and an analysis of trends that have shaped Rocklin's urban forest to date and will continue to influence it in the future. The major portions of this document include a management plan for Rocklin's urban forest. The management plan presents community-based goals for managing and protecting Rocklin's tree resources. Major goals of the plan include:

- Promoting conservation of existing tree resources.
- Developing an urban forest canopy that is stable over the long term
- Promoting efficient and cost-effective management of publicly-owned urban and natural forest resources.
- Fostering community support for the local urban forestry program and encouraging good tree management on privately-owned properties.

The plan also presents the results of surveys and other evaluations of Rocklin's urban forest. The information is organized into six subject areas:

- **Overall tree canopy changes from 1952 to 2002** - The increase in canopy cover over this time is largely due to growth of conserved oaks and new tree plantings, primarily in residential developments.
- **Oak woodland open space lands** - The City-owned oak woodlands include both riparian and upland stands, which differ with respect to management issues. Current tree condition is generally good, but regeneration is an issue in upland stands while invasive species are a bigger concern in riparian areas.
- **Trees in parks** - Most planted park trees are in good condition, but conserved oaks in some older parks are declining. Pruning to improve tree structure is the most common maintenance need.
- **City-maintained parkway trees** - In 2004, the City maintained an estimated 10,000 trees along about 28 miles of streets. Most of these trees were in good condition but were generally young. Maintenance needs and costs will rise as the tree population ages.
- **Private trees along residential streets** – Private trees constitute the overwhelming majority of trees along Rocklin streets, although most are planted too far from the street

to shade pavement. Most of the private tree population is relatively young and healthy, but many conserved oaks are in decline.

- **Trees in commercial parking lots** - Levels of tree shade in most parking lots is low, with very few spaces being even half shaded. Although trees were young in many lots, older lots did not necessarily have higher levels of shading due to the loss of planted trees over time.

Involving residents in the care of Rocklin's urban forest. City residents play a major role in the planting and maintaining the majority of Rocklin's urban forest. Through public education and outreach programs, the City can help improve the selection and care of trees on residential properties and can increase the involvement of community volunteers in the restoration of native oak woodlands on City lands

Section 6 of this document and several of the appendices are technical guides that describe the management actions needed to maintain Rocklin's urban forest in a manner consistent with the goals that have been identified. Major elements include a list of recommended tree species and associated planting, placement, and maintenance guidelines.

MITIGATION MONITORING

The City Community Development Division has developed conditions that address water quality, open space preservation, and tree canopy protection. Minimum control measures such as construction site activities, post construction storm water management, and illicit discharge detection & elimination are incorporated into project conditions. These project conditions are usually project specific and are reviewed by representatives from each department in the City. Once the conditions are approved by the Planning Commission & City Council, the conditions are forwarded to the City staff responsible for approval of project plans and project inspection/mitigation monitoring. An excerpt from a set of project conditions is italicized below. These particular conditions involve openspace maintenance by the City and private HOA. The project "Granite Lakes" is located upstream from a salmon spawning habitat.

Water Quality and Sediment Monitoring and Remediation

The Homeowners Association shall contract with a qualified professional to conduct annual water quality testing at the detention basin, pond, and at locations upstream and downstream of the project site to ensure consistency with standards set by the RWQCB, to the satisfaction of the Public Works Director, and to further ensure that water coming into Secret Ravine Creek from the project site will result in no net adverse change in water quality in Secret Ravine Creek. Costs associated with the water quality testing shall be funded by the Homeowners Association. The Covenants, Conditions, and Restrictions (CC&Rs) for the project shall:

1) Provide for the collection of an assessment from property owners sufficient to fund this testing in perpetuity,

2) Require the Homeowners Association to furnish annual reports of the water quality tests to the City's Public Works Director,

3) Expressly include an obligation that water coming into Secret Ravine Creek from the project site will not, by itself, result in any net adverse change in water quality in Secret Ravine Creek, and

4) Provide the City with the legal right to seek an injunction against the Homeowners Association in the event that the water quality tests are not performed or the 'no net adverse change in water quality standard' is not satisfied.

5) Provide the City with the legal right to enter

Homeowners Association owned property for the purpose of water quality testing by the City.

