

Wyoming Department of Environmental Quality  
 Small MS4 Annual Report Form  
 2013 Reporting Year



Please refer to the attached instructions as you prepare your annual report.

<b>1. General Information</b>			
Name of MS4:	City of Casper		
Contact Name:	Zulima Lopez		
Telephone Number:	307-235-7535	E-mail Address:	zlopez@cityofcasperwy.com

<b>2. SWMP modifications and additional information.</b> Add a brief explanation if you check "Yes" to any of the following statements.		
2.1 Changes have been made to the SWMP since beginning coverage under the general permit.  Some BMPs and/or measurable goals have been modified, replaced, or added. Changes have been made to provide more effective results or reflect better measurement strategies. Details about changes are written into each applicable MCM.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
2.2 The area under control of the MS4 has changed since the last version of the SWMP that was submitted to WDEQ was completed (annexation, rights of way along new roads, etc).  Casper continues to see marginal growth. A map is attached showing annexations to the City since the last MS4 Annual Report; there were five annexations in 2013. All properties incorporated into the Casper City limits are subject to the SWMP, and no changes have been made to BMP's.	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
2.3.1 The MS4 discharges directly to an impaired water.  The City of Casper MS4 has numerous discharges into the North Platte River, identified by WDEQ in their "Wyoming Water Quality Assessment and Impaired Waters List" report as impaired per section 303(d) of the	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

<p>Clean Water Act. The cause of the impairment is identified as selenium, a result of irrigated crop production on soils with naturally high levels of the element.</p> <p>The “Erosion and Sediment Control Best Management Practices for the City of Casper, Wyoming” manual was adopted in 2004. All of the BMP’s in the manual have a positive effect in reducing erosion and sediment runoff into the North Platte River, through preservation of natural vegetation to implementation of erosion control measures.</p> <p>Additionally, for projects involving storm water discharge into the North Platte River, storm water pollutant removal systems have been installed. These systems are designed to remove particulate matter, as well as free oils, heavy metals and nutrients attached to fine sediment. To date, “Stormceptors” have been installed at the Robertson Road, Paradise Valley, West Yellowstone, and Service Center discharges into the North Platte River.</p> <p>Additional BMP’s are not proposed at this time to further reduce or eliminate the discharge of selenium in storm water runoff.</p>	
<p>2.3.2 The MS4 discharges are within 10 miles upstream of a surface water that has been indentified as impaired for pollutants associated with storm water discharge.</p> <p>As identified by WDEQ in their “Wyoming Water Quality Assessment and Impaired Waters List” report, 41.8 miles of the North Platte River upstream and downstream of the City of Casper are considered impaired per section 303(d) of the CWA due to selenium. Soils surrounding Casper are naturally high in selenium, with the sources of the pollutant in the North Platte River coming from irrigated crop production and natural sources. Due to naturally high levels of selenium in Casper soils, storm water discharges containing selenium are likely to occur. It is believed that the BMP’s in place are, to the Maximum Extent Possible (MEP), reducing the discharge of selenium to the North Platte River.</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>
<p>2.4 The MS4 has conducted analytical monitoring of storm water quality. [<i>Whether for this permit, for compliance with a TMDL or other reasons.</i>]</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>
<p>2.5 The MS4 is relying on another government entity to satisfy some permit obligations.</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>

**3. Storm Water Management Program (SWMP) status.** Provide the end-of-year status for every BMP and measurable goal in your SWMP as described in the instructions. If more room is needed you may add rows to this table or attach a separate sheet.

