

**Butte County Storm Water Management Program**

**NPDES Phase II Annual Report – Third Permit Year**

**September 15, 2006**

Submitted By:

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# ANNUAL REPORT

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

*(See Small MS4 Annual Report Guidance for additional guidance on completing this Annual Report Form)*

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

**A. Permittee Information**

- 1. Permittee (Agency Name): Butte County
- 2. Contact Person: Mike Crump, Director of Public Works
- 3. Mailing Address: 7 County Center Drive
- 4. City, State and Zip Code: Oroville, CA 95965
- 5. Contact Phone Number: (530) 538-7266
- 6. WDID # 5A04MSW2001
- 7. Have any areas been added to the MS4 due to annexation or other legal means?  YES  NO  
If YES

Outfall	Has map been updated?		Has SWMP been updated?		Receiving Water Name
	YES	NO	YES	NO	

- 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 (January 7, 2004) to June 30, 2004 **-or-**  
 July 1, 2004 to June 30, 2005  
*(Report is due by September 15 each year)*  July 1, 2005 to June 30, 2006  
 July 1, 2006 to June 30, 2007  
 July 1, 2007 to June 30, 2008

**C. Executive Summary**

The County's third year of the permit term has required staff, mainly from the Public Works Department, to continue developing the implementation aspects of the six minimum controls measures outlined in the Butte County Storm Water Management Program. The Best Management Practices implemented within the third year of the permit term are described throughout this document. The fourth through fifth permit years will see activities and specific measurable goals that will measure the effectiveness of the County's Storm Water Program in reducing storm water pollution to the permit area's receiving waters to the maximum extent practicable.

Butte County's Phase II permit area covers the urbanized unincorporated areas within and around the City of Chico

city limits. There are areas of the County NPDES permit area that are completely surrounded by the City of Chico. Many of these islands of the County have been annexed into the City of Chico within this reporting period so that the population within the County's NPDES permitted area has actually been reduced since 2003. Mapping of county drainage systems within the NPDES MS4 permit area has been performed and entered as a GIS data layer for reference on the County mapping program database. This map data will be used by the county road crews in their annual drain inlet cleaning program, the illicit discharge response procedures that are being developed, as well as the drain inlet marking program.

The County Department of Development Services, Planning and Building Divisions, continues with a development permit process procedure that for every building permit application submitted a signed statement from the owner or contractor agent stating that their project disturbs either less than one acre of land or more than an acre of land must be included in the file before a permit is issued. If a project meets the one acre or more threshold, information on the State Construction Storm Water Permit Program is given to the permit applicant for their use in compliance with the State Construction Storm Water Program. All permit applicants are informed of the Construction Storm Water Program's requirements of reducing storm water pollution during construction activities. The Planning Division of the Department of Development Services reviewed 100% of the pending applications for consideration by the Planning Commission and the Butte County Board of Supervisors in the past year. All applications, including Tentative Parcel Maps, Tentative Subdivision Maps, Use Permits, Variances, and other types of planning applications were reviewed during this time period to determine if the project needed to comply with the State Construction Storm Water Permit Program.

Storm drain inlet marker designs were developed and markers were purchased. The drain inlet marking program started in year three of the permit term. The marking program began in areas within the permit boundaries that are least likely to be annexed into the City of Chico within the next two years. This will optimize the County's message to County residents that dumping into a County storm drain will affect groundwater or a nearby creek.

Public education and participation activities have been developed and initiated, as well as guidelines for targeted programs within these minimum control measures. Employee and development community educational activities on storm water pollution prevention will continue. Handouts and several brochures continue to be made available at the Building and Public Works Land Development counters and several articles appeared in the County employee publication named The Voice, stressing the importance of storm water pollution reduction activities. Each issue of The Voice has a distribution of 2,500 copies.

The Chico Unified School District has been slow in allowing Butte County to present any storm water pollution reduction message to local area school children. Currently only the Shasta Elementary School is located in the County area of the NPDES permit. It is scheduled to be annexed into the City of Chico within the near term which will leave no Chico Area School District elementary schools within Butte County's NPDES permit area.

Storm water pollution related education materials have again been made available at a few well attended community events. Butte County also participated in several community cleanup events during the third year of the permit. The annual Bidwell Park & Creek Cleanup hosted by the Butte Environmental Council resulted in a large quantity of trash brought to the County Landfill. Butte County's tire amnesty event recovered several tons of tires countywide.

Butte County's agricultural oil recovery program continues to receive thousands of gallons of oil for recycling. The Paradise curbside oil recovery efforts continue to be well received and used. Also the high school shop best management practices oil recycling program continues to make high school auto shop participants aware of the benefits of recycling automobile oil.

Other storm water related outreach educational activities included another workshop hosted by Butte County Public Works and the City of Chico. Attendees included County and City staff, as well as local and out-of-area engineers,

developers and contractors. Topics covered included the State Construction Storm Water Permit regulations and proper sediment and erosion control best management practices. The workshop included a PowerPoint presentation and a site visit to an active construction project for hands on experience of proper best management practices installation and maintenance. County personnel continue to attend presentations by the California Storm Water Quality Association.

Butte County is not subject to Attachment 4 (Supplemental Provisions) of the General Permit so compliance with and progress implementing the Design Standards in that attachment do not apply. On all new development the current County design standards require projects to have no increase in predevelopment runoff and in some cases a 10 percent reduction in predevelopment runoff is required. A Committee has been formed and continues to meet on a regular basis to revise the County's Grading Ordinance, develop an illicit discharge storm water pollution ordinance, and revise some County Standards to include storm water pollution reduction measures. County Public Works, Building and Planning Divisions, and field employees have been made aware to report land disturbance events appearing to be over one acre to the Land Development Department for referral to the Regional Water Quality Control Board (RWQCB). Citizen complaints continue to be investigated for possible referral to the RWQCB. During the period from July 1, 2005 through June 30, 2006 there were numerous sites within the County that were investigated by County staff to determine if land disturbance activities were violating the State Construction Storm Water Permit. Photo documentation and parcel ownership information would be forwarded to the RWQCB for follow-up action as appropriate.

The third year Storm Water Management Program activities for Butte County have been completed and some modifications in the County's program were necessary. The next two years of the permit period will see continued activities with measurable goals that will help determine the effectiveness of the best management practices used to reduce storm water pollution in the waterways in and around the City of Chico. Subsequent permit years may see alterations in the proposed storm water pollution reduction activities if measurable results are not obtained. The public opinion survey results obtained in the second year when compared with the fifth year survey results will be a critical tool in determining the effectiveness of the County's Storm Water Management Program. The County's storm water website at <http://www.buttecounty.net/publicworks/stormwater.html> will continue to offer information and references to storm water pollution reduction activities. It will be kept updated to keep the residents of Butte County informed as to the current status of the County's Storm Water Management Program as well as show links to other websites for storm water or water pollution related information.

Attachments to this third annual report include copies of materials developed and used during the third year of Butte County's Storm Water Management Program. Butte County will be working in partnership with the City of Chico throughout the remainder of the permit term to implement many of the outlined BMPs in the County's Storm Water Management Program.

## D. Minimum Control Measures

Report on the status and effectiveness of BMPs and measurable goals by completely answering the following questions. Include any proposed modifications to the SWMP and anticipated changes to the schedule. You may use the tables provided and use narrative sections to highlight information. Alternatively, you may wish to only provide information in a narrative format. If the “Status of Measurable Goals” question is completely addressed by the table, you may write “see table” in that narrative section.

### 1. Public Education and Outreach

<i>BMP</i>	<i>Description</i>	<i>Status</i>					
		<i>Implemented</i>	<i>Not Applicable</i>	<i>Modified</i>	<i>Effective</i>	<i>Unknown</i>	<i>Not Effective</i>
PE I-A: Storm Drain Inlet Stenciling	Require 100% of new storm drain inlets to be stenciled.	✓					
PE I-A: Storm Drain Inlet Stenciling	Map of existing storm drains developed and sectioned into 3 zones			✓			
PE I-A: Storm Drain Inlet Stenciling	Develop stencil, stenciling guidelines and procedures and develop and update stenciling volunteer lists	✓					
PE I-A: Storm Drain Inlet Stenciling	Stencil 1/3 <sup>rd</sup> of existing storm drain inlets each year beginning 7/04 and completing all drain inlets within initial Permit term.			✓			
PE I-B: Clean Water Business Partners	Update listing of businesses that could help promote storm water pollution prevention methods.	✓					
PE I-B: Clean Water Business Partners	Distribution and updates of a brochure for each type of business identified as a targeted business that will help promote storm water pollution prevention activities.	✓					
PE I-B: Clean Water Business Partners	Promotion of targeted businesses with proclamations and website posting of targeted business efforts.	✓					
PE I-C: Community Events	Partner with local community groups and use appropriate brochures on various storm water pollution reduction activities for handout at community events. Brochures to be used in media campaign and made available on the website.	✓					
PE I-C: Community Events	Attend community events to distribute storm water information.	✓					
PE I-D: Storm Water Website	Develop, upgrade and maintain interactive County Storm Water Management Program website.	✓					
PE I-E: Media Campaigns	Researched partnering opportunities and costs for newspaper advertising, radio spots, TV spots, and billboards.	✓					
PE I-E: Media Campaigns	Implement Public Service announcements through radio, television, and printed materials.	✓					
PE I-F: Water Wise Pest Control Program	Partner with Agricultural Commissioner to form partnerships with local businesses to encourage less toxic methods of pest control. Develop and maintain distribution of point of purchase brochures.	✓					
PE I-G: Public Opinion Surveys	Develop and distribute locally appropriate public opinion survey and analyze results – compare results with end of permit year survey results.	✓					
PE II-A: Storm Water Classroom Presentations	Develop and give Storm Water Pollution presentations suitable for third through sixth grade classrooms with support of local School Board. Presentations will tie into science standards and be age appropriate. Materials and concepts will introduce children to the water cycle, streamside communities and aquatic food chain concepts and the types and effects of storm water pollution.			✓			

<i>BMP</i>	<i>Description</i>	<i>Status</i>					
		<b>Implemented</b>	<b>Not Applicable</b>	<b>Modified</b>	<b>Effective</b>	<b>Unknown</b>	<b>Not Effective</b>
PE III-A: County Officials	Provide opportunities for County officials to participate in environmental education by notifying them of upcoming community events or presentations that promote the County's Storm Water Management Program. Issue proclamations where appropriate.	✓					
PE III-B: County Department Partnerships	Maintain opportunities to work with County departments to promote the storm water message by incorporating public awareness and county responsibilities into staff training and departmental website links.	✓					
PE III-B: County Department Partnerships	Place an article in the County Voice newsletter twice a year that is distributed monthly to all employees.	✓					
PE III-C: Annual Agency and Board of Supervisors Update	Provide copies of the annual Storm Water Management Program report that are submitted to the Regional Water Quality Control Board to all cooperating County departments and the Board of Supervisors.	✓					
PE III-C: Annual Agency and Board of Supervisors Update	Provide periodic updates to the Board of Supervisors as well as other agencies.	✓					

a. **BMPs**

i. **General Summary**

Storm water pollution reduction will best be achieved through education of the public. A change in the public's awareness and the role they play in reducing storm water pollution is key to the success of our Program. Storm drain inlet marking, business and community partnerships, a storm water website, and media campaign guidelines will continue to evolve throughout the permit term.

ii. **Status of Measurable Goals**

The third year's measurable goals have been achieved with only minor modifications that are discussed below.

iii. **Appropriateness**

The minimum control measures implemented in the third year of the permit term are appropriate to the County's Storm Water Management Program. The first three year's BMP development and implementation will provide a basis for an effective and measurable program for compliance with the Storm Water Permit in the following years.

iv. Effectiveness

The third permit year offered no effective way to measure the overall effectiveness of all the control measures implemented in the first three years of the permit term. Subsequent permit years will involve the implementation of measures that will allow for measurable documentation of their effectiveness.

v. Proposed Modifications

Due to recent extensive and continued annexations by the City of Chico of County NPDES permit areas, the originally purposed drain inlet marking program has been revised. The drain inlet marking program began in the fall of 2005 and approximately 1/3 of the County drain inlets will be marked each year until all drain inlets have been marked by the end of the permit term. Classroom presentations have not begun due to delays in acceptance from the Chico Unified School District. The only school in the County's permit area is scheduled to be annexed into the City of Chico soon.

- 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 June 2005 initial public opinion survey results are presented in last year's annual report. There were no other measured results obtained during this permit year to be included here.

- 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 chart below outlines the County's next reporting cycle's storm water activities that will be implemented. The Ongoing Implementation column describes activities to be implemented throughout the remainder of the permit term.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Completed this year	Ongoing Implementation
PE I-A: Storm Drain Inlet Stenciling	Identify, with a round vinyl marker, one third of storm drain inlets each year beginning Fall 2005 and completing all drain inlets within initial Permit term	✓		One third of the drain inlets marked with storm water message vinyl marker.	Mark remaining drain inlets by end of permit term.
PE I-B: Clean Water Business Partners	Brochure distributed by targeted businesses beginning 7/04 and updated and redistributed as needed		✓	Redistributed brochure. No new businesses added.	Partner with City of Chico's program.
PE I-B: Clean Water Business Partners	Help promote targeted businesses that use storm water pollution prevention practices by Supervisor proclamations, web site acknowledgements, etc.		✓	Clean Water Business Partners identified on webpage	Ongoing practice.
PE I-C: Community Events	Distribute locally appropriate brochures beginning 7/04 and throughout remainder of permit term		✓	Ongoing practice.	Ongoing practice.
PE I-C: Community Events	Attend community events such as Butte County and Silver Dollar Fairs, to distribute storm water information.		✓	2 events – Silver Dollar and Butte County Fairs.	3 events per year from 11/06 thru 4/08.
PE I-D: Storm Water Website	Add new features to the website such as annual Storm Water Management Program reports and links to other related sites.		✓	Posted second annual report on website. Added links and features as appropriate.	New features added throughout permit term.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Completed this year	Ongoing Implementation
PE I-E: Media Campaigns	Research partnering and costs sharing opportunities with community groups, businesses, and other agencies & develop a media campaign.		✓	Continued to partner with City of Chico on their program.	Ongoing throughout remainder of permit term.
PE I-E: Media Campaigns	Implement storm water message Public Services Announcements through radio and television media outlets and printed materials.		✓	PSA developed and sent to Clear Channel Radio.	Continued PSA promotion.
PE I-E: Media Campaigns	Mail brochure with storm water message with any appropriate County mailings as appropriate.	✓		To be implemented by 4/07.	Ongoing practice.
PE I-F: Water Wise Pest Control Program	Develop point of purchase brochures to give to the public on pest management and fertilizer application that explain methods that reduce storm water pollution potential.		✓	Completed.	Update as appropriate.
PE I-F: Water Wise Pest Control Program	Distribute and maintain brochures at local nurseries, retail outlets and community events.		✓	Distributed throughout permit term.	Distributed throughout permit term.
PE I-G: Public Opinion Surveys	Develop locally appropriate public opinion survey and determine most effective method of distribution.		✓	Completed in second permit term.	Second survey to be done by 10/07.
PE I-G: Public Opinion Surveys	Distribute survey to determine level of public knowledge on storm water pollution issues to determine baseline for measuring effectiveness of Public Education and Outreach activities when survey is redistributed towards the end of permit term.		✓	First survey results completed 6/05.	Second survey completed by 10/07.
PE II-A: Storm Water Classroom Presentations	Give classroom presentation on storm water issues to grades three through six in primary schools located within the County permit area.	✓		The one school in County permit area did not allow any presentations.	School to be annexed into City of Chico.
PE III-A: County Officials	Issue proclamations to groups, industries, businesses and individuals that have provided outstanding contributions to water pollution prevention.		✓	To be implemented as appropriate.	Ongoing practice.
PE III-B: County Department Partnerships	Maintain opportunities to work with County departments to promote the storm water message by incorporating public awareness and county responsibilities into staff training.		✓	Ongoing practice.	Ongoing practice.
PE III-B: County Department Partnerships	Place an article in the County Voice newsletter twice a year that is distributed monthly to all employees.		✓	Ongoing practice.	Ongoing practice.
PE III-C: Annual Agency and Board of Supervisors Update	Provide copies of the annual Storm Water Management Program report that are submitted to the Regional Water Quality Control Board to all cooperating County departments and the Board of Supervisors.		✓	Done on September 28, 2005.	Annual updates.

## 2. Public Involvement and Participation

<i>BMP</i>	<i>Description</i>	<i>Status</i>					
		<b>Implemented</b>	<b>Not Applicable</b>	<b>Modified<sup>1</sup></b>	<b>Effective</b>	<b>Unknown</b>	<b>Not Effective</b>
PP II-A: Public Meetings	Butte County's Storm Water Management Program has been discussed with the Board of Supervisors in several public meetings on grading issues.	✓					
PP II-A: Public Meetings	Incorporate storm water message and encourage public comment at appropriate public meetings held throughout the permit term.	✓					
PP II-B: Community Waterbody Cleanups	Partner with governmental and citizen's groups, such as school districts, environmental groups and neighborhood associations to encourage local citizens to participate in creek cleanup activities.	✓					
PP II-B: Community Waterbody Cleanups	Develop and maintain an "Adopt a Storm Drain" Program to encourage citizens, schools or community groups to assist in the care of a storm drain in their neighborhood.			✓			

### a. BMPs

#### i. General summary

The Public Participation and Involvement minimum control measure allows the public the opportunity to get involved with the County's Storm Water Management Program. Boards of Supervisor public meetings allow the public an opportunity to voice their concerns about storm water pollution. Butte County participated in several community celebrations and cleanup events during the third year of the permit. The annual Bidwell Park & Creek Cleanup hosted by the Butte Environmental Council eliminated over a ton of trash from Bidwell Park.

#### ii. Status of Measurable Goals

Most of the third year's measurable goals were achieved. The storm drain inlet marking program and the "Adopt-A-Storm Drain" Program were modified but will be fully implemented by the end of the permit term.

#### iii. Appropriateness

The minimum control measures implemented in the third year of the permit term are appropriate to the County's Storm Water Management Program. The first three years BMP's will provide a basis for an effective and measurable program for compliance with the Storm Water Permit in the following years.

#### iv. Effectiveness

The first three years of the permit term have no definitive way to measure the overall effectiveness of all the control measures implemented so far. The community clean up events and recycling programs have resulted in substantial amounts of trash, tires, used oil, oil filters, and debris being removed from areas that could have produced storm water pollution. The initial public opinion survey provided a baseline to measure how subsequent permit year implementation of other measures has been effective.

v. Proposed Modifications

The modifications within the Public Involvement and Participation minimum measure is the delay of implementation of the Adopt-A-Storm Drain Program until later in the permit term and the classroom presentation measure.

- 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.

The community clean up and other community events resulted in substantial amounts of trash, tires, used oil, oil filters, and debris being removed from areas that could have contributed to storm water pollution within the permit area. Butte County’s agricultural oil recovery program received thousands of gallons of oil and numerous filters. The Paradise curbside oil recovery efforts continue to be well received. Also the high school shop best management practices oil recycling program continues to make high school auto shop participants aware of the benefits of recycling automobile oil.

- 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.

During the next reporting cycle the public will continue to have an opportunity to participate at the annual Storm Water Management Program updates for the Board of Supervisors as well as other meetings held by various groups within the permit area, such as environmental group meetings. There are several community clean up events planned by local groups that will provide the public the opportunity to become involved. The chart below outlines the County’s next reporting cycle’s storm water activities that will be implemented. The Ongoing Implementation column describes activities to be implemented throughout the remainder of the permit term.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
PP II-A: Public Meetings	Incorporate storm water message and encourage public comment at appropriate public meetings held throughout the permit term.		✓	Ongoing practice.	Ongoing practice.
PP II-B: Community Waterbody Cleanups	Partner with governmental and citizen’s groups, such as School Districts, environmental groups and neighborhood associations to encourage local citizens to participate in creek cleanup activities. Advertise events as part of media campaign in Public Education and Outreach Minimum Measure.		✓	Partnered on several events through 7/06.	Ongoing practice.
PP II-B: Community Waterbody Cleanups	Develop an “Adopt a Storm Drain” program to encourage citizens, schools or community groups to assist in the care of a storm drain in their neighborhood.	✓		Begin program in fourth year.	Annual contact with participants.

### 3. Illicit Discharge Detection and Elimination

<i>BMP</i>	<i>Description</i>	<i>Status</i>					
		<b>Implemented</b>	<b>Not Applicable</b>	<b>Modified<sup>1</sup></b>	<b>Effective</b>	<b>Unknown</b>	<b>Not Effective</b>
IDE I-A: Create Ordinance	Develop storm water ordinance by 4/05 to provide the legal authority for regulating illegal discharges and provide for enforcement activities.			✓			
IDE II-A: Identify Problem Areas	Develop and prioritize a list of outfalls based on the likelihood of illicit discharges.	✓					
IDE II-B: Find the Source	Once an illicit discharge occurs, determine source of discharge by using investigative methods	✓					
IDE II-C: Remove/Correct Illicit Connection or Discharge	Offending discharger will be required to correct problem. Ordinance passage will identify enforcement procedures.	✓					
IDE III-A: Strategy	Coordinate with the Public Education and Outreach Element and with other agencies to educate the public on proper waste disposal alternatives and the elimination of illicit discharges.	✓					
IDE III-B: Storm Drain Stenciling	In conjunction with the Public Education and Outreach drain marking program, develop and maintain a volunteer storm drain marking program and new development inlet marking program.	✓					
IDE III-C: Hazardous Waste Collection	In conjunction with the County's Solid Waste Division, continue to promote, with a storm water message, the availability of the County's household hazardous waste collection facility.	✓					
IDE III-D: Waste Oil Collection	In conjunction with the County's Solid Waste Division, continue to promote, with a storm water message, the availability of the County's used oil collection facilities.	✓					
IDE IV-A: Develop Storm Drain System Map	Develop and continually update the County's storm drain system map to show locations of outfalls, new drains inlets, tributary areas, and receiving waters. This map will be used for the storm drain inlet marking program, illicit discharge, construction and the (municipal) county operations elements of the County's Storm Water Management Program.	✓					

a. BMPs

i. General summary

The Illicit Discharge Detection and Elimination minimum measure requires some activities that have been in place prior to the start of the Storm Water Permit term. Hazardous waste spills and other spills throughout the county have been responded to and cleaned up and responsible parties were identified. A committee was formed and has met several times to discuss the development an ordinance addressing illicit discharges and will outline specific responses and enforcement actions. The county's used oil recycling and household hazardous waste programs continue and the new e-waste disposal program will help to alleviate potential sources of storm water pollution. The County also passed an illegal dumping ordinance that will help keep illegal dumping activities especially near waterways clear of trash. Continued refinement of the permit area's storm drain system map will be a valuable tool in responding to illicit discharges.

ii. Status of Measurable Goals

100% of the third year's measurable goals have been achieved except for finalizing the storm water ordinance language. The ordinance language will be completed in the fourth year.

iii. Appropriateness

The minimum control measures implemented in the third year of the permit term are a combination of existing activities and several new ones. The County's Storm Water Management Program's development of an illicit discharge ordinance will be a tool for making the public aware of the penalties for storm water pollution from negligent or purposeful acts. The permit's BMPs will provide a basis for an effective and measurable program for compliance with the Storm Water Permit in the following years.

iv. Effectiveness

The used oil recycling and household hazardous waste programs have seen increased participation in these programs due to the extensive public education activities within those programs. New programs, such as the e-waste program and the illegal dumping ordinance code enforcement will further reduce potential storm water pollution. In subsequent permit years, with the increased emphasis on public education on reducing storm water pollution, measures will be implemented to allow for additional measurable documentation of their effectiveness.

v. Proposed Modifications

The only modifications needed is delaying the finalization of the language of the storm water ordinance and establishing a reporting hotline to the fourth year of the 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.

There are 13 locations within the Chico area that residents can bring their used motor oil to for recycling. There is a location within the permit area where household hazardous waste materials can be taken to be disposed of properly. Butte County's agricultural oil recovery program received thousands of gallons of oil and several drum filters. The Paradise curbside oil recovery effort continues to be well received. Also the high school shop best management practices oil recycling program continues to make high school auto shop participants aware of the benefits of recycling automobile oil. The new e-waste recycling program at the Neal Road Sanitary Landfill helps eliminate potential pollution from old computers, television and cell phones. The illegal dumping ordinance also helps reduce storm water pollution.

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 following chart outlines the County's next reporting cycle's storm water activities that will be implemented within the Illicit Discharge Detection and Elimination measure. The Ongoing Implementation column describes activities to be implemented throughout the remainder of the permit term.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
IDE I-A: Create Ordinance	Develop storm water ordinance to provide the legal authority for regulating illegal discharges and provide for enforcement activities.	✓		Ordinance language completed in the fourth year of the permit.	Ordinance passage and enforcement by 12/31/07.
IDE I-B: Agency Coordination	Develop a system to share information and assistance to facilitate inclusion of the Storm Water Ordinance with enforcement activities among various departments and agencies.		✓		Implementation to begin 1/08.
IDE II-A: Identify Problem Areas	Develop a Storm Water Hotline for citizen's to report observed illicit discharge activities.	✓		To be completed by 12/31/07.	Ongoing procedure.
IDE II-B: Find the Source	Once an illicit discharge occurs, determine source of discharge by using investigative methods		✓	Ongoing procedures.	Ongoing procedures.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
IDE II-C: Remove/Correct Illicit Connection or Discharge	Offending discharger will be required to correct problem. Ordinance passage will identify enforcement procedures.	✓			Implement enforcement procedures beginning 1/08.
IDE III-A: Strategy	Upon development and passage of a storm water ordinance that deals with illicit discharges, develop guidance and enforcement guidelines for departments involved in illicit discharge elimination procedures.	✓			Guidelines developed by 7/07. Implement enforcement procedures beginning 1/08.
IDE III-C: Hazardous Waste Collection	In conjunction with the County's Solid Waste Division, continue to promote, with a storm water message, the availability of the County's household hazardous waste collection facility.		✓	Ongoing procedures.	Ongoing procedures.
IDE III-D: Waste Oil Collection	In conjunction with the County's Solid Waste Division, continue to promote, with a storm water message, the availability of the County's used oil collection facility.		✓	Ongoing procedures.	Ongoing procedures.
IDE IV-A: Develop Storm Drain System Map	Develop and continually update the County's storm drain system map to show locations of outfalls, new drains inlets, tributary areas, and receiving waters. This map will be used for the storm drain inlet marking program, illicit discharge, construction and the (municipal) county operations elements of the County's Storm Water Management Program.		✓	Drain inlet marking of the storm drains in permit area began.	Continued marking of storm drains until completed.

#### 4. Construction Site Storm Water Control

<i>BMP</i>	<i>Description</i>	<i>Status</i>					
		<b>Implemented</b>	<b>Not Applicable</b>	<b>Modified<sup>1</sup></b>	<b>Effective</b>	<b>Unknown</b>	<b>Not Effective</b>
CE I-A: Developer Outreach	Educate and provide guidance to the construction and developer communities on storm water pollution control construction activities. Outreach may include brochures, workshops, technical papers, etc.	✓					
CE I-B: County Staff Outreach	Educate and provide guidance to County staff on storm water pollution control construction activities. Outreach may include staff meetings, training sessions and seminars.	✓					
CE II-A: Update Ordinance	Develop construction ordinance incorporating storm water pollution controls components for construction activities.	✓					
CE II-A: Update Ordinance	Ordinance in place.			✓			
CE II-B: Update Development Standards	Develop erosion, sediment, and pollution control standards and specifications to provide construction guidelines for reduction in construction activity storm water pollution.			✓			
CE III-A: Plan Review and Approval	Ensure projects adequately address storm water pollution reduction best management practices in the plan review process. Information on the NPDES General Construction Storm Water Permit and compliance requirements are discussed at the time a construction permit is requested.	✓					
CE III-B: Inspection	Inspection and enforcement staff will be trained to ensure that pollution control measures are implemented, properly installed and maintained during construction. SWPPPs will be monitored for compliance.	✓					
CE III-C: Record Keeping	Develop a database for tracking construction activity and BMP usage to measure effectiveness of different designs and practices in various construction projects. BMPs that are ineffective will be discontinued and effective BMPs will be recommended.	✓					

a. BMPs

i. General summary

The third year of the Construction Minimum Measure continues with developer and staff related educational processes to stress the importance of reducing storm water pollution potential with sound construction related BMPs during the construction process. A second well attended workshop on storm water best management practices was held in conjunction with the City of Chico on October 26, 2005. The process of creating and passing ordinances that deal with construction storm water pollution reduction, erosion and sediment control, and grading is ongoing. Research was gathered on other community's ordinances and a committee has been formed to get an ordinance in place by January 2008. Staff training on storm water pollution control measures and database development for tracking construction activity and BMP usage is ongoing. For every building permit application submitted a signed statement from the owner or contractor agent stating that their project disturbs either less than one acre of land or more than an acre of land must be included in the file before permit issuance. If a project meets the one acre or more threshold, information on the State Construction Storm Water Permit Program is given to the permit applicant for their use in compliance with the Program.

ii. Status of Measurable Goals

Most of the third year's measurable goals have been achieved.

iii. **Appropriateness**

The third year's construction control minimum measures have been appropriate in beginning to reach the county's goal of being fully implemented by 2008. The process of passing an ordinance is a time consuming process as public acceptance is needed for passage. The requirement of a signed compliance form on each project educates the development community on storm water pollution reduction requirements.

iv. **Effectiveness**

Measured effectiveness through the third year of the county's permit term is difficult to ascertain. The next 2 years of the permit term will offer increased opportunities to more readily measure the construction control measure's effectiveness in reducing storm water pollution.

v. **Proposed Modifications**

Modifications for the construction minimum measures currently outlined in the Butte County Storm Water Management Program involve pushing back the dates to finalize a construction storm water ordinance, pass the revised development standards and setup the database for BMPs.

- 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.

Not applicable this permit year.

- 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 following chart outlines the County's next reporting cycle's storm water activities that will be implemented within the construction control measure. The Ongoing Implementation column describes activities to be implemented throughout the remainder of the permit term.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
CE I-A: Developer Outreach	Educate and provide guidance to the construction and developer communities on storm water pollution control construction activities. Outreach may include brochures, workshops, technical papers, etc.		✓	Brochures on the Construction Storm Water Permit and storm water pollution reduction activities are made available throughout the year.	Ongoing procedures of making educational materials available.
CE I-B: County Staff Outreach	Educate and provide guidance to County staff on storm water pollution control construction activities. Outreach may include staff meetings, training sessions and seminars.		✓	Stormwater BMP Workshop held with the City of Chico.	Minimum of one training session each year, more if opportunities arise.
CE II-A: Update Ordinance	Develop construction ordinance incorporating storm water pollution controls components for construction activities.		✓	Draft ordinance language being developed.	Revise as appropriate.
CE II-A: Update Ordinance	Ordinance in place.	✓		Finalize language to be included in the ordinance.	Ordinance in place and enforcement begins by 1/08.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
CE II-B: Update Development Standards	Develop erosion, sediment, and pollution control standards and specifications to provide construction guidelines for reduction in construction activity storm water pollution.	✓		Committee established to finalize language on Development Standards.	Finalized by 1/08.
CE III-A: Plan Review and Approval	Ensure projects adequately address storm water pollution reduction best management practices in the plan review process. Information on the NPDES General Construction Storm Water Permit and compliance requirements are discussed at the time a construction permit is requested.		✓	Continue to provide information on Construction Storm Water Permit rules.	Ongoing procedure.
CE III-B: Inspection	Inspection and enforcement staff will be trained to ensure that pollution control measures are implemented, properly installed and maintained during construction. SWPPPs will be monitored for compliance.		✓	Additional training with ordinance development.	Ongoing training as appropriate.
CE III-C: Record Keeping	Develop a database for tracking construction activity and BMP usage to measure effectiveness of different designs and practices in various construction projects. BMPs that are ineffective will be discontinued and effective BMPs will be recommended.	✓		Construction activity and BMP tracking database usage begins 1/08.	Ongoing procedure.

## 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.

<i><b>BMP</b></i>	<i><b>Description</b></i>	<i><b>Status</b></i>					
		<b>Implemented</b>	<b>Not Applicable</b>	<b>Modified<sup>1</sup></b>	<b>Effective</b>	<b>Unknown</b>	<b>Not Effective</b>
<b>Post-Construction</b>							
PC I-A: Regulatory Mechanism	Establish an Ordinance or other regulatory mechanism requiring the implementation of post-construction runoff controls.			✓			
PC I-A: Regulatory Mechanism	Ordinance in place.			✓			
PC I-B: Review and Approval Procedures	Develop and implement a process to incorporate adequate structural and nonstructural BMPs in development projects to address post-construction storm water management issues to reduce storm water pollution after construction is completed.	✓					
PC II-A: Non-Structural BMP Practices	These practices are intended to prevent or control the sources of pollutants. They include education on proper waste disposal and use of pesticides, herbicides and fertilizers, as well as good construction activity housekeeping. These practices will also be part of the Public Education and Outreach and Construction Developer Outreach elements.	✓					
PC II-B: Structural BMP Practices	These practices are intended to reduce the amount of pollutants that enter state waters. They include storage, infiltration, and vegetative practices for post-construction pollution control.	✓					
PC II-C: Regional BMP Practices	These practices are implemented downstream of a large drainage area. The only regional BMP in the Butte County permit area is within the City of Chico and will be addressed in their SWMP.	✓					
PC III-A: Compliance During Construction	Ensure projects adequately address storm water pollution reduction best management practices in the plan review process. Information on the NPDES General Construction Storm Water Permit and compliance requirements are discussed at the time a construction permit is requested.	✓					
PC IV-A: Long-Term Operation & Maintenance of Post Construction BMPs	Ensure projects adequately address the long-term operation and maintenance of post-construction BMPs. Condition recorded maps to make legal owner responsible for maintaining the post-construction BMPs.	✓					
PC V-A: Long-Term Documentation & Monitoring of BMPs	Develop a database of all new post-construction BMPs to ensure compliance of the requirements for maintaining post-construction BMPs.			✓			
PC V-A: Long-Term Documentation & Monitoring of BMPs	Develop an inspection and enforcement program, in conjunction with the Storm Water Ordinances, to ensure BMPs are maintained in good working order.			✓			
<b>New Development and Redevelopment</b>							
NDE I-A: Developer Assistance	Educate and provide outreach to the construction and developer communities on regional storm water pollution control construction activities. Outreach may include brochures, workshops, technical papers, etc.	✓					
NDE I-B: County Staff Assistance	Provide training and guidance to County staff on regional storm water pollution control construction activities. Outreach may include staff meetings, training sessions and seminars.	✓					

<i>BMP</i>	<i>Description</i>	<i>Status</i>					
		<i>Implemented</i>	<i>Not Applicable</i>	<i>Modified<sup>1</sup></i>	<i>Effective</i>	<i>Unknown</i>	<i>Not Effective</i>
NDE II-A: Update Standards	Develop and adopt development standards for erosion, sediment, and pollution control measures and regional control specifications to provide construction guidelines for reduction in construction activity storm water pollution.			✓			
NDE II-A: Update Standards	Update and revise design standards as appropriate.	✓					
NDE II-B: BMP Research	Identify and evaluate BMP performance and actively seek improved or more efficient BMPs as research or observed effectiveness is demonstrated.	✓					
NDE III-A: Development Review Process	Condition projects to incorporate minimum design standards and comply with post-construction requirements during the entitlement process. Ensure projects incorporate regional control measures where appropriate.	✓					
NDE III-B: Maintenance Protocols	Develop and implement maintenance protocols for watershed control measures.	✓					
NDE III-C: Record Keeping	Develop and maintain record keeping and data management procedures for tracking regional control measures and their maintenance.	✓					
NDE IV-A: Development Review Process	Condition projects to comply with post-construction requirements of incorporating and constructing on-site control measures that meet design standards.	✓					
NDE IV-B: Maintenance Protocols	Develop and implement maintenance and inspection protocols for on-site control measures.			✓			
NDE IV-C: Record Keeping	Develop and maintain record keeping and data management procedures for tracking on-site control measures and their maintenance.			✓			

a. BMPs

i. General summary

Butte County is not subject to Attachment 4 (Supplemental Provisions) of the General Permit. The Post Construction BMPs will be an integral part of the construction storm water ordinance being developed for the county and will be in place and enforced beginning 1/08. The third year of the post construction minimum measure control involved using information gathered in the first two years for developing an ordinance that deals with construction and post construction permanent BMPs and the long term maintenance responsibilities to ensure their continued effectiveness.

ii. Status of Measurable Goals

Most of the third year's measurable goals have been achieved.

iii. Appropriateness

The BMPs used in the Post Construction minimum measure are appropriate to Butte County and will help reduce storm water pollution to the maximum extent practicable once they are in place and being enforced through the adoption of a local ordinance.

iv. Effectiveness

The effectiveness of the post construction minimum measure can be more accurately measured after the appropriate ordinances have been developed. This will give the opportunity to direct appropriate post construction measures on development projects and to monitor the effectiveness on the BMPs used.

v. Proposed Modifications

The only modifications for the construction minimum measures currently outlined in the Butte County Storm Water Management Program involve pushing back the dates to finalize a construction storm water ordinance, pass the revised development standards and setup the database for BMPs.

- 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.

Not applicable this permit year.

- 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 following chart outlines the County's next reporting cycle's storm water activities that will be implemented within the Post Construction control measure. The Ongoing Implementation column describes activities to be implemented throughout the remainder of the permit term.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
<b>Post-Construction</b>					
PC I-A: Regulatory Mechanism	Establish an Ordinance or other regulatory mechanism requiring the implementation of post-construction runoff controls.	✓		Committee formed and meetings held to develop draft ordinance language.	Revisions and/or additions as appropriate.
PC I-A: Regulatory Mechanism	Ordinance in place.	✓		Passage of an ordinance by 1/08.	Enforcement of ordinance will be ongoing.
PC I-B: Review and Approval Procedures	Develop and implement a process to incorporate adequate structural and nonstructural BMPs in development projects to address post-construction storm water management issues to reduce storm water pollution after construction is completed.		✓	Development of post construction storm water controls by 1/08.	Revisions and/or additions as appropriate.
PC II-A: Non-Structural BMP Practices	These practices are intended to prevent or control the sources of pollutants. They include education on proper waste disposal and use of pesticides, herbicides and fertilizers, as well as good construction activity housekeeping. These practices will also be part of the Public Education and Outreach and Construction Developer Outreach elements.		✓	Continued usage of information on non-structural BMP practices throughout the permit term.	Revisions and/or additions as appropriate.
PC II-B: Structural BMP Practices	These practices are intended to reduce the amount of pollutants that enter state waters. They include storage, infiltration, and vegetative practices for post-construction pollution control.		✓	Materials for proper structural BMP usage available since 7/04.	Continued usage of information on structural BMP practices throughout the permit term.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
PC II-C: Regional BMP Practices	These practices are implemented downstream of a large drainage area. The only regional BMP in the Butte County permit area is within the City of Chico and will be addressed in their SWMP.		✓	Consideration of regional BMPs whenever appropriate.	Consideration of regional BMPs whenever appropriate.
PC III-A: Compliance During Construction	Ensure projects adequately address storm water pollution reduction best management practices in the plan review process. Information on the NPDES General Construction Storm Water Permit and compliance requirements are discussed at the time a construction permit is requested.		✓	Ongoing procedures.	Enforcement of proper BMP usage post ordinance passage in 1/08.
PC IV-A: Long-Term Operation & Maintenance of Post Construction BMPs	Ensure projects adequately address the long-term operation and maintenance of post-construction BMPs. Condition recorded maps to make legal owner responsible for maintaining the post-construction BMPs.		✓	Ongoing procedures.	Enforcement of BMP operation and maintenance post ordinance passage 1/08.
PC V-A: Long-Term Documentation & Monitoring of BMPs	Develop a database of all new post-construction BMPs to ensure compliance of the requirements for maintaining post-construction BMPs.	✓		Construction activity and BMP tracking database usage begins 1/08.	Annual mailing to ensure proper BMP maintenance begins 1/08.
PC V-A: Long-Term Documentation & Monitoring of BMPs	Develop an inspection and enforcement program, in conjunction with the Storm Water Ordinances, to ensure BMPs are maintained in good working order.		✓	Being developed during ordinance creation.	Enforcement program begins after ordinance passage.
<b>New Development and Redevelopment</b>					
NDE I-A: Developer Assistance	Educate and provide outreach to the construction and developer communities on regional storm water pollution control construction activities. Outreach may include brochures, workshops, technical papers, etc.		✓	Informational material on the NPDES Phase II requirements made available at the Public Works counter	Continued availability of materials on Storm Water Construction Permit requirements made available throughout permit term.
NDE I-B: County Staff Assistance	Provide training and guidance to County staff on regional storm water pollution control construction activities. Outreach may include staff meetings, training sessions and seminars.		✓	Training on regional concerns to be utilized by staff as opportunities arise.	Training on regional concerns to be utilized by staff as opportunities arise.
NDE II-A: Update Standards	Develop and adopt development standards for erosion, sediment, and pollution control measures and regional control specifications to provide construction guidelines for reduction in construction activity storm water pollution.	✓		Committee established to finalize language on Development Standards.	To be finalized by 1/08.
NDE II-A: Update Standards	Update and revise design standards as appropriate.		✓		Ongoing procedure throughout permit period.
NDE II-B: BMP Research	Identify and evaluate BMP performance and actively seek improved or more efficient BMPs as research or observed effectiveness is demonstrated.		✓	TAC committee membership with City of Chico BMP effectiveness study	Ongoing TAC participation.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
NDE III-A: Development Review Process	Condition projects to incorporate minimum design standards and comply with post-construction requirements during the entitlement process. Ensure projects incorporate regional control measures where appropriate.		✓	In process during the development of ordinance language.	To be implemented following ordinance adoption in 1/08.
NDE III-B: Maintenance Protocols	Develop and implement maintenance protocols for watershed control measures.	✓		Protocols developed by 1/08.	Implementation of protocols in 1/08.
NDE III-C: Record Keeping	Develop and maintain record keeping and data management procedures for tracking regional control measures and their maintenance.	✓		Maintain record keeping and data management procedures.	Ongoing procedures.
NDE IV-A: Development Review Process	Condition projects to comply with post-construction requirements of incorporating and constructing on-site control measures that meet design standards.		✓	In place by 1/08.	Ongoing process after ordinance passage.
NDE IV-B: Maintenance Protocols	Develop and implement maintenance and inspection protocols for on-site control measures.		✓	Guidelines developed by 1/08.	Ongoing process after guidelines developed.
NDE IV-C: Record Keeping	Develop and maintain record keeping and data management procedures for tracking on-site control measures and their maintenance.	✓		In place by 1/08.	Ongoing procedures.

## 6. Pollution Prevention and Good Housekeeping for Municipal Operations

<i>BMP</i>	<i>Description</i>	<i>Status</i>					
		<b>Implemented</b>	<b>Not Applicable</b>	<b>Modified<sup>1</sup></b>	<b>Effective</b>	<b>Unknown</b>	<b>Not Effective</b>
(M)CE I-A: County Facility SWPPPs	Conduct inspections of County facilities within permit area to determine if work activities have the potential for storm water pollution.	✓					
(M)CE I-A: County Facility SWPPPs	Prepare SWPPPs for County facilities that have storm water pollution potential.	✓					
(M)CE I-B: County Activity Training	Provide training for County departmental personnel on how various departments within the County may contribute to storm water pollution and what can be done to reduce the potential of storm water pollution.	✓					
(M)CE I-C: New Facility BMPs	Review design plans for proposed new County facilities and incorporate pollutant control measures in the design as appropriate.	✓					
(M)CE I-D: Non-Storm Water Discharges	Any discharges of non-storm water from County facilities will be identified and control measures will be implemented to eliminate or reduce pollutants. If necessary, the County will obtain RWQCB approval for authorized discharges.	✓					
(M)CE II-A: Sweeping	Assess the feasibility of implementing a sweeping program. The County's road areas are mostly without curb and gutter so a sweeping will not be implemented.	✓					
(M)CE II-B: Drainage System Maintenance	The County has a current program to clean out all storm drain inlets prior to the rain season each year. The frequency of inlet cleaning of some inlets may be modified as the adopt-a-drain and illicit discharge hotline programs are in place and the public makes the County aware of problem areas. Documentation of maintenance activities will be developed and included in the annual reports to the RWQCB.	✓					
(M)CE II-C: Structural Control Operation and Maintenance	The County currently maintains structural control devices in settling and treatment facilities at detention basins, along with low-flow control measures to ensure the effective removal of pollutants. Documentation of maintenance activities will be developed and included in the annual reports to the RWQCB.	✓					
(M)CE II-D: Waste Recycling	The County currently has an ongoing public waste recycling, used oil recycling and household hazardous waste collection/disposal programs. These programs will include elements of the storm water pollution message. Documentation of activities will be developed and included in the annual reports to the RWQCB.	✓					
(M)CE III-A: Employee Training Program	Conduct training sessions for County employees on their specific departmental activities that can reduce storm water pollution from County operations.	✓					
(M)CE III-B: Employee Feedback Program	Develop a program to gather information on County activities and suggestions for improvement from County employees.	✓					

a. **BMPs**

i. **General summary**

The Pollution Prevention/Good Housekeeping for Municipal (County Operations), referred to as the (Municipal) County Element minimum measures, requires the County to evaluate the various departments to determine the potential for storm water pollution and to modify the work site or use BMPs to reduce storm water pollution. Upon inspection of county facilities within the permit area it was determined there was no need to develop a storm water pollution prevention plan for any County Departments within the permit area. This measure ensures the County does not contribute to storm water pollution by employing effective BMPs. The County's Solid Waste Department oversees the recycling efforts within the County. The used oil, household hazardous waste and e-waste programs will contain a storm water pollution reduction message. County employees will receive information and training in ways to reduce storm water pollution in the performance of their job. County road crews are responsible for drain inlet cleaning and structural control maintenance to ensure that they work properly.

ii. **Status of Measurable Goals**

100% of the third year's measurable goals have been achieved.

iii. **Appropriateness**

The current control measures being implemented for County operations appear appropriate in reducing potential storm water pollution. The County, through its employees and operational work methods, will strive to be model for the community in proper storm water pollution reduction activities.

iv. **Effectiveness**

The third year of the County's 5 year permit term does not have enough measurable elements to quantify its effectiveness. In the following years, procedures will be in place to better quantify the effectiveness of the BMPs used.

v. **Proposed Modifications**

There are no modifications proposed for this measure at this time.

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 is no monitoring data to analyze and report on for the second year within this minimum measure.

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.**

During the last two years of the County's Storm Water Management Program training of County employees will continue to focus on storm water pollution reduction practices. Continued maintenance of storm drainage systems will be documented and tracked. The County's recycling programs will emphasize storm water pollution reduction methods and employee feedback processes will be in place to better quantify the measurable results of this minimum control measure.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
(M)CE I-A: County Facility SWPPPs	Conduct inspections of County facilities within permit area to determine if work activities have the potential for storm water pollution.		✓	Done in second permit year.	Revisions made if operations change.
(M)CE I-A: County Facility SWPPPs	Prepare SWPPPs for County facilities that have storm water pollution potential.		✓	None needed.	Revisions made if operations change
(M)CE I-B: County Activity Training	Provide training for County departmental personnel on how various departments within the County may contribute to storm water pollution and what can be done to reduce the potential of storm water pollution.		✓	Continue training sessions for County personnel.	Continued training throughout permit term.
(M)CE I-C: New Facility BMPs	Review design plans for proposed new County facilities and incorporate pollutant control measures in the design as appropriate.		✓	Ongoing requirement for new County buildings.	Ongoing requirement for new County buildings throughout permit term.
(M)CE I-D: Non-Storm Water Discharges	Any discharges of non-storm water from County facilities will be identified and control measures will be implemented to eliminate or reduce pollutants. If necessary, the County will obtain RWQCB approval for authorized discharges.		✓	Discharges are not anticipated but the County will obtain RWQCB prior to a discharge.	Discharges are not anticipated but the County will obtain RWQCB prior to a discharge.
(M)CE II-A: Sweeping	Assess the feasibility of implementing a sweeping program. The County's road areas are mostly without curb and gutter so sweeping in not feasible.		✓	Completed.	Re-evaluate sweeping program if design and construction changes make it appropriate.
(M)CE II-B: Drainage System Maintenance	The County has a current program to clean out all storm drain inlets prior to the rain season each year. The frequency of inlet cleaning of some inlets may be modified as the adopt-a-drain and illicit discharge hotline programs are in place and the public makes the County aware of problem areas. Documentation of maintenance activities will be developed and included in the annual reports to the RWQCB.		✓	Continue program to clean out all storm drain inlets prior to the rain season each year.	Continue program to clean out all storm drain inlets prior to the rain season each year. Track inlets cleaned on database.
(M)CE II-C: Structural Control Operation and Maintenance	The County currently maintains structural control devices in settling and treatment facilities at detention basins, along with low-flow control measures to ensure the effective removal of pollutants. Documentation of maintenance activities will be developed and included in the annual reports to the RWQCB.		✓	Continue program to maintain structural controls throughout the year.	Continue program to maintain structural controls throughout the year.
(M)CE II-D: Waste Recycling	The County currently has an ongoing public waste recycling, used oil recycling and household hazardous waste collection/disposal programs. These programs will include elements of the storm water pollution message. Documentation of activities will be developed and included in the annual reports to the RWQCB.		✓	Continue ongoing public waste recycling, used oil recycling and household hazardous waste collection / disposal programs	Continue ongoing public waste recycling, used oil recycling and household hazardous waste collection / disposal programs
(M)CE III-A: Employee Training Program	Conduct training sessions for County employees on their specific departmental activities that can reduce storm water pollution from County operations.		✓	Continue training.	Continue training
(M)CE III-B: Employee Feedback Program	Develop a program to gather information on County activities and suggestions for improvement from County employees.		✓	Implementation of feedback program.	Ongoing procedure.

**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

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Mike Crump, Director of Butte County Public Works

**Attachments**

**Butte County Storm Water Management Program**

**NPDES Phase II Annual Report – Third Permit Year**

**September 15, 2006**

## Article for the next issue of “The County Voice”

Name: Tom Blixt, Administrative Analyst

Department: Public Works, Land Development – Storm Water Management Program

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Article:

Butte County's first Public Opinion Survey on Storm Water Management issues was mailed out to 210 County property owners in June 2005. A total of 57 of the 210 surveys were returned, representing a 27 percent return rate. The survey recipients were selected using Geographical Information System (GIS) software to randomly select county parcel owners within the National Pollutant Discharge Elimination System (NPDES) Phase II permit area which is within the Chico Urbanized Area. The 2 page survey contained 30 questions and 8 demographic requests for information about the survey recipient. Some of the survey results are highlighted below:

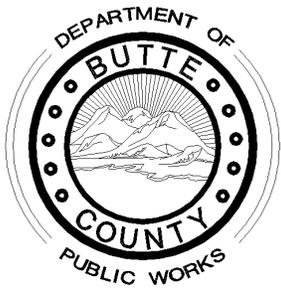
- Urban growth was listed as the most serious environmental issue (32%), then water pollution (21%), followed by air pollution (16%)
- 74% of those surveyed knew there is a creek or other water body near their home
- Of those 74% that knew there is a creek or other water body near their home, 55% believed the water was somewhat clean, 24% thought the water was somewhat dirty and 17% thought the water was very clean
- Of those that responded that they had seen water in the gutters or storm drains during dry weather periods, 82% said it was from over-watering of a lawn, 27% said it was from cleaning driveways or sidewalks with a hose and 18% said it was from car washing activities
- 74% of those surveyed had used a pesticide or weed killer in the past year. Of those 74% - 58% said they had nothing left to dispose of when they were done using it, 16% said they stored it for future use, and 23% stated they took left off material to a household hazardous waste collection center for disposal
- Of the 42% of those surveyed that had a pet at home that was taken for walks, 63% stated they bagged and put their pet waste into the trash while 38% stated they would just leave their pet waste were their pet left it.
- 84% stated they did not change their own vehicle's oil at home in the last year. Of the 16% that did change their own oil, 100% responded that they took their old used oil to a household waste collection event/center curbside collection location
- Of the respondents that stated they own a car, truck, boat or trailer, 67% stated they wash it in the driveway, 22% used a car wash, 5% washed it in the street, and 4% washed it on the lawn
- Approximately one half of those that replied to the survey stated they knew they had storm drains in their neighborhood (49%)
- 30% of respondents stated their storm drainage system worked very well, 51% stated it worked somewhat well, 12% stated it doesn't work well at all and 7% did not answer
- When asked to respond to the following statement – Our communities storm drain and sewer systems share the same underground pipe system – 53% did not know if they did or not, 35% disagreed with the statement and 11% agreed

- When asked to respond to the following statement – Water and other substances that flow through the storm drains go to a treatment plant to be processed to remove pollutants – 49% stated they did not know, 37% disagreed with the statement and 11% agreed
- When asked if they had heard or seen any storm water pollution related messages, 77% responded that they had not, 14% did not know, 7% stated they had and 2% did not answer

In conclusion, over 90% of those surveyed had not heard or did not know if they had heard any storm water pollution related messages within the last year. Roughly 50 percent of those that responded to the survey stated they would be willing to pay a small amount of additional property taxes to ensure water quality. When asked if the storm drains and sewer systems share the same underground pipes, 64% believed that they did or that they did not know if they did or not, only 35% knew the storm drains and sewer systems did not share the same underground pipes. Over 60% of those that responded believed storm water was processed at a treatment plant to remove pollutants before entering a waterway. Nearly 75% of those surveyed have used pesticides and weed killers on their property in the last year and those users either use up all the chemicals when they use, it store it for future use, or take it to a household hazardous waste collection center. Three out of four survey respondents knew that there is a creek, stream, or other water body near their home. Urban growth was listed as the most serious environmental issue, with water pollution second and air pollution third.

The Butte County Storm Water Management Program will use these survey results to assess issues of storm water pollution reduction by developing public education activities. Public education activities will include storm drain inlet marking, public service announcements and other media messages on storm water pollution. Butte County will partner with the City of Chico in providing public education and outreach activities on storm water pollution.

For more information on Butte County's Storm Water Management Program you can view the County's website at <http://www.buttecounty.net/publicworks/stormwater.html>. or by sending an e-mail to Tom Blixt at [stormwater@buttecounty.net](mailto:stormwater@buttecounty.net).



# Department of Public Works

## County of Butte

J. Michael Crump, *Director*

LAND DEVELOPMENT DIVISION  
Storm Water Management Program  
7 County Center Drive  
Oroville, CA 95965  
(530) 538-7266  
(FAX) 538-7171

September 23, 2005

Ken Glaziner  
Chico Carpet Cleaning  
2795 Esplanade  
Chico, CA 95973

Dear Mr. Glaziner;

Thank you for your response for participation in the Butte County Clean Water Business Partner Program. Your commitment to using proper Best Management Practices to avoid your carpet cleaning wash and rinse water from entering the storm drainage system is greatly appreciated.

***Where can carpet cleaners discharge their wastewater? (Proper BMPs)***

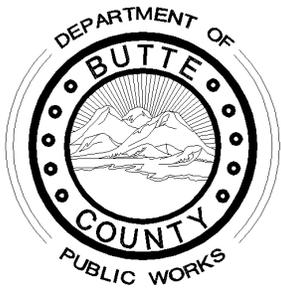
- At a sanitary sewer treatment plant or other sanitary sewer inlet.
- Into sinks, showers, bath tubs, toilets, and floor drains. (When discharging wastewater into the residential sewer systems, a mesh strainer should be used to prevent debris from clogging drains)
- If sewer inlets are not readily available, with property owner permission, onto lawns or other landscaped areas as long as there is no run-off into a gutter or storm drain.

Protecting the local creeks and streams is a requirement of Butte County's Storm Water Management Program. Your business name will soon appear on the Butte County Storm Water Management webpage as a participant in the Clean Water Business Partner Program. As our Program develops, additional Storm Water Management Program educational outreach materials will be developed and distributed that will include your business named as a Clean Water Business Partner participant.

Feel free to contact me if you have any questions.

Sincerely,

Thomas Blixt  
Administrative Analyst  
Butte County Public Works  
Storm Water Management  
<http://www.buttecounty.net/publicworks/stormwater.html>



# Department of Public Works

## County of Butte

J. Michael Crump, *Director*

LAND DEVELOPMENT DIVISION  
Storm Water Management Program  
7 County Center Drive  
Oroville, CA 95965  
(530) 538-7266  
(FAX) 538-7171

September 23, 2005

Stephen Raley  
ServiceMaster Select  
2545 Zanella Way, #C  
Chico, CA 95928

Dear Mr. Raley;

Thank you for your response for participation in the Butte County Clean Water Business Partner Program. Your commitment to using proper Best Management Practices to avoid your carpet cleaning wash and rinse water from entering the storm drainage system is greatly appreciated.

***Where can carpet cleaners discharge their wastewater? (Proper BMPs)***

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Sincerely,

Thomas Blixt  
Administrative Analyst  
Butte County Public Works  
Storm Water Management

<http://www.buttecounty.net/publicworks/stormwater.html>



# INTER-DEPARTMENTAL MEMORANDUM

PUBLIC WORKS DEPARTMENT

Land Development Department

Storm Water Management Program

**TO:** PAUL MCINTOSH, CHIEF ADMINISTRATIVE OFFICER - ADMINISTRATION

**FROM:** TOM BLIXT, ANALYST – LAND DEVELOPMENT DEPARTMENT

**SUBJECT:** NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
STORM WATER MANAGEMENT PROGRAM, SECOND ANNUAL REPORT  
FOR THE COUNTY OF BUTTE

**DATE:** SEPTEMBER 28, 2005

Attached is a copy of the recently submitted second annual report on Butte County's Storm Water Management Program for your file and access by the Members of the Board.



## Public Service Announcement for CLEARCHANNEL Radio

Storm Water Management

### What you can do to help prevent Storm Water Pollution

- Keep litter, cigarette butts, pet wastes, leaves and debris out of street gutters and storm drains – these outlets drain directly into our local creeks and streams.
- Wash your car on the grass so soapy water soaks into the ground or use a commercial car wash that recycles their water.
- Apply lawn and garden chemicals sparingly and according to directions.
- Dispose of used oil, antifreeze, paints and other household chemicals properly, not into household drains or storm drains.
- Don't hose down driveways and sidewalks. Use a broom and dispose of trash properly.
- Recycle all used motor oil by taking it to a local recycling center.
- Pick up after your pets and dispose of their wastes properly.
- Pick up lawn and grass clippings; do not allow them to wash into roadside drainage structures.
- Do not over water your lawn after applying fertilizer.
- Find out what your community is doing to protect your water sources and get involved. Work with schools, civic groups, and others to help reduce Storm Water Pollution.

For more information, contact the Butte County Department of Public Works. Together, we can all make a difference.

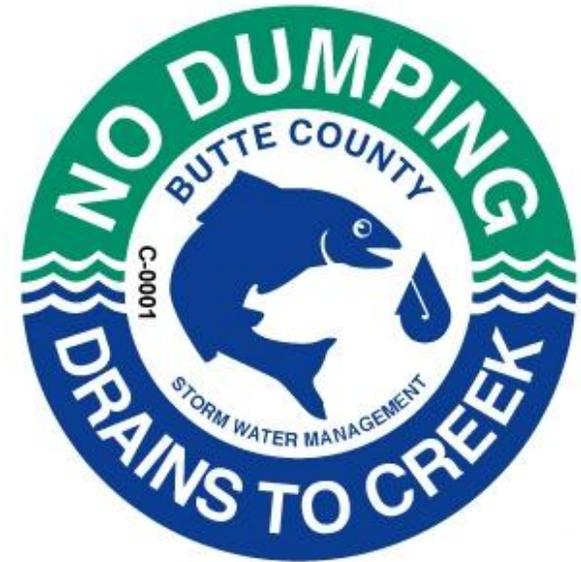
This is a public service announcement brought to you by the Butte County Storm Water Management Program.



*THE BUTTE COUNTY STORMWATER MANAGEMENT PROGRAM  
NEEDS YOUR HELP IN STOPPING  
**STORMWATER POLLUTION***

**Our local street gutters and storm drains flow directly into Butte County's streams, rivers, and creeks. The following simple rules will help reduce stormwater pollution:**

- Recycle used motor oil.
- Wash your car on the grass.
- Don't hose down driveways or sidewalks.
- Apply lawn and garden chemicals sparingly.
- Dispose of pet wastes in the garbage or toilet.
- Properly dispose of household hazardous wastes.
- Keep grass clippings and leaves out of storm drains.
- Never throw litter or cigarette butts down storm drains.
- Do not dump used motor oil down storm drains or on the ground.



Butte County Storm Water Management Program — Dept. of Public Works — 7 County Center Drive — Oroville, CA 95965

Phone: 530-538-7266 — Fax: 530-538-7171 — E-mail to: [stormwater@buttecounty.net](mailto:stormwater@buttecounty.net)

VISIT OUR WEBSITE AT: [www.buttecounty.net/publicworks/stormwater.html](http://www.buttecounty.net/publicworks/stormwater.html)

## Who Should Attend?

Facility Maintenance Personnel  
Construction General Contractors and  
Subcontractors  
Developers  
Engineers and Consultants  
Municipal Public Works and Planning Staff  
Field and Building Inspectors

### Facility or Site Good Housekeeping



Covered stockpiles of material

## Registration includes

Coffee, Donuts, Water  
Presentation Materials  
Vendor Exposition  
On-site Demonstration  
Certificate of Completion

If you are responsible for a large  
business or work in the construc-  
tion or development field

**Do Not Miss This Workshop!**



Butte County Storm Water Management  
7 County Center Drive  
Oroville, CA 95965

## Facility and Construction Site Planning and Management for Compliance with Phase II NPDES Requirements October 2005 Workshop



Best Management Practices

*A cooperative project of:  
The County of Butte and the  
City of Chico  
&  
STORMWATER Compliance  
Specialists*

Wednesday, October 26, 2005  
City Council Chambers  
410 Main Street  
Chico, CA

37 cent  
Stamp



Facility maintenance and construction-related erosion can cause problems for down gradient property owners, clog storm drains, create flooding problems on adjacent streets, and lead to sedimentation and silting of streams or other water bodies.

Uncontrolled erosion is costly, violates state and federal pollution laws, and exposes those with oversight authority (landowners, developers, contractors, municipalities and consultants) to legal liability.

Fortunately, during facility operation and maintenance activities, as well as construction activities, most storm water pollution runoff and erosion and sediment problems can be prevented or greatly reduced through proper planning and implementation of simple and low-cost effective control practices.

NPDES Requirements: Facility management and new and redevelopment performance standards require implementation of best management practices (BMPs) including incorporation of treatment measures to minimize pollutant discharges for the life of the project.

Workshop Benefits: Acquire understanding of the NPDES permit requirements; learn simple and effective BMP tools; receive information on management approaches to stay in compliance; gain exposure to non-structural and structural BMPs.

**A G E N D A**

<b>9:00 am</b>	Registration, Coffee & Donuts
<b>9:15 am</b>	Welcome
<b>9:30 am</b>	Storm Water Management Responsibilities for: Facility Maintenance Activities Construction Activities Post Construction Requirements
<b>10:15 am</b>	BMPs for Facilities BMPs for Construction
<b>11:30 am</b>	Questions and Answers
<b>12:00 pm</b>	Lunch and Vendor Exposition (Lunch On Your Own)
<b>1:15 pm</b>	Construction Site BMPs Inspection Documentation and Site Plan Update Procedures
<b>1:45 pm</b>	Questions and Answers
<b>2:00 pm</b>	Demonstration Site Visit Proper Installation and Maintenance Procedures
(Limited bus transportation will be provided; site visit will be conducted rain or shine; please dress accordingly)	
<b>3:30—4:00 pm</b>	Return to Council Chambers Certification and Evaluation Form Completion / Adjourn

Detach Here

**Registration**

**FEE \$30.00**

Mail Registration Form and Payment to:

Butte County Public Works Department  
Storm Water Management  
7 County Center Dr., Oroville, CA 95965  
530-538-7266

Make checks payable to:  
**Butte County Public Works**

Cancellation Policy: No refunds within 2 weeks of workshop date

Name \_\_\_\_\_

Affiliation \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State and Zip \_\_\_\_\_

Telephone \_\_\_\_\_

Fax \_\_\_\_\_

E-Mail \_\_\_\_\_

**Workshop Date:**

Wednesday, October 26, 2005

**Location:**

City of Chico Council Chambers  
410 Main Street

*(Arrive early to find parking)*

# October 26, 2006 BMP Workshop Photos