6) Provide that the City may, at its option, cause the required water quality and sediment testing/monitoring to be performed and assess (lien) the Homeowner's Association for all costs associated with these activities in the event that the testing/monitoring is not being completed in accordance with the conditions of approval and mitigation monitoring plan for the project.

7) In addition to the water quality testing described above, information regarding the depth to sediment in detention facilities and the onsite pond shall be provided every two years or other time frame approved by the Director of Public Works. This requirement will begin the first year that grading construction commences.

8) If it is determined (through consultation with the Director of Public Works) that sediment needs to be removed from the pond and/or detention facilities to ensure adequate stormwater capacity is available, the contractor shall implement appropriate BMPs to protect terrestrial and aquatic resources and water quality to the satisfaction of the Public Works Director. Sediments removed shall be tested for contaminants and disposed of according to laws and regulations in effect at that time. All costs associated with sediment monitoring, removal, and disposal shall be paid by the Homeowner's Association.

WATER CONSERVATION

Water Conservation is a component of water quality, watershed protection, and involves all of the General Permit's minimum control measures. Wasted water can show up as urban runoff resulting in non-stormwater related discharges at storm water outlets. It is estimated that since this permit period took effect, approximately 3 million gallons have been saved by converting City landscape areas from overhead sprinklers irrigating turf to subterranean drip irrigation that supplies water to drought resistant landscape. By doing this, the City can demonstrate to the community that a water efficient garden does not have to look like a desert. The City has discovered that the trees that no longer must compete with the turf for water and nutrients are much healthier. This in turn contributes to a healthy urban forest.

PCWA UPDATE • PAGE 3

2 Million Gallons Saved in One Year !

City of Rocklin Cuts Water Use Through Landscape Efficiency Project

Through a grant program administered by PCWA, the City of Rocklin has replaced a grassy, 2.5-acre roadside landscape with a new water efficient planting that has reduced annual water use by more than 2 million gallons.

The project, located near Sierra College Blvd. and Scarborough Dr., is the first of three being completed by the city and water agency.

Seventy-five percent grant funding for the work was made available through the state Dept. of Water Resources and Regional Water Authority. The grants are designated for large landscape improvements by cities and schools.

The city spent $6169 on the water efficiency effort and received a grant reimbursement of $4627 for a total city outlay of $1902.

The old roadside plantings were replaced in early 2005 with native plants and other drought-tolerant landscaping. The 2,231,284-gallon savings was measured one year later.

The grant program is part of PCWA's overall Water Efficiency Program which also assists local residents and businesses in their efforts to use water in a more efficient manner.

PCWA Water Efficiency Manager Harley Lukenbill, left, presents a grant check for the landscape project to Rocklin Director of Public Works Kent Foster. Below, the landscape before and after.

BEFORE

AFTER

WATER QUALITY MONITORING AND TESTING

What's in our water? The City is testing water chemistry to determine what constituents are naturally occurring in our water. Other reasons to test our water are part of the City's goals to answer the following questions:

- What constituents are entering Rocklin's watercourses?
- What are the pollutants of concern that are in our drainage systems? For example, is the City developing BMPs to target pet waste, when there are elevated copper levels that are detected in a particular receiving water?
- How much does water quality fluctuate throughout the year? How can Rocklin target its resources, MCMs and BMPs to improve water quality?

ATTACHMENT C

City of Rocklin
Illicit Discharge & Detection Program

Field Data Sheet
Date: 10-10-06
Time: _____AM/PM

General Information

Location: Dominguez Creek Xing Location ID #: GPS Sheet #: _____
First Visit? (Y / N) Date of last visit: 05 Weeks since last rain (≥ 0.1"): <1 2 >3
Inspection Team: Lydia Sizelove

Field Description

☒ Open Channel ☐ Manhole ☒ Outfall ☐ Other: _____
Dominant Watershed Land Uses: ☒ Industrial ☐ Commercial ☒ Residential ☐ Unknown
☐ Other: (List if known) _____

Flow Estimation

Flow Observed: ☒ Yes ☐ No Approximate Pipe Diameter: _____
Width of water surface: (1) _____ feet
Approximate depth of water: _____ inches Divide by 12 to get feet: (2) _____ feet
Approximate flow velocity: (3a) _____ feet in (3b) _____ seconds, OR feet per second (3a/3b): _____ ft/s.
FLOW RATE: (cubic feet per second) = (1) X (2) X (3a/3b) = _____ cfs.