MCM(s)	BMP (by number or description)	Measurable Goal	New or Revised	Start Date	Implementation Status/Frequency/Completion Date
--------	--------------------------------	-----------------	----------------	------------	---

					(completed, in progress, not started)
MCM1	Identify stakeholders & businesses appropriate for storm water impacts—update yearly	List of stakeholders & businesses		2006	In progress. A list of stakeholders and businesses has been completed in the past but was not reviewed or revised in 2013. A new list will be compiled in 2014.
MCM1	List of stakeholders with planned actions for each target group; determine timing, frequency, and milestones—update & evaluate yearly	Offer tailgate training on storm water impacts—evaluate and incorporate Keep Casper Beautiful business waste/storm water audit  Revised to coordinate action events with target groups in which we discuss the impacts of litter.	X	2007	Completed annually. Fifty six cleanup events were organized by the City in 2013. Example: Twice per year in April and September dog walkers and interested others participate in a dog poop pickup event held in Morad Park, a popular dog walking area. Also, the Platte River Revival is a River cleanup event for all interested residents held annually in September.
MCM1	Develop & implement public education program	Plan		2006	Plan updated and implemented annually.
MCM1 REPLACED	Develop 2 newspaper inserts  Replaced with: Newspaper ads and articles	Number of media impressions	X	2006	Completed annually. In 2013, we utilized “Cease the Grease” and “Scoop the Poop” ad campaigns. 38 ads in the Casper Star Tribune and 17 in the Casper Journal were placed. Additionally, 14 news articles were written on recycling, litter, Platte River Revival, and Scoop the Poop. 5,244,356 media impressions were made.
MCM1 Revised	Radio PSA’s  Revised to Radio Advertisements	Number of PSA’s  Revised to number of radio advertisements and impressions	X	2006	Completed annually. In 2013, a total of 1,975 ads for Poop the Scoop and Cease the Grease were aired with 22,265,600 impressions.
MCM1 ADDITION	Billboards	Number of media impressions	X	2012	Completed annually. Four Scoop the Poop billboards have been purchased totaling 1,228,152 impressions.
MCM1 REVISED	Brochure	Number of media impressions was revised to number distributed	X	2006	Completed annually. 226 brochures were distributed in 2013.
MCM1 REVISED	Conservation Book	Number of media impressions was revised to number distributed	X	2006	Completed annually. 65 conservation gardening books were distributed in 2013.
MCM1 REPLACED	Channel 3 Program  Replaced with:	Number of slides  Replaced with:	X	2010	Completed annually. 8 news stories were done on the Platte River Revival, recycling, waste reduction, Scoop the Poop, and the street tree

	Television news stories	Number of news stories			program totaling 1,215,940 impressions.
MCM1	Screen ads at movies	# of showings	X	2005	Completed annually. Ad shown 7,728 times.
MCM1 REPLACED	Home & Garden Show  Replaced with: Central Wyoming Fair and Rodeo Parade	Number of visitors  Replaced with: Number of attendees	X	2010	Completed annually. 9 Volunteers engaged the public to discourage littering during the Parade. Volunteers actively pick litter and collect attendees' garbage. Volunteers wore green t-shirts with the message "Keep It Clean" to encourage correct behavior. 120 Boys and Girls Club attendees maintained 3 blocks of the parade route as well, but without shirts. The Scoop the Poop spokesdog was also in the parade in a vehicle with signage. 10,000 people attended the parade.
MCM1 REVISED	Create a storm water website	Number of articles  Revised to: Number of views	x	2006	Completed. The website casperstormwater.com continues to be maintained and updated. The storm water web page had 1,965 views. The Cease the Grease webpage had 518 views and the Scoop the Poop webpage had 2,271 views. Additionally, our website has links on at least 3 other storm water related websites/web pages: platterriverrevival.org; keeppercasperbeautiful.org; and putyourbutinthecan.org which had a total of 2,955 views. Total views for Casper's website and linked pages are 7,709.
MCM1 ADDITION	Utilize internet resources for education	Number of impressions		2010	Completed annually. Online ads with Star Tribune and Townsquare Media were purchased that resulted in 825 clicks to the Cease the Grease page and 1,495 clicks to the Scoop the Poop page. An online Scoop the Poop spokesdog contest had 300 entries and 3,641 votes. An online Cease the Grease contest had 74 entries and 172 votes. In addition to the websites, the Keep Casper Beautiful Facebook page promoted Cease the Grease, Scoop the Poop, the Platte River Revival, recycling, leaf collection, litter prevention, tree planting, and shoveling snow

