



CITY OF LODI 2007-2008 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.

A. Permittee Information

1. Permittee (Agency Name): City of Lodi
2. Contact Person: George M. Bradley, Streets & Drainage Manager
3. Mailing Address: PO Box 3006
4. City, State and Zip Code: Lodi, CA 95241
5. Contact Phone Number: 209-333-6740
6. WDID # 5B39NP00028
7. Have any areas been added to the MS4 due to annexation or other legal means? YES NO
 If YES Annex March 2007

Outfall	Has map been updated?		Has SWMP been updated?		Receiving Water Name
	YES	NO	YES	NO	
Reynolds Ranch	X		X		Pixley Slough

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 section D.5 of this Annual Report Form.

- B. Reporting Period** (check one): Coverage Commencement December 1, 2003 to June 30, 2004 **-or-**
 July 1, 2004 to June 30, 2005
(Report is due by September 15 July 1, 2005 to June 30, 2006
each year) July 1, 2006 to June 30, 2007
 July 1, 2007 to June 30, 2008



C. Executive Summary

The City of Lodi has met the majority of the goals and objectives of the SWMP for the fifth year of the permit. The purpose of this annual report is to highlight the successes of the program, to assess the strengths and weaknesses of the program, and to propose improvements to the program.

The San Joaquin Stormwater Quality Partnership (SJSQP) continues to be very active and productive. The City of Stockton has joined in along with Lathrop, Lodi, Manteca, Ripon, Tracy and San Joaquin County, in this partnership. Participation enables the City to cost effectively acquire public outreach materials, provide training for contractors and inspectors, and perform mass media stormwater educational outreach. Lodi had many successful events this year: Got SWPPP–Commercial and Industrial Businesses; Coastal Clean-up Day; Lodi High Clean–A–Curb Day; Celebration on Central; TOPPS - Solutions for Compliance; and the Lodi Grape Festival. The Storm Drain Detective Program is comprised of local area high school students and is in its eighth year.

Other highlights of this reporting period include the following:

- Development & Redevelopment Design Standards were not in place by May, 2007. A Final draft was scheduled to go to City Council for acceptance several times during the year. Draft copies had been forwarded to the RWQCB. Final approval and adoption took place on August 6, 2008, after the reporting period. A copy is attached to this report as Exhibit A.
- Lodi conducted 99 construction inspections; 37 notices of corrections were issued.
- Lodi's Public Works Department responded to 32 reported suspected illicit discharges. All were followed up on within 24 hours. Nine (9) Notices of Violation and 5 Courtesy Notices were issued.
- CALFED Watershed Grant Program – “Continuing Education Outreach Restoration and Monitoring of the Lower Mokelumne River Watershed” focused on two tasks at the end of the reporting period. Monitoring the Mokelumne River with students in the Storm Drain Detective program and adapting the “Trekking the Tuolumne River” outdoor science curriculum to the Mokelumne River. (Exhibit B attached).
- In-house stormwater pollution prevention training was provided for Community Development Building Inspectors, Streets & Drainage Maintenance employees, as well as for contractors and developers.
- Public stormwater outreach continued with radio announcements, movie theater slides, newspaper articles, and training events.
- Dry Weather Monitoring field testing equipment has been purchased and a program similar to the City of Stockton's will be adapted and implemented prior to the end of the permit period (Modification to existing permit).



D. Minimum Control Measures

1. Public Education and Outreach

BMP	Description	Status					
		Implemented	Not Applicable	Modified	Effective	Unknown	Not Effective
1. Bilingual Stormwater Education via flyers in utility bills.	Develop flyer and mail to members of the community (business and residential) three times during the permit term. Distribute to new residents when they sign up for utilities.	X			X		
2. Elementary School Stormwater Education, Awareness and Poster Contest.	Develop school criteria to efficiently utilize school allotted time. Distribute materials to 50% of the 5 th Grade students in the LUSD.	X		X		X	
3. Participate in local events with a stormwater information booth.	Prepare booth displays and materials, select appropriate venues and participate in events annually.	X			X		
4. Participate in development of a stormwater video to aid in school presentations.	Seven minute video designed to target 5 th – 6 th Graders. Show video with school presentations and at annual local events.	X			X		
5. Citizen Outreach via media: Theater and radio commercials; newspaper articles, and advertisements.	Collaboration among SJSQP and local effort has approximately 675,910 media impressions per fiscal year.	X		X	X		
6. Business Outreach: Local Area.	Collaboration among SJSQP – Develop priority list of businesses to target (e.g., auto repairs, landscape maintenance, concrete contractors, restaurants, pool maintenance, carpet cleaners). Prepare business-specific materials for outreach and implement distribution.	X				X	
7. Community Car Washes.	Develop and distribute educational brochure on car wash requirements. Target fund raisers – schools, youth groups and locations used. Propose acceptable alternatives.	X			X		
8. Stormwater Web Page.	Develop and promote web site: track number of hits. Establish links to related programs. Update page quarterly. Monitor effectiveness.	X			X		
9. Reduce Floatable Contaminants in Storm System.	Identify sources of floatable debris from various methods; students involved with collection at target areas. Sort debris from cleanings of storm pump stations. Target sources for reduction control measures.	X			X		

a. BMPs

i. General summary

The City of Lodi Public Education and Outreach Program continues to be very active. All 9 BMPs have been implemented, and staff believes that 7 of them are very effective. Additional programs that excel in Minimum Control Measure are the Lower Mokelumne River Watershed Stewardship Plan and the Storm Drain Detectives. Quarterly Progress Report for Lower Mokelumne River Watershed Stewardship Plan, dated June 9, 2008, is attached as Exhibit B.