Observations

Photo Taken:	☒ No	☐ Yes : Roll/Photo number:					
Odor:	☒ None	☐ Musty	☐ Ammonia	☐ Sewage	☐ Rotten Eggs	☐ Sour Milk	Other:
Color:	☒ Clear	☐ Red	☐ Yellow	☐ Brown	☐ Green	☐ Grey	Other:
Clarity:	☒ Clear	☐ Cloudy	☐ Opaque	☐ Suspended Solids			
Floatables:	☒ None	☐ Oily Sheen	☐ Garbage/Sewage				Other:
Deposits/Stains:	☒ None	☐ Sediments	☐ Oily				Other:
Vegetation Condition:		☐ None	☒ Normal	☐ Excessive Growth		☐ Inhibited Growth	
Structural Condition:	☒ Normal	☐ Concrete Cracking/Spauling	☐ Metal Corrosion				Other:
Biological:		☐ Mosquito Larvae	☐ Bacteria/Algae				Other:

Field Analyses

DO: _____ mg/l Chlorine (free): _____ mg/l Cyanide: _____ mg/l
Water Temp: _____degrees C Chlorine (total): _____ mg/l Glycol: _____ mg/l
pH _____ Chromium (hex): _____ mg/l Phenol: _____ mg/l
Ammonia: _____ mg/l Copper: _____ mg/l
Laboratory Sample Collected: ☐ Yes ☐ No
If yes, attach copy of chain-of-custody record. Note laboratory sample ID numbers and sample descriptions:

Comments: water flow low but clear

Data Sheet filled out by: Lydia Sizelove (Print Name) Lydia Sizelove (Signature)

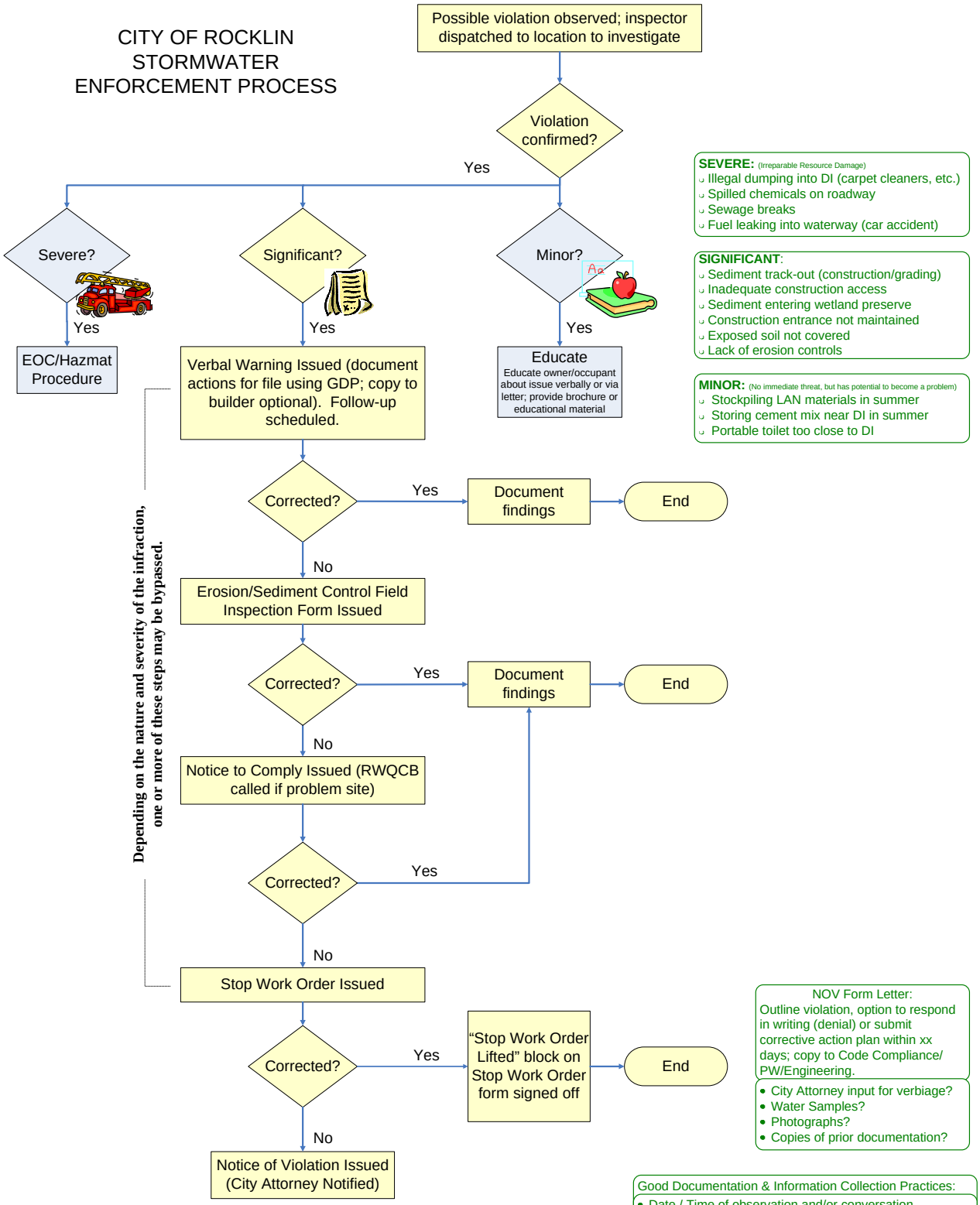
G:\Pubworks\forms\Illicit Discharge Data Sheet

Water samples are taken during the first flush in the rain season, and in late spring or early summer. Each storm water outlet is inspected at least one time each year. Observations are documented as shown on the form to the right.

ENFORCEMENT / REPORTING PROCESS

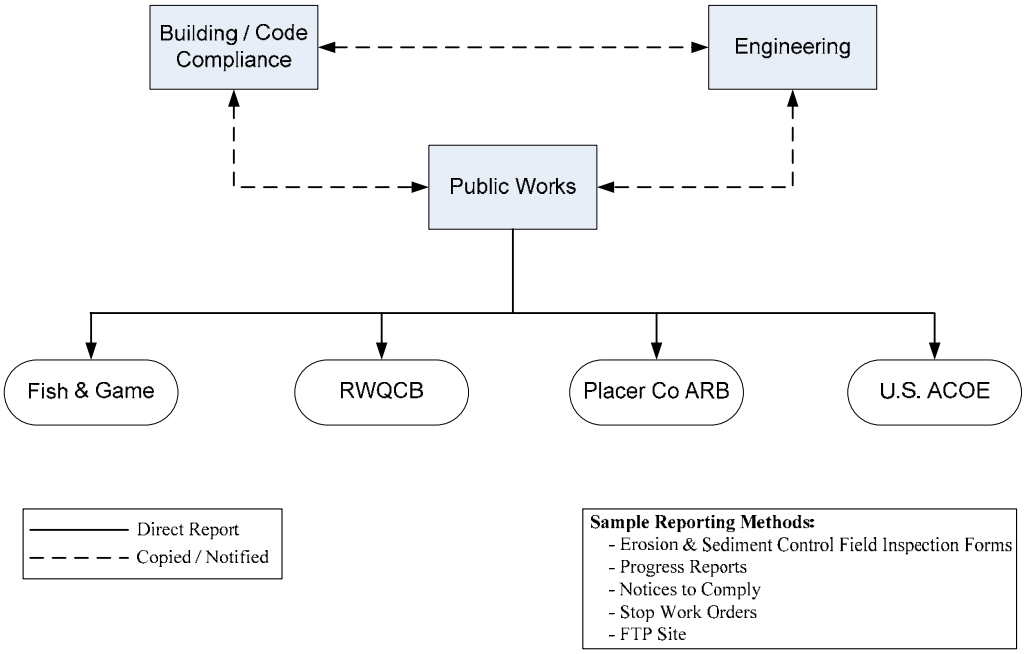
City staff has developed a reporting process for both construction related and post-construction related discharges. The processes are illustrated in the charts that follow.

CITY OF ROCKLIN STORMWATER ENFORCEMENT PROCESS

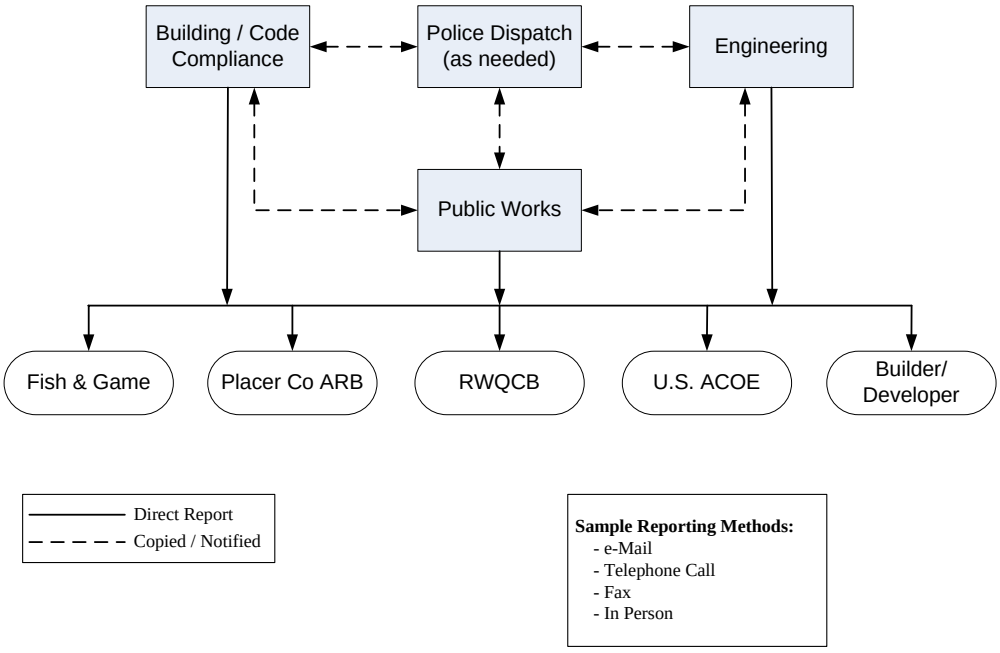


7/12/06

Routine Reporting Process



Significant Issues Reporting Process



IDENTIFICATION OF WATERSHED MANAGEMENT STRENGTHS and WEAKNESSES

With the implementation of any program, the city will be strong in some areas and weak in other areas. The goal is to identify both and build on the strengths and improve in weak areas. Below is a rating of the City's overall effectiveness of the program:

Strengths

- Ability to track the enforcement process.
- Use of volunteers for projects such as storm drain stenciling, litter removal, tributary sign design and tree planting.

Weaknesses

- Program emphasis in construction and illicit discharge and detection.
- Need more outreach on a regional basis. Watershed management is routinely based on political or jurisdictional boundaries; however, these boundaries are often not associated with actual ecosystem functions and distribution of human and natural resources. Planning and management on a watershed basis makes practical sense with regard to natural resources and ecosystem functions; in particular, the quality and quantity of water and their effect on the local human, biological, and physical environment.

FUTURE VISION

The future vision for the City will continue to identify the many variables that impact water quality. The city will develop regional partnerships to address the many factors that impact water quality. Examples of these partnerships include:

- Air Quality – control of dust and airborne particles will reduce polluted runoff that is caused when small particles enter the watershed. For example, partnerships could include air quality districts and the construction industry
- Healthy urban forest and other bio-treatment methods can help reduce runoff times and treat pollutants on site before entering the watershed. Partnerships could include school

districts and native California plant nurseries.

- Expand the public involvement in seen in such activities as Creek Week. Creek Week currently involves watershed areas. Volunteer opportunities could be advertised on the city web site for similar volunteer projects such as Arbor Day, Make a Difference Day to name a few.
- Water conservation to reduce urban runoff could involve water districts with help from school districts.

PART II

MINIMUM CONTROL MEASURES

The tables immediately following the narratives in Part II contain the following:

- The status and effectiveness of BMPs and measurable goals for this year's annual report, (July 1, 2006 to June 30, 2007) are summarized in Table A.
- Measurable goals, modifications to the SWMP are listed in Table B.

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), and other citizen volunteers through activities such as tree planting, litter pick-up and habitat restoration.

The City has also developed printed educational and outreach material that can be picked up at various City buildings and/or downloaded from the City's website. The material includes brochures that target the construction industry, residential yard maintenance, pet waste pickup

and disposal, and disposal of household waste, and the City's basic message that, "Water and waste that enters the storm drain system is not treated". These brochures are found in the Appendix of this report.

Table A: Public Education and Outreach BMP Objectives, Measurable Goals, and Status - July 2007 to June 2008

Objectives		Status (See Notes Below)					
• 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**						
3a) Develop a creek and creek tributary identification sign program by **Dec. 31**.	A creek and creek tributary sign program that identifies creek & creek tributaries to be installed by volunteers beginning December 2006.			**1**			
3b) Train volunteer educators by **Dec. 31**.	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.			**2**			
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.			**3**			
3d) School curricula developed and distributed to area schools by **Dec. 31**.	Success will be measured by the number of schools receiving the educational material, and the number of school age children that receive educational information			**4**			
3e) Continue implementing BMPs 1a, 1b, 1c, 1d, 2a, 2b, and 2d.		**X**		**X**			
3f) Complete installation of Pet Waste signs identified in 1e.						**X**	

Table Notes:

1. Tributary signs are currently being designed and will be installed this by June 30, 2009. The tributary map is on the city website.
2. Modified to the number of participants that receive educational materials at volunteer events such as Creek Week and Make a Difference Day.
3. Program is still being developed. The City will begin the first outreach with local businesses in the Spring of 2009.
4. Modified to quantify the number of Rocklin Students that participate in watershed volunteer projects & Programs.

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

Table B: Public Education and Outreach - July 2008 to June 2009

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.	Utilize the city web page.	**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**			**X**
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**		**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**			**X**
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**		**X**

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. In the reporting period between July 1, 2005 and June 30, 2006, the City re-designed its website and launched the new site on July 1, 2006. In addition to including educational material on stormwater pollution prevention, the new site also includes links the reporting system used by the City to capture and track storm water violations. Residents are aware of the City's web based reporting system and are using it to report storm water violations and obtain information. Going forward, the City will be able to measure the number of "hits" to the storm water educational material and be able to quantify it in future reports.
2. This BMP has been modified. In lieu of press releases, some of the notifications are poster on the city website.
3. Residents who purchase a dog license are given 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 each year.
4. This BMP is ongoing. Not all of the Storm drains have been labeled. The City has successfully relied on volunteers to install the labels. The City supplies the labels and a map to the volunteer organizations and the volunteers install the labels, marking the locations 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 Council approved updates to the City Of Rocklin's Construction Standards.

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 General Plan Update contains provisions that comply with the provisions of the permit. The City Council's review of the City's illicit discharge and detection ordinance was noticed so the public had an opportunity to review and comment on it. Ordinance 901, Ordinance of the City Council of the City of Rocklin Adding Chapter 8.30 to the Rocklin Municipal Code Relating to Stormwater Runoff Pollution Control, became effective on November 25, 2005. Ordinance 904, Ordinance of the City Council of the City of Rocklin Adding Chapter 15.28 to the Rocklin Municipal Code Relating to Grading and the Control of Erosion and Sediment in the City of Rocklin, became effective February 10, 2006.

Table A: Public Involvement and Participation BMP Objectives, Measurable Goals and Status - July 2007 to June 2008

Objectives		Status (See Notes Below)					
• 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**						
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.	**X**		**1**			
3b) Develop and adopt a storm drain inlet program by **Dec. 31**.	Measure success by the number of volunteers participating in storm drain adoptions, and how many storm drains are adopted.			**2**			
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.	**3**				**X**	
3d) Continue implementing BMPs 1a, 1b, 1c, 1d, 2a, 2b, and 2c.				**X**			

Table Notes:

1. The City established permanent water quality test stations (see Figure 2) for repeated water quality testing. The stations are the first step of this BMP. Now that the stations have been established, citizen training can begin.
2. The program will begin after the tributary signs are installed.
3. The stations are identified in Figure 2. Citizen training can begin.

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 B: Public Involvement and Participation - July 2008 to June 2009

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**
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**

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
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 2006. By completion of the permit term 8 public announcements will have been prepared. By the next reporting period, the City will have the ability to track the number of website "hits".
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 that 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.

The ordinance to prohibit illicit discharges and connections to the city storm drain system was passed by the City Council and made effective November 25, 2005. 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. Much of the criteria and information can be found on the City's website. 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 2007 to June 2008

Objectives		Status					
• 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**						
3a) Evaluate authorized non-storm water discharges to classify impact(s) at outfalls.	Successful implementation will include monitoring and an education program for authorized non-storm water discharges, and ability to classify impacts to receiving waters.	**1**		**X**	**X**		
3b) Continue implementing BMPs 1a, 1b, 1c, 1d, 1e, 2b, 2c, 2d, 2e,and 3a.				**X**			

Table Notes:

1. Established permanent water quality test stations to test for the following parameters:

   - CAM-17 (metals)

   - Turbidity

   - PH

   - Nitrogen

   - Coliform

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 B: Illicit Discharge Detection and Elimination - July 2008 to June 2009

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.		**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**	**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**	**X**
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**	**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**	**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**	**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**	**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**	**X**

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
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**	**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**	**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. 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. Illicit discharge & detection ordinance was adopted by City Council effective November 25, 2005.
7. Illicit discharge & detection ordinance adopted November 25, 2006; a Stormwater / Grading Ordinance Enforcement taskforce has been established to develop the enforcement process the City will use.
8. Implemented. Grading ordinance adopted February 10, 2006.

9. Illicit discharge & detection ordinance adopted November 25, 2006; a Stormwater / Grading Ordinance Enforcement taskforce has been established to develop the enforcement process the City will use.

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 grading ordinance and requirements for construction site operators to control waste was adopted by City Council effective February 10, 2006. Training materials and workshops are being developed by City staff for construction site operators, inspectors, and City maintenance personnel. The adoption of the 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 updated 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 2007 to June 2008

Objectives		Status					
• Develop a control program to reduce the potential for discharge of pollutants into urban runoff from construction sites.		Implemented	Not Applicable	Modified	Effective	Unknown	Not Effective
BMPs	**Measurable Goals**						
3a) Strive for 100 percent compliance with local and SWRCB's construction site runoff control programs.	Successful compliance will be measured each year by the number of construction sites complying with the construction site runoff programs.	**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.	Successful compliance will be measured each year by the number of construction and building sites complying with inspection checklists.	**X**			**1**		
3d) Continue implementing BMPs 1a, 1b, 1c, 1d, 1e, 1f, 1g, and 2c.				**X**			

Table Notes:

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 B: Construction Site Storm Water Control - July 2008 to June 2009

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.		**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**
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**		**X**	**X**
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**

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
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. 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 was adopted by City Council and made effective February 10, 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 opens pace 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 adopted (October 2006) 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 has adopted 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 2007 to June 2008

Objectives		Status					
• 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**						
3a) Conduct 2 inspections per year, and conduct regular maintenance on City owned structural controls as prescribed in the O&M procedures in 2b, 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.	**1**			**X**		
3b) Develop and/or adopt storm water design guidelines that include standards designed to control runoff impacts. Building site designs will comply with the criteria specified in the manual.	Successful implementation will include development and/or adoption of site design guidelines and the number of new building permits issued each year that incorporate the new design practices.	**1**			**X**		
3c) Continue implementing BMPs 1a, 1b, 1d, 2a, 2b, and 2c.				**X**			

Table Notes:

1. BMP 3a and BMP 3b are ongoing.

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 B: Post-Construction Storm Water Management - July 2008 to June 2009

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: • 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**
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**

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
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. Batallion 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 2007 to June 2008

Objectives		Status					
• 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**						
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 in the quantity of floatables found in sand and oil traps.	**1**		**X**			
3b) Develop an Integrated Pest Management Program training program for City employees by Dec. 31.	Measure success each year by a reduction in pesticide use per acre on City owned facilities.	**1**		**X**			
3c) Continue ongoing BMPs 1a, 1b, 1c, 1d, 1e, 1f, 1g, 2a, 2b, 2c, 2d, 2e, and 2f.				**X**			

Table Notes:

1. BMP 3a and BMP 3b are ongoing.

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 B: Pollution Prevention & Good Housekeeping for Municipal Operations - July 2008 to June 2009

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**			

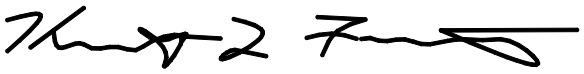
BMPs	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
3a) Promotion of recycling to minimize street litter.	Measure success each year by a reduction in the amount of litter picked up by volunteers during City sponsored clean up days and a reduction the 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. Dumping areas have been identified and are inspected regularly.

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."



11/12/2008

Signature of Permittee (legally responsible person) Date Signed

Kent L. Foster Director of Public Works

Name (printed) Title