					onto the yard instead of the street for a total of 24,010 impressions. 1,694,557 impressions.
MCM1 REVISED	Hold 2 public education workshops each year	Number of events held		2006	Completed annually. Twelve education workshops with the Boys & Girls Club, six landfill tours, and ten special waste & diversion tours occurred. Additionally, 56 cleanup events were executed by the City of Casper. Total number of events held was 84.
MCM1	Participate in Water Festival if available	Number of students	X	2005	Not completed. The Water Festival has not been held since 2005.
MCM1	Explore opportunities to promote storm water education and nonpoint source pollution in other key publications such as: Keep Casper Beautiful, Refuse and Collections, Annual Water Report	Number of publications and number distributed		2006	Completed annually. Education materials included the 2013 Casper Annual Drinking Water Quality Report, 2013 Mills Annual Drinking Water Quality Report, the Household Hazardous Waste brochure, New Customer Garbage brochures, Casper & Mills City Newsletters (4 times), and Christmas Tree recycling point of sale flyers. Combined, there were 13 publications tracked with the number distributed totaling 73,820.
MCM1	Contractual design of publications	Number of publications		2005	Completed in 2005. Ten designed publications are still being distributed. Documents are also available for download on the storm water website.
MCM2	Comply with state & local public notice requirements	Continued compliance with applicable state and local requirements		2006	Completed annually.
MCM2	Keep Casper Beautiful	Number of volunteer hours		2006	Completed annually. There were 3,069.5 volunteer hours in 2013.
MCM2	Adopt a Street Program	Number of volunteer hours		2006	Completed annually. There were 46 volunteer hours in 2013.
MCM2	City of Casper recycling services	Number of tons		2006	Completed annually. 13,267.96 tons of waste was diverted from the landfill in 2013.
MCM2, MCM3	Hazardous Waste Facility	Number of customers		2005	Completed annually. In 2013, the Household Hazardous Waste Facility had 3,200 customers.
MCM2	Hold two public meetings per year	Number of volunteers		2007	Completed annually. In 2007, the Platte River Revival, a river cleanup and restoration project was established. As a community-wide public-private partnership, the Revival works to involve citizens in caring for the river and

					understanding the watershed. The Revival had 350 volunteers in 2013. Fifty five other cleanups were held. The City of Casper had 1,428 total volunteers cleanup 75,370.8 pounds of litter at numerous events.
MCM3	Update storm water GIS coverage	Finalized storm water map		2005	Ongoing. The GIS Division updated the storm water system coverage from 2005-2010. Engineering took over these duties beginning in 2010 and continues to update the changes and new components of the storm water system. A significant GIS update was done as part of the 2013 Storm Water Master Plan. Maintenance of the system will continue to ensure relevant data is readily available at all times.
MCM3	Ordinance to prohibit non-storm water discharges	Ordinance		2005	Completed. This ordinance was completed, adopted, and signed by City Council in early 2011 - Ordinance No. 2-11. Casper Municipal code Chapter 13.49.
MCM3	Draft Illicit Discharge & Elimination Plan	Plan		2008	A draft of this plan was completed in February of 2008. The plan will receive attention in 2014 for necessary revisions.
MCM3	Implement Illicit Discharge & Elimination Plan	Plan		2005	In progress. Portions of the plan have been implemented and are ongoing, including mapping, ordinance adoption and hotline use. Unimplemented sections of the plan will receive attention in 2014 to achieve full plan implementation.
MCM2, MCM3	Hazardous Waste Facility	Number of customers		2005	Completed annually. In 2013, the Household Hazardous Waste Facility had 3,200 customers.
MCM3	Staff training	Number of people trained and manual		2011	In progress. An employee handbook was drafted in 2006. This handbook will be reviewed and updated in 2014 or 2015. Additionally, five Public Services employees participated in a webinar in January of 2013 on "road salt pollution prevention strategies".
MCM3	Storm water hotline	Advertise & number of calls		2005	Completed. Hotline is advertised on the City of Casper website. Casper Fire/EMS responded to 36 calls classified as Spills and Public Services responded to 9 calls for hazardous materials.