ii. Status of Measurable Goals

1. Bilingual Stormwater Education via flyers in utility bills. These 25,686 flyers were mailed April 2004.
2. 5th Grade school curriculum materials were obtained from the San Joaquin Stormwater Quality Partnership. This material is used on a county-wide basis, which will provide consistent training to all 5th Graders in the county. The LUSD schools were provided with 1,050 copies of this material, along with a copy of our video, during the month of June 2004. Since this material was distributed to the schools at the end of the school year, it will be introduced to the students next year. Additional material ordered in June 2005 and distributed in March of 2006. These efforts exceed the 50% permit requirement and are very close to 100% of our 5th graders. In addition to this MCM, an elementary school nature field program with high emphasis on the watershed has reached 1,624 students. In May of 2007, this material was again purchased for almost 100% of our 5th grade students. This material was not distributed until August 2007. 2,063 K-8th Graders toured the Lodi Lake Wilderness Area which stresses the watershed and stormwater education.
3. Outreach to the general public and business community was conducted at the following local events: TOPPS (4/24/08), Celebration on Central (5/18/08), Grape Festival (9/13-16/07), and the Thursday Night Farmers Market held in Downtown Lodi. Information in English and Spanish was made available along with promotional gifts.
4. Distributed copies of a 7-minute video designed to target 5th & 6th Graders for a second time during this permit period. This project was a joint effort of the San Joaquin Stormwater Quality Partnership. One additional copy was distributed to each LUSD elementary school to accompany the curriculum previously mentioned.
5. We have had success with a Spanish radio broadcast message addressing trash and auto products and leaks. This effort was a result of the cooperation of the San Joaquin Stormwater Quality Partnership. The ad began on April 5 and ran until May 27, 2004, seven times a day on Monday, Tuesday, Wednesday, Thursday and Sunday of each week on three radio stations. The number of impressions each week for the three stations (KMIX-FM, KCVR-AM, and KTSE-FM) is about 43,250 due to the wide broadcast area. Total impressions are estimated to be 302,750.
 - 5b. Radio (KWIN-FM) broadcast message in English addressing yard waste, reduction of pesticides, motor oil, animal waste, washing vehicles on lawns. Again, this product was a result of the cooperative effort of the San Joaquin Stormwater Quality Partnership. The message rotated between six and seven times a day for four (4) weeks from May 2, 2005 – May 29, 2005. The total impressions are estimated at 95,800.
 - 5c. Radio (KWIN-FM) broadcast message in English addressing yard waste, reduction of pesticides, motor oil, animal waste, washing vehicles on lawns. Again, this product was a result of the cooperative effort of the San Joaquin Stormwater Quality Partnership. The message rotated between six and seven times a day for four (4) weeks from August 29, 2005 – September 24, 2005. The total impressions are estimated at 102,500.
 - 5d. Radio (KWIN-FM) broadcast message in English addressing yard waste, reduction of pesticides, motor oil, animal waste, washing vehicles on lawns. Again, this product was a result of the cooperative effort of the San Joaquin Stormwater Quality Partnership. The message rotated between six and seven times a day for four (4) weeks from October 2, 2006 – October 29, 2006 and again from June 4, 2007 – July 1, 2007. The total impressions are estimated at 240,500.
 - 5e. Radio (KWIN-FM) broadcast message in English addressing yard waste, reduction of pesticides, motor oil, animal waste, washing vehicles on lawns. Again, this product was a result of the cooperative effort of the San Joaquin Stormwater Quality Partnership. The message rotated between six and seven times a day for four (4) weeks from June 30, 2007 – July 29, 2007 and again March 24-28, 2007. The total impressions are estimated at 181,500 (message attached, Exhibit C).
- 5f. On-Screen Advertising at the local movie theater, North American Cinemas – Lodi Stadium 12 for six (6) months on all 12 movie screens with an average of 4 exposures between movies. Beginning on October 1, 2007. These should have provided a minimum of 381,910 impressions (screen slide attached, Exhibit D).



ii. Status of Measurable Goals (continued)

6. Business Outreach: A "GOT SWPPP" workshop was held August 16, 2007, at Hutchins Street Square. Several local area businesses worked together to host a workshop highlighting stormwater awareness in general. This 6-hour long workshop focus was on everyday activities, construction and development design changes. Another very successful effort of the SJSWQP was the "Pre-Post Construction 101" workshop. A morning and afternoon session was held on October 30, 2007, at Micke Grove Park. The City of Lodi is also active in TOPPS and helped sponsor the April 24, 2008 15th Annual Solution for Compliance Pollution Prevention workshop. (Flyers attached, Exhibit E.)
7. Community Car Washes – This BMP was scheduled to be addressed in June of 2005. Informational brochures were distributed by September 2005 to all local High Schools, youth groups, and at usual locations used to host community car washes. We have had a couple of significant newspaper articles on the subject. This initial outreach has been very effective. Contacts have been made with Western Carwash Association. The WCA made a presentation at the GOT SWPPP workshop held for August 16, 2007.
8. Web Page – www.lodi.gov has recently been updated. This fresh look prominently displays our stormwater hotline phone number. The Storm Drain Detectives have a section updated monthly with student monitoring of the Mokelumne River and scheduled activities. There is an information page with the City's SWMP, informational flyers, procedure on how to report illicit discharges, and the Development Standard Plans (DSP). These sites have combined for 11,400 hits.
9. Floatable Contaminants – 141 volunteers participated in the 23rd Annual State-wide California Coastal Cleanup event held at Mokelumne River Wilderness area and Lodi Lake on September 12 & 15, 2007. A 5-page report with a breakdown of the 3,300 pounds of waste collected is attached (Exhibit F). Clean-A-Curb at Lodi High School was held November 17, 2007. Approximately 190 pounds of mixed trash was collected, and a 2-page report is attached (Exhibit G).

iii. Appropriateness

- BMP 1 - Bilingual flyers: 27% of the Lodi population is Latino. Responses from our first mailing were very low. However, having material in Spanish is extremely helpful when there is a language barrier.
- BMP 2 - Elementary School Education is critical if we want to change behavior.
- BMP 3 - Local Events: attending local events with handouts and give-aways certainly furthers our message that stormwater is everybody's business.
- BMP 4 - Video: is an excellent way to get a consistent message out, especially to elementary students.
- BMP 5 - Outreach via media: utilizing radio, theater and newspaper is very appropriate and cost effective.
- BMP 6 - Participation in the San Joaquin Stormwater Quality Partnership on a monthly basis has proven to be an appropriate resource to Local Area Businesses county-wide. This allows for consistency between neighboring communities.
- BMP 7 - Community Car Washes: although sometimes difficult to get the message out, the BMP is appropriate in helping to keep pollutants out of our water ways.
- BMP 8 - Web page: is appropriate in this day and age. Many citizens, businesses and other agencies hit our page to get information on our stormwater program. We had requests for information and photos from as far away as Florida. This is very low cost and open 24-7.
- BMP 9 - Floatable Contaminants: this effort is appropriate in a couple areas: 1) The inventory identifies the type of floatables in our system, and 2) This effort increases awareness in the community.

iv. Effectiveness

Several of the BMP's have been complimenting each other and proven to be very effective. The San Joaquin Stormwater Quality Partnership enabled the City of Lodi to obtain excellent education materials needed for BMP 1-7. BMP 5, media impressions, was greatly enhanced due to collective resources of the group. The consistent message "Only Rain Down the Drain", adopted by the SJSQP, is being used on all information county-wide. Consistent 5th Grade education county-wide will also help reinforce the message.



v. Proposed Modifications

Minimum Control Measure 1-2 Elementary School Stormwater Education modified the distribution of materials to 5th Graders from 50% up to 100%. The poster contest is just not getting off the ground. This BMP is being dropped. The effort with the high school Storm Drain Detectives monthly river monitoring, the 11 stormwater murals on constant display around the City certainly excels in the enhancement of public education and outreach (Exhibit H). Modified timeline for Minimum Control Measure 1-7 Community Car Wash, delayed 3 months. Originally scheduled for June 2005; actual implementation September 2005.

- b. Present results of information collected and analyzed, if any, during the reporting period, including any monitoring data used to assess the success of the program at reducing the discharge of pollutants to the MEP.

The lab results of the samples collected monthly by the Storm Drain Detectives are posted on the City's web page. A sample page for the month of May, 2007, is attached as Exhibit I.

- c. Briefly summarize the storm water activities you plan to undertake during the next reporting cycle (including an implementation schedule). If you propose activities that differ from those originally proposed in the approved SWMP, provide justification.

The original SWMP will continue to be followed. An environmental video contest is being planned for high school students in October of 2008. <http://www.worldsgreatestresource.com/eff.html>. The local theater message will run for 90 days during the summer. Radio outreach announcements are planned for both a spring and fall season (Exhibit J).



BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this permit	Ongoing Implementation
1. Bilingual Stormwater Education via flyers in utility bills.	Develop flyer and mail to members of the community (business and residential) during the permit term. Distribute to new residents when they sign up for utilities.		X	25,686 flyers mailed during the month of April 2004.	Yes
2. Elementary School Stormwater Education, Awareness and Poster Contest.	Develop school criteria to efficiently utilize school allotted time. Distribute materials to 50% of the 5 th Grade students in the LUSD.	X		Materials obtained and distributed to 100% of LUSD 5 th Grade students.	Yes
3. Participate in local events with a stormwater information booth.	Prepare booth displays and materials, select appropriate venues, and participate in events annually.		X	Attended 6 major events this year.	Yes
4. Participate in development of a stormwater video to aid in school presentations.	Seven-minute video designed to target 5 th – 6 th Graders. Show video with school presentations and at annual local events.		X	Completed, copied, and distributed.	Yes
5. Citizen Outreach via media: Theater and radio commercials; newspaper articles, and advertisements.	Collaboration among SJSQP; 675,910 media impressions for fiscal year 2007-08.		X	181,500 impressions on 2 English radio stations; 381,910 impressions on theater slide; 112,500 impressions in newspapers.	Yes
6. Business Outreach: Local Area.	Collaboration among SJSQP – Develop priority list of businesses to target (e.g., auto repairs, landscape maintenance, concrete contractors, restaurants, pool maintenance, carpet cleaners). Prepare business-specific materials for outreach and implement distribution.		X	Priority list developed; materials in development.	Yes
7. Community Car Washes.	Develop and distribute educational brochure on car wash requirements. Target fund raisers – schools, youth groups, and locations used. Propose acceptable alternatives.	X		Implemented Sept. 2005.	Yes
8. Stormwater Web Page.	Develop and promote web site: track number of hits. Establish links to related programs. Update page quarterly. Monitor effectiveness.		X	Completed, up and running. New look scheduled for October 2006.	Yes
9. Reduce Floatable Contaminants in Storm System.	Identify sources of floatable debris from various methods. Students involved with collection at target areas. Sort and identify debris. Target sources for reduction control measures.		X	California Coastal Cleanup Day and Lodi High School Clean-A-Curb events.	Yes



2. Public Involvement and Participation

BMP	Description	Status					
		Implemented	Not Applicable	Modified ¹	Effective	Unknown	Not Effective
10. Citizen monitoring program: Storm Drain Detectives.	Monthly monitoring on nine locations along the Mokelumne River and Lodi Lake. This includes river water samples with lab results posted on City of Lodi web page.	X			X		
11. Public stakeholders' meeting/Citizen Panel.	Advertise and hold SWMP kick-off meeting; quarterly meetings thereafter, if public interest warrants.	X		X			X
12. Stormwater Complaint Hotline.	Establish hotline, advertise in local media. Phone line and internet access from web page. Document reported incidents, respond within 48 hours, and include info in annual report.	X			X		
13. Storm Drain Labeling.	Label 98% of storm drain inlets. Current design standards ensure new developments are labeled when installed. Efforts to retrofit existing inlets have labeled catch basins. (2,750).	X			X		
14. Community Cleanup Programs.	Annual trash and debris removal City-wide. Focus on floatables getting into waterways. Find willing groups or individuals to participate. Develop hazardous household waste collection efforts.	X			X		

a. BMPs

i. General summary

These 5 BMP's have been implemented. BMP 11 – Stakeholders meetings modified. BMP 13 – Storm Drain labeling is a work in progress. New development is being labeled before acceptance. Existing inlets are labeled as of December 2005.

ii. Status of Measurable Goals

- 10. Citizen Monitoring Program – Our Storm Drain Detectives are a dynamic group of high school students from all 4 of our local high schools. They are led by the tireless efforts of Kathy Grant. Monthly, this group takes samples and records observations of the Mokelumne River and Lodi Lake. These samples are sent to a lab and the results are posted on our web page. http://www.lodi.gov/Storm_Drain_Detectives/index.htm
- 11. A very well publicized meeting resulted in very poor attendance by the general public. This approach needs some modification to be successful. Efforts have been redirected into the business community through presentations and workshops targeting specific areas of concerns.
- 12. The Storm Drain hotline is on all of our brochures and web page. We encourage citizens to call with any questions, as well as to report illicit discharges. All calls are routed to the Streets & Drainage Division for response. We received 32 calls.
- 13. Completed December 2005.
- 14. Student outings have collected and sorted debris from both Lodi High School for Clean-A-Curb Day and at the Mokelumne River; at Lodi Lake for California Coastal Cleanup Day.



iii. Appropriateness

The Citizen Outreach Programs are appropriate.

iv. Effectiveness

The Storm Drain hotline received 32 phone calls, and all were responded to within one business day. Several of these calls resulted in action being taken.

v. Proposed Modifications

MCM 11 – Public Stakeholder Meetings – Citizen Panel: was not successful. Stakeholder meetings have not been able to generate attendance. However, advertised training sessions for construction, post-construction or development design standards topics have been more successful when targeting a specific area. These different approaches have been publicized in the local newspaper, on the City’s web page and through the SJSQP county-wide.

- b. Results of information collected and analyzed, if any, during the reporting period, which includes any monitoring data used to assess the success of the program at reducing the discharge of pollutants to the MEP.

MCM 14 - Information collected is listed on the attached pages titled: 2007 CALIFORNIA COASTAL CLEANUP. Follow-up Lodi Lake and Mokelumne River and LODI HIGH SCHOOL CLEAN-A-CURB, November 11 - 17, 2007. Exhibits F & G.

- c. Briefly summarize the storm water activities you plan to undertake during the next reporting cycle (including an implementation schedule). If you propose activities that differ from those originally proposed in the approved SWMP, provide justification.

The original SWMP will continue to be followed. A Dry Weather Monitoring program similar to the City of Stockton will be established by June 2007 and implemented by June of 2008.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this permit	Ongoing Implementation
10. Citizen Monitoring Program: Storm Drain Detectives.	Monthly monitoring of nine locations along the Mokelumne River and Lodi Lake.		X	Complete	Yes
11. Public Stakeholders Meeting/Citizen Panel.	SWMP kick-off meeting; Quarterly meetings if public interest warrants.	X		Complete	No
12. Storm Water Complaint Hotline.	Record number of calls, responded within 3 business days.		X	Responded to 46 calls	Yes
13. Storm Drain Labeling.	Label 98% of storm drain inlets.		X	Complete	Yes
14. Community Cleanup Programs.	Annual trash and debris removal City wide.		X	Complete	Yes



3. Illicit Discharge Detection and Elimination

<i>BMP</i>	<i>Description</i>	<i>Status</i>					
		<i>Implemented</i>	<i>Not Applicable</i>	<i>Modified¹</i>	<i>Effective</i>	<i>Unknown</i>	<i>Not Effective</i>
15. Storm System Map	Prepare and annually update MS4 map. Add watershed for each discharge point. Create and maintain a storm system map indicating all outfall locations.	X			X		
16. Illicit Discharge Ordinance.	Adopt and implement an ordinance to prevent stormwater pollution. Include parking lot owners to sweep weekly; identify how ordinance will be enforced.	X			X		
17. Develop and Implement a Plan to Address Non-Stormwater Discharges and Illegal Dumping.	Use enforcement tools to: 1) Require illicit dischargers to immediately cease and desist discharging to receiving waters or storm system. 2) Remove illicit connections detected within 5 business days or less. 3) Require clean up and abatement to recover cost to the City to cleanup and abate discharge. 4) Establish and Implement Dry Weather Discharge Screening before the end of permit.	X		X	X		
18. Establish a City Household Hazardous Waste Drop Off.	In addition to City-sponsored efforts (Electronic Waste Clean-up Day), promote the newly-opened San Joaquin County Household Hazardous Waste Consolidation Facility.	X			X		

a. **BMPs**
 i. **General Summary**

With the adoption of the Stormwater Ordinance, and vigorous enforcement, the City is very aggressive on illicit discharges. The Recycling Coordinator has done a great job for many years in spreading the word on proper disposal of household hazardous waste. The City of Lodi Public Works and Electric Utility Departments and our franchise waste hauler Waste Management have conducted an Electronic & Household Waste Clean-up Day for the past five years.



ii. Status of Measurable Goals

- 15. The storm system map has been updated. The City annexed approximately 150 acres late in February, called the Reynolds Ranch project. Development plans are still being prepared. Grading has started, however all drainage is designed to remain on site. Therefore, no changes to the city drainage system as of yet. All the major outfalls have been identified. The watershed for each outfall is identified.
- 16. An ordinance has been adopted and enforcement actions have been taken.
- 17. All known illicit discharges have been promptly contained and cleanup efforts resulted in preventing waterway access.
- 18. Main effort has been to promote the new County Household Hazardous Waste Consolidation Facility. Electronic Waste Clean-up Days: August 14, 2004 – 420 vehicles in 3 hours recovered 12.5 tons of TV's and computers. February 5, 2005 event – 510 vehicles in 3 hours recovered 27 tons of TV's and computers. August 20th, 2005 - 505 vehicles in 3 hours recovered 31 tons. May 20th, 2006 – 526 vehicles in 6 hours, recovered 53 tons of electronic wastes, including 10 pounds of Mercury. The total household hazardous waste and electronic waste collected at 7 different events during 2007/2008 is 77.5 tons.

iii. Appropriateness

The programs are appropriate.

iv. Effectiveness

These programs are very effective. As the City continues aggressive enforcement of the ordinance, there will be a positive effect in the quality of stormwater discharge from the City system. BMP #18 diverts waste from landfills, promotes recycling.

v. Proposed Modifications

The modification to this MCM is to implement a Dry Weather Screening program by the end of this permit.

b. Results of information collected and analyzed, if any, during the reporting period, including any monitoring data used to assess the success of the program at reducing the discharge of pollutants to the MEP.

Public involvement with household hazardous collection most recently increased in the tonnage of waste collected by 47%. Our first effort in 2004 collected 12.5 tons. During this last year, we had seven events and collected 77.5 tons of waste.

c. Briefly summarize the storm water activities you plan to undertake during the next reporting cycle (including an implementation schedule). If you propose activities that differ from those originally proposed in the approved SWMP, provide justification.

The original SWMP will continue to be followed with the addition of dry weather monitoring as requested by the CRWQCB.



BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this permit	Ongoing Implementation
15. Storm System Map.	Create and maintain map.		X	Complete.	Yes
16. Illicit Discharge Ordinance.	To adopt and implement a pollution prevention ordinance.		X	Adopted December 17, 2003	Yes
17. Develop and Implement a Plan to Address Non-Stormwater Discharges and Illegal Dumping.	All known illicit discharges stopped immediately and cleanup followed. Design a Dry Weather Screening program similar to the City of Stockton.	X		Complete. Design June, 2007 Implementation June 2008	Yes
18. Establish a City Household Hazardous Waste Drop Off.	San Joaquin Household Hazardous Wastes Consolidation Facility. The addition of the Electronic Waste Clean-up Day.		X	Complete.	Yes

4. Construction Site Storm Water Control

BMP	Description	Status					
		Implemented	Not Applicable	Modified ¹	Effective	Unknown	Not Effective
19. Construction Storm Water Ordinance.	Develop and adopt ordinance.	X			X		
20. Construction Storm Water Training for Site Owners and Developers.	Collaboration among SJPIISWC to develop the following: 1) Training materials. 2) Implement training program each Fall.	X			X		
21. Construction Plan Review for Erosion and Sediment Controls.	Develop and implement procedures for site plan review.	X			X		



BMP	Description	Status					
		Implemented	Not Applicable	Modified ¹	Effective	Unknown	Not Effective
22. Construction Site Inspections; Develop Procedures for Inspection and Performance of Construction Site Pollution Control Measures. -Develop Inspection Procedures/Checklist for Inspectors. -Establish a System and Procedures for Enforcement of Violations. -Implement Procedures for Inspections and Enforcement of Control Measures. -Train Municipal Inspectors on New Requirements and Implement Inspection and Enforcement Procedures. -Conduct Stormwater Inspections of Construction Sites > 1 Acre, using Criteria for Establishing Priority Sites.	<p>Develop inspection program. Implement inspection program.</p> <p>Designate municipal staff trained in construction site inspection. Construction site inspection > 1 acre inspected once per year.</p> <p>Priority sites inspected monthly during wet season (October through April).</p>	X		X	X		



a. BMPs

i. General Summary

All projects, 1 acre or more, are required to have the SWPPPs plan checked. Lodi construction inspectors have been very aggressive in enforcing SWPPP requirements. Training sessions have been done for inspectors and for contractors/developers.

ii. Status of Measurable Goals

- 18. The ordinance has been adopted and enforcement actions have been taken.
- 19. Contractor/developer training was held through the SJSQP in Tracy on September 15, 2004. Next session held Sept. 28, 2005, in Stockton. January 18, 2006 and again January 25, 2006 "Field Application Training for Erosion and Sediment Control BMP's on Construction Sites" held in Lodi. November 15, 2006, Pre & Post Construction held in Stockton. October 30, 2007 Pre- & Post Construction 101 "What to Look For" held at Micke Grove Park. (Exhibit K).
- 20. Plan check training was done through the SJSQP. Community Development Planning Division responsible for Plan Check review with assistance from the Public Works Department, both for construction and development - redevelopment requirements.
- 21. Inspector training was done annually through the SJSQP and training videos were purchased and viewed. Construction site inspections are taking place and have resulted in notices of violations and corrections. City construction inspectors visit sites on a regular basis, but do not record and track each inspection. A construction information brochure was created. A concrete waste brochure was also created. Notices are going out with all building permits and encroachments permits. A "Notice to Implement SWPPPs" is required on all permits for 1 acre or more. Complaints are recorded and responded to within 3 business days.

iii. Appropriateness

The BMP's in this MCM are appropriate.

iv. Effectiveness

The BMP's are effective.

v. Proposed Modifications

Construction site inspections modified. In-house staff was not consistent with documentation of sites >1 acre. A private consultant was hired with a dedicated inspector to inspect sites, record and document results of monthly inspections to City. Egregious offenses are reported immediately.

b. Results of information collected and analyzed, if any, during the reporting period, including any monitoring data used to assess the success of the program at reducing the discharge of pollutants to the MEP.

Attached is a list of the construction sites in Lodi >1 acre (Exhibit J). Of the 32 calls reporting illicit discharges, 5 received Courtesy Notices, 9 received NOV's.



- c. Briefly summarize the storm water activities you plan to undertake during the next reporting cycle (including an implementation schedule). If you propose activities that differ from those originally proposed in the approved SWMP, provide justification.

The original SWMP will continue to be followed.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this permit	Ongoing Implementation
19. Prepare and Adopt Ordinance.	Adoption of ordinance.		X	Adopted December 17, 2003	Yes
20. Training of Site Owners & Developers.	Provide related materials. Schedule follow up meeting each Fall.		X	Implemented training on 9/15/04, 9/28/05, 1/18/06 & 1/25/06 8/15/06	Yes
21. Plan Review for Erosion Control and Sediment Controls.	Develop and implement procedures for site plan review.		X	Complete	Yes
22. Inspector Training.	Develop and implement inspection program. Priority sites inspected monthly during wet season.		X	Complete	Yes

5. Post-Construction Storm Water Management

If your community is subject to Attachment 4 (Supplemental Provisions) of the General Permit, note your compliance with and progress implementing the Design Standards in this section, if applicable.

BMP	Description	Status					
		Implemented	Not Applicable	Modified ¹	Effective	Unknown	Not Effective
23. Post-Construction Ordinance.	Adopt a stormwater pollution prevention ordinance.	X			X		
24. Standard Urban Storm Water Mitigation Plan (SUSMP).	Develop and implement strategies in compliance with Attachment 4 of Small MS4 permit, by May 2007 per RWQCB letter of 4/25/06.	X		X	X		
25. Revise City Land Use and Zoning Plan to Consider Storm Water Quality.	Reduce percent of new impervious surfaces associated with new development projects, 10% in residential, by May 2007 per RWQCB letter of 4/25/06.	X		X	X		



a. BMP's

i. General Summary

The ordinance has been adopted. New designs for subdivisions reduced the amount of impervious surfaces.

ii. Status of Measurable Goals

- 22. The ordinance has been adopted.
- 23. Develop and enforce post construction new development and redevelopment standards by May 2007 per CRWQCB letter 4/25/06.
- 24. A new design criterion has been implemented in the most recent subdivisions. These designs have reintroduced the parkway strip with City-maintained trees and narrow paved roads.

iii. Appropriateness

These BMP's are appropriate for this MCM.

iv. Effectiveness

All 3 of these BMP's are very effective.

v. Proposed Modifications

Modifications proposed for this MCM are post construction new development and redevelopment standards to be implemented by May 2007 per RWQCB letter of 4/25/06. Draft Design Standards Plans completed June of 2007. The DSP was pulled from Council agenda of August 15, 2007 due to concerns over Downtown infill issues and establishment of fee structure for inspections and maintenance of post construction BMP's. Adoption occurred at the August 6, 2008 Council meeting. RWQCB was kept advised of delays.

b. Results of information collected and analyzed, if any, during the reporting period, including any monitoring data used to assess the success of the program at reducing the discharge of pollutants to the MEP.

There was no information collected or analyzed.

c. Briefly summarize the storm water activities you plan to undertake during the next reporting cycle (including an implementation schedule). If you propose activities that differ from those originally proposed in the approved SWMP, provide justification.

The original SWMP will continue to be followed. Post construction new development and redevelopment standards to be in place and enforceable by the end of 2007-08. Increased training on Development Standard Plans (DSP) with plan check, inspection and maintenance of Post Construction BMP's.



BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this permit	Ongoing Implementation
23. Post-Construction Ordinance.	Adoption of ordinance.		X	Adopted December 17, 2003	Yes
24. Standard Urban Storm Water Mitigation Plan (SUSMP).	Post construction development and redevelopment standards in place and enforceable per Attachment 4.	X		Required as of May 2007. DSP adopted August, 2008.	Yes
25. Comprehensive Land Use Master Plan.	Reduce percentage of impervious surfaces on new development by 10% in residential.		X	Complete	Yes



6. Pollution Prevention and Good Housekeeping for Municipal Operations

BMP	Description	Status					
		Implemented	Not Applicable	Modified¹	Effective	Unknown	Not Effective
26. Operation and Maintenance Program to Prevent or Reduce Pollutant Runoff from Municipal Operations (Facilities and Activities).	Develop procedures and implement BMP's at facilities and during municipal activities.	X			X		
27. Survey Departments and Facilities for Activities that may Contribute Pollutants.	Identify problem areas and develop procedures for implementing BMP's.	X			X		
28. Storm Sewer Inlet and Manhole Maintenance.	Inspection and cleanout of storm sewer inlets and manholes. Inventory inlets and manholes and document annual inspection and cleanout as necessary.	X			X		
29. Storm Sewer Catch Basin Maintenance.	Inspection and clean out catch basins. Inventory catch basins and document annual inspection and clean out as necessary.	X			X		
30. Storm Sewer Pipeline Maintenance.	Cleanout of storm sewer pipeline system over three-year period. Identify priority pipelines to be cleaned annually.	X		X	X		
31. Street Sweeping.	Sweep residential streets 2x per month, commercial streets weekly. Reduced sweeping of State Highway 12 from weekly to bi-weekly.	X		X	X		
32. Pump Station Maintenance.	Clean out pump stations as necessary to prevent storm sewer backup and flooding. Identify priority stations to be cleaned every year prior to wet season.	X			X		
33. Detention Basin Maintenance.	Clean out and maintain detention basins as necessary to ensure proper function.	X			X		
34. Preserving Open Space Associated with Urban Trees.	Maintain and protect trees within the City's urban forest.	X			X		
35. Residential and Commercial Green Waste Management.	Ensure that green waste that is set out for pickup and disposal is containerized with the exception of annual leaf removal program.	X			X		
36. Good Housekeeping at, and Inspection of, Corporation Yard(s).	Develop SWPPP's for corporation yards. Conduct monthly inspections.	X			X		



BMP	Description	Status					
		Implemented	Not Applicable	Modified ¹	Effective	Unknown	Not Effective
37. Municipal Operations Employee Training.	Develop and implement a training program for appropriate municipal operations employees. Provide training at least annually; document.	X			X		
38. Pesticide and Fertilizer Pollution Prevention Program.	Develop and implement program for municipal employees that use these materials.	X			X		
39. Spill Prevention and Response Program.	Develop and implement program.	X			X		
40. Municipal Construction Site Pollution Prevention.	Ensure plans are reviewed and sites are inspected along with privately owned construction sites; ensure coverage under State permit, if applicable.	X			X		

- a. BMP's
 - i. General Summary

The City had many appropriate programs already in place for this MCM. Implementation will continue with new emphasis on training.



- 25. Municipal SWPPP developed and implemented. The Corporation Yard has been mapped and pollutant potential has been assessed. Additional catch basin treatment has been purchased; installation and training will begin upon delivery. The training program has been increased significantly from last year. Sanitary Sewer Overflows (SSO) city-wide--17 recorded, 8 SSO's reached a storm conveyance, and those lines were cleaned immediately; 1 SSO reached receiving waters and was over 1,000 gallons.
- 26. Survey departments and exchange of information has reduced pollutants through increased awareness.
- 27. Manhole inspections completed. Locations that revealed dirt or debris cleaned. Manholes in construction areas inspected monthly and cleaned as needed.
- 28. Catch basin inspection and cleaning completed this year prior to the wet season.
- 29. Storm line maintenance and cleaning fell to 52,671 feet due to equipment failures. This is a 59% reduction from last year.
- 30. The street sweeping program swept 26,120 curb miles and removed 1,400 tons of debris. During winter months, 585 tons of leaves were swept and taken to be composted.
- 31. Storm Pump Station maintenance, all 14 stations have been cleaned and maintained.
- 32. Detention Basin maintenance--these basins serve in a dual role as parks during the dry season. As such, they are constantly visited by the public, mowed weekly by Parks, and inspected monthly by the Streets & Drainage Division during the dry season.
- 33. Preserving open space associated with urban forest is being accomplished through new subdivision designs which require parkway strips to be planted with trees to be maintained by the City. This reduces the amount of impervious surface in our subdivision design.
- 34. Residential and commercial green waste management is accomplished through two means. The residential is a City executed franchise contract which does require waste be placed in a container. Commercial green waste generators are encouraged to recycle their green waste and prohibited from placing it in the street.
- 35. Good Housekeeping at the Corporation Yard is provided through numerous means of which reports during the bi-weekly tailgate session is the most effective.
- 36. Municipal employee training is accomplished through general and specific meetings. The most effective is again utilizing the bi-weekly tailgate meetings.
- 37. Pesticide and fertilizer pollution prevention is an existing program. With County Department of Agriculture monitoring and recordkeeping requirements and mandatory training of personnel, waste is nonexistent.
- 38. Spill prevention and response program is up and running. A spill response procedure has been implemented at the fuel island with posted procedures, and training has been conducted for all users. Spills in the public right-of-way are dealt with by the Streets & Drainage Division. Again special procedure, training has been in place for years including neutralizing chemicals and absorbent materials to aid in petroleum products.
- 39. Municipal Construction pollution prevention is accomplished through good housekeeping efforts, and engineering/constructions design standards.

ii. Status of Measurable Goals

iii. Appropriateness

The BMP's implemented in this MCM are appropriate.

iv. Effectiveness

This MCM is very effective at stopping pollution from Municipal sources.

v. Proposed Modifications

Street Sweeping--reduction to the frequency of Highway 12 sweeping per Caltrans request. Storm line cleaning down from previous year due to equipment failure.



- b. Results of information collected and analyzed, if any, during the reporting period, including any monitoring data used to assess the success of the program at reducing the discharge of pollutants to the MEP.

There was no information collected or analyzed.

- c. Briefly summarize the storm water activities you plan to undertake during the next reporting cycle (including an implementation schedule). If you propose activities that differ from those originally proposed in the approved SWMP, provide justification.

The original SWMP will continue to be followed.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this permit	Ongoing Implementation
26. Operation and Maintenance Program to Prevent or Reduce Pollutant Runoff from Municipal Operations (Facilities and Activities).	Develop procedures and implement BMP's at facilities and during municipal activities.		X	Complete	Yes
27. Survey Departments and Facilities for Activities that may Contribute Pollutants.	Identify problem areas and develop procedures for implementing BMP's.		X	Complete	Yes
28. Storm Sewer Inlet and Manhole Maintenance.	Inspection and cleanout of storm sewer inlets and manholes. Inventory inlets and manholes and document annual inspection and cleanout as necessary.		X	Complete	Yes
29. Storm Sewer Catch Basin Maintenance.	Inspection and cleanout catch basins. Inventory catch basins and document annual inspection and cleanout as necessary.		X	Complete	Yes
30. Storm Sewer Pipeline Maintenance	Cleanout of storm sewer pipeline system over three year period. Identify priority pipelines to be cleaned annually.		X	Complete	Yes
31. Street Sweeping.	Sweep residential streets 2x per month, commercial streets weekly. Reduction in service provided to Cal-Trans.	X		Complete	Yes
32. Pump Station Maintenance.	Clean out pump station as necessary to prevent storm sewer backup and flooding. Identify priority stations to be cleaned every year prior to wet season.		X	Complete	Yes
33. Detention Basin Maintenance.	Clean out and maintain detention basins as necessary to ensure proper function.		X	Complete	Yes



34. Preserving Open Space Associated with Urban Trees.	Maintain and protect trees within the City's urban forest.		X	Complete	Yes
35. Residential and Commercial Green Waste Management.	Ensure that green waste that is set out for pickup and disposal is containerized with the exception of annual leaf removal program.		X	Complete	Yes
36. Good Housekeeping at, and Inspection of, Corporation Yard(s).	Develop SWPPP for corporation yards. Conduct monthly inspections.		X	Complete	Yes
37. Municipal Operations Employee Training.	Develop and implement a training program for appropriate municipal operations employees. Provide training at least annually; document.		X	Complete	Yes
38. Pesticide and Fertilizer Pollution Prevention Program.	Develop and implement program for municipal employees that use these materials.		X	Complete	Yes
39. Spill Prevention and Response Program.	Develop and implement program.		X	Complete	Yes
40. Municipal Construction Site Pollution Prevention.	Ensure plans are reviewed and sites are inspected along with privately owned construction sites; ensure coverage under State permit, if applicable.		X	Complete	Yes

E. 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."

Signature of Permittee (legally responsible person)

Date Signed

George M. Bradley

Streets & Drainage Manager