



City of Cañon City

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2008 Annual Program Review

Public Education and Outreach

Program Element	Compliance Status	*Assessment of Effectiveness	Modifications	**Measurable Goals
Forming Partnerships	Fully Implemented	Effective.	None	NA
Quarterly Newsletters	Fully Implemented	Effective	None	NA
Stormwater Website	Fully Implemented	Less Effective	Re-vamp website	NA
Demonstrations in local schools and to civic organizations	Fully Implemented	Effective	None	NA
Coordinate with local schools, organizations, businesses and artists to design stormwater murals to be mounted on river rafting shuttle busses.	Fully Implemented	Less Effective	Broaden the scope of the contest to increase participation.	NA
Disseminate industry appropriate BMP information quarterly	Fully Implemented	Effective	None	NA
Public service announcements/programs on local radio/tv stations	Fully Implemented	Effective	None	NA
Financial support and advertising for Upper Arkansas Recycling program	Fully Implemented	Effective	None	NA
Annually stencil at least twenty-five stormdrains	Fully Implemented	Effective	None	NA
Stormwater murals displayed on river rafting shuttle buses.	Fully Implemented	Effective	None	NA

*Assessment of Effectiveness in this category is a subjective evaluation as it is difficult to directly track the effect each of these has on public awareness and participation. A system to track certain elements such as visits to the website and calls on the Stormwater Hotline is being

implemented in 2009. By tracking these components we should be able to see if the Stormwater Education and Outreach Programs are, indeed, increasing public awareness and participation.

**There were no Measurable Goals listed in The City of Cañon City's Stormwater Management Program Descriptions for the 2008 – 2013 Stormwater Permit.

Discussion of Elements:

1. Forming Partnerships: There is no change in this element. The City of Cañon City will continue to be a member of, or involved in, several councils and associations.
2. Using Educational Materials and Strategies: All programs listed were ongoing and will continue to be utilized during 2009.
 - A. Quarterly stormwater newsletters are sent out with City water bills. Each issue encourages the public to contact us with their concerns and questions or if they have suggestions for future topics or programs and also includes the contact information. There were 20,177 residential newsletters sent in 2008. For 2009, a system has been implemented to track the number of calls, emails or letters that are received by the Stormwater Department and the general area of concern of each which should assist in quantifying the effectiveness of the newsletters.
 - B. The Stormwater web page will be completely re-done to include more general information, additional links and access to more reports. Some examples of areas to be added or updated are watershed information, stormwater impacts on water quality and what the public can do to minimize their impact on stormwater, more complete illicit discharge information, prior newsletters, BMP's, annual reports on inspections and compliance and public participant events. The anticipated date of introduction of the revised web page is no later than June 1, 2009. Visits to the web page will be tracked to the best extent possible to assist in quantifying the effectiveness of the web page. In 2008 the web page was viewed 782 times.
 - C. Demonstrations in local schools and to civic organizations are given as requested. Programs are continually evaluated and updated.
 - D. The contest to design new storm water murals for display on river rafting shuttle buses did not produce any new entries. Broadening the scope of who may participate and increasing advertising should create more participation in the contest for 2009.
 - E. Dissemination of industry appropriate stormwater BMP information is done through quarterly newsletters. In 2008, 5,547 newsletters were sent out.
 - F. Ten different public service announcements were aired on local radio stations during 2008 for a total air time of 1,159 minutes. Three stormwater related programs were run on CCTV-Channel 19 with a total air time of 136 minutes. Public service announcements and programs are rotated and new ones added throughout the year.
 - G. Financial support and advertising for Upper Arkansas Recycling Program amounted to approximately \$16,500 for 2008.
3. Signage and Stenciling:
 - A. Ninety-four stormdrains were stenciled in 2008 with the assistance of fourteen students from Garden Park High School. The annual stenciling will continue in 2009 with a minor modification from the Stormwater Management Program Description for 2008-2013. The stencils will not be developed locally by high school students or service groups but will be re-usable stencils already in use.

- B. Four different murals were displayed on the side of river rafting shuttle buses during the 2008 rafting season. This program will continue in 2009.
4. Reaching Diverse Audiences: Direct mail, public service announcements and programs and personal contact were all utilized in 2008 to reach a broad spectrum of our citizens and businesses. The Bus Mural program has the added advantage of helping to educate the many tourists who visit our city yearly. Programs are evaluated and updated continually in order to reach as many people as possible and promote interest and participation in the programs. New programs are developed and implemented to maintain freshness in disseminating stormwater information.
 5. Illicit Discharge Education to Businesses and the Public: About one-half of the printed material and the audio/visual media focuses on the wide variety of illicit discharges and teaches the public how to recognize and prevent them. In addition, the quarterly newsletters encourage everyone to get involved by calling, emailing or writing in with their questions, complaints or ideas. Every concern is addressed promptly. The revised Stormwater web page will include a form for emailing reports of suspected illicit discharges directly to the Stormwater Department.

Public Participation/Involvement

Program Element	Compliance Status	*Assessment of Effectiveness	Modifications	**Measurable Goals
Public Notices	Fully Implemented	Effective.	None	NA
Contact Information is available through the newsletters, web page, news articles and public service announcements	Fully Implemented	Effective	None	NA
Feedback via phone calls, email or letters.	Fully Implemented	Effective	None	NA

*Assessment of Effectiveness in this category is a subjective evaluation as it is difficult to directly track the effect each of these has on public awareness and participation. A system to track certain elements such as visits to the website and calls on the Stormwater Hotline is being implemented in 2009. By tracking these components we should be able to see if the Stormwater Education and Outreach Programs are, indeed, increasing public awareness and participation.

**There were no Measurable Goals listed in The City of Cañon City's Stormwater Management Program Descriptions for the 2008 – 2013 Stormwater Permit.

Discussion of Elements: All programs listed were ongoing and will continue to be utilized during 2009.

1. The City of Cañon City complies with the Open Meeting act as set forth in Colorado Revised Statutes. All public meetings are posted on a public bulletin board inside City Hall at least 24 hours in advance on any public hearing. A notice is also printed in the local newspaper.

2. Contact information is available through the quarterly newsletters and on the web page. It is also included in any newspaper articles and public service announcements. All City of Cañon City field staff have the Stormwater Technician's direct line in order to report any suspected illicit discharges.
3. The quarterly newsletters encourage everyone to get involved by calling, emailing or writing in with their questions, complaints or ideas. A log is kept of all contacts (phone, email and letters) concerning stormwater issues with the intent to better track the effectiveness of the public education and participation programs.
4. The revised Stormwater web page will include a form for emailing reports of suspected illicit discharges directly to the Stormwater Department.

Illicit Discharge Detection and Elimination

Program Element	Compliance Status	Assessment of Effectiveness	Modifications	*Measurable Goals
Outfall Map	Fully Implemented	Effective.	None	NA
Regulatory Mechanism	Fully Implemented	Effective	None	NA
Illicit Discharge Detection and Elimination Plan	Fully Implemented	Effective	None	NA
Staff Education	Fully Implemented	Effective	None	NA

*There were no Measurable Goals listed in The City of Cañon City's Stormwater Management Program Descriptions for the 2008 – 2013 Stormwater Permit.

Discussion of Elements: All programs listed were ongoing and will continue to be utilized during 2009.

1. Outfall Map: Outfall Reconnaissance Inventories (ORIs) were continued during 2008 and will be continued throughout 2009. The CarteGraph database has been updated to include the ORI forms which will facilitate the field inspections. As new outfalls are built they will be surveyed and added into the map.
2. Illicit Discharge Detection and Elimination Plan:
 - A. Eleven incidents of suspected illicit discharges were reported during 2008. Of those, two received verbal warnings and seven received a written Notice of Non-Compliance. (One received both a verbal warning and written Notice of Non-Compliance.) One was given a written Notice of Violation/Enforcement Action with a fine.
 - B. For 2009, a more detailed tracking system has been implemented to assess the number and nature of suspected illicit discharges along with the ensuing actions taken.
 - C. Sampling was done at several outfalls in 2008 to establish baseline water quality data. Periodic inspections and sampling will be continued throughout 2009 as will sampling of the Arkansas River.
3. Staff Education: Staff IDDE education occurs on an ongoing basis.

Construction Site Runoff Control

Program Element	Compliance Status	Assessment of Effectiveness	Modifications	*Measurable Goals
Regulatory Mechanism to require BMPs and sanctions to ensure compliance.	Fully Implemented	Effective	None	NA
Requirements for construction site operators to implement appropriate erosion and sediment control BMPs and materials handling BMPs.	Fully Implemented	Effective.	None	NA
Requirements for construction site operators to control waste including discarded building materials, concrete truck washout, chemicals, litter and sanitary waste.	Fully Implemented	Effective	None	NA
Procedures for site plan review which incorporate consideration of potential water quality impacts.	Fully Implemented	Effective	None	NA
Procedures for receipt and consideration of information submitted by the public.	Fully Implemented	Effective	None	NA
Procedures for site inspection and enforcement of control measures.	Fully Implemented	Effective	None	NA
Training and Education for Construction Site Operators.	Fully Implemented	Effective	None	NA
Procedures to minimize the occurrence of, and obtain compliance from, chronic and recalcitrant violators of control measures.	Fully Implemented	Effective	None	NA

*There were no Measurable Goals listed in The City of Cañon City's Stormwater Management Program Descriptions for the 2008 – 2013 Stormwater Permit.

Discussion of Elements: All programs listed were ongoing and will continue to be utilized during 2009.

1. Ordinance No. 20 and the City of Cañon City Grading, Erosion & Sediment Control (GESC) Manual were enacted in 2006. They have proved effective in obtaining compliance for construction site stormwater management.
2. A log is kept of all contacts (phone, email and letters) concerning stormwater issues with the intent to better track the effectiveness of the public education and participation programs. All complaints and concerns are addressed promptly.
3. Periodic inspections are performed at all construction sites and post-construction sites with appropriate enforcements actions being taken when needed. During 2008, one hundred ninety-three (193) inspections were performed at eighty-three (83) construction sites. Approximately one hundred sixty-four (164) were full-level inspections and twenty-nine (29) were reconnaissance. These inspections resulted in forty (40) Notices of Non-Compliance, nine (9) Notices of Violation and Enforcement Action with fines. There were no Stop Work Orders or Cease and Desist Orders issued. A detailed tracking system is in place to assess the number and nature of inspections and actions and to identify repeat violators. As of 2009 the tracking system has been modified to differentiate between Full Level Inspections and Reconnaissance/Indicator Inspections.
4. Training and education for construction site operators is achieved using the GESC manual and through the plan review process. New information and resources are passed to local contractors and developers when available. Workshops are held when there is sufficient demand.
5. Procedures to minimize the occurrence of, and obtain compliance from, chronic violators were implemented with Ordinance No. 20 (2006). They range from increasing monetary fines to criminal penalties and/or prosecution and imprisonment. A more detailed system to track repeat offenders has been implemented in 2009.

Post-construction Stormwater Management

Program Element	Compliance Status	Assessment of Effectiveness	Modifications	*Measurable Goals
Regulatory Mechanism	Fully Implemented	Effective	None	NA
Design Criteria and Standards	Fully Implemented	Effective.	None	NA
Review and Approval Procedures	Fully Implemented	Effective	None	NA
Tracking	Fully Implemented	Effective	None	NA
Requiring long-term operation and maintenance of BMPs	Fully Implemented	Effective	None	NA
Monitor long-term compliance	Fully Implemented	Effective	None	NA

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Discussion of Elements: All programs listed were ongoing and will continue to be utilized during 2009.

1. Ordinance 20 (2006) addresses the issues of the requirements for post-construction permanent BMPs including technical standards and specifications, review and approval procedures and the long-term operation and maintenance of the BMPs.
2. Permanent BMPs are recorded at final inspection and entered into the CarteGraph database. There were 12 permanent BMPs implemented during 2008.
3. Permanent BMPs are inspected annually with the results of those inspections entered into the CarteGraph database. An inspection report is sent to the custodian of the BMP, and if maintenance is required, the custodian is given thirty (30) days to comply. All BMPs are re-inspected at the end of that time and enforcement procedures are instituted if the corrective maintenance has not been done. During 2008, a total of sixty-nine (69) BMPs were inspected. Fifty (50) were sent letters detailing the maintenance required to bring them into compliance and a follow-up inspection was done; one was given a Notice of Non-Compliance which resulted in compliance.

Pollution Prevention/Good Housekeeping For Municipal Operations

Program Element	Compliance Status	Assessment of Effectiveness	Modifications	Measurable Goals
Implementation of an operation and maintenance program	Partially Implemented	Effective	None	NA
Employee Training	Fully Implemented	Effective.	None	NA
Develop written procedures for an O&M program	Not Implemented	NA	NA	December 31, 2009

Discussion of Elements:

1. All municipally owned facilities (including parks) are inspected annually. The results of the inspections are presented to the appropriate department heads for compliance. Follow-up inspections are done to insure required maintenance is completed. In 2008, thirty-seven (37) facilities were inspected. Part of the program includes street sweeping which is funded by the Congestion Mitigation and Air Quality Improvement Program.
2. Employee training occurs on an annual basis and as new employees are hired.
3. The annual inspections and audit are being utilized to develop written procedures for an Operations and Maintenance Manual for each department. The O&M manual will be implemented before December 31, 2009.