MCM3 REMOVED	Contractual to Energy Labs	Water testing	X	2005	Completed. Testing was terminated in 2010 because previous years of testing yielded no significant problems and the City of Casper is not under any state or federal requirement to perform such testing.
MCM4	Prepare and adopt a Storm Water Ordinance that requires erosion & sediment control	Ordinance		2004	Completed. Chapter 12.20 of the Casper Municipal Code requires an Erosion and Sediment Control Permit for disturbed areas greater than one acre in size.
MCM4	Review erosion and sediment control on construction sites and development of inspection program	# of inspections, inspect each site monthly, program development		2004	Development of the inspection program was completed with the adoption of the best management practices manual. All construction activities are required to complete an inspection form on a bi-weekly basis or after a significant storm water event. Inspections are ongoing; forty five documented inspections were completed in 2013.
MCM4	Prepare guidance manual for BMP's	Manual printing and CD's, guidance posted on website		2004	Manual completed and posted at <a href="http://www.casperstormwater.com">www.casperstormwater.com</a> . Manuals and CDs are also available to customers upon request.
MCM4	Evaluate site plan procedures	Conduct site plan reviews for storm water impact and number of plans reviewed.		2004	Completed annually. City staff conducted thirty four site plan and twenty nine plat, replat, minor boundary adjustment, and annexation (urban development) reviews in 2013. Drainage plans and/or studies are required for sites of 10,000 square feet or more, where water quantity and water quality measures are required.
MCM4	Revision of the City's current site-plan review process	Incorporate recommendations		2005	The City's site-plan review process was evaluated in 2005. Sites with a total land area of more than 10,000 square feet are required to submit a drainage study in accordance with the City of Casper Storm water Management Design Manual. The manual dictates procedures and techniques for the management of urban storm water drainage and control of erosion and sedimentation.
MCM4	Participate in two	Number of attendees		2009	Completed annually. An informational open

	public education workshops for developers and contractors				house was held to discuss the City of Casper Storm water Management Master Plan on March 7, 2013. Nine people attended the event, which targeted developers and contract engineers. Additionally, a presentation on storm water treatment solutions was delivered at the Wyoming Society of Professional Engineers meeting on November 22, 2013. This presentation was coordinated by City Engineering staff and had 13 attendees, most of whom are contract Engineers in Casper.
MCM4	Develop a set of procedures for the receipt and consideration of information from public	Written procedures		2006	Completed. Storm water hotline and procedures are in place. Information is processed as received.
MCM4, MCM5	Update 1983 storm water master plan	Plan		2011	The Storm water Management Master Plan was completed in March of 2013. The updated Plan provided an updated storm water infrastructure inventory in GIS; developed a plan for regional detention and conveyance improvements, integrated drainageways into parks and open spaces, developed a hydraulic model of the City's major storm water drainage system, recommended capital improvement needs to eliminate drainage and flooding problems, provided recommendations for permanent BMPs, and provided an environmental analysis that addresses items that impact storm water quality.
MCM4, MCM5	Evaluation of City Storm Water Management Planning Manual	Manual		2011	In progress. The Storm Water Management Master Plan was completed in March 2013. Information from the Master Plan will be utilized in 2014 to develop a Storm Water Management Planning Manual (or like document) that will assist in the revision/development of a holistic storm water management program in Casper.
MCM5	Adopt development standards utilizing	Development Standards		2004	Completed. The City of Casper has adopted a Municipal Code 12.20 for enforcement of

	structural and non-structural controls in accordance with the Phase II permit				Erosion and Sediment Control which outlines permit requirements, practice requirements, authority of inspection, inspection requirements, maintenance guidelines for post construction vegetation BMP's and maintenance, security and insurance requirements, enforcement authority, and a violation penalty.
MCM5	Post-construction site storm water runoff control ordinance	Ordinance		2004	Completed. The City of Casper has adopted Municipal Code 12.20 for enforcement of Erosion and Sediment Control which outlines permit requirements, practice requirements, authority of inspection, Inspection requirements, maintenance, guidelines for post construction vegetation BMP's and maintenance, security and insurance requirements, enforcement authority, and a violation penalty.
MCM5	Revise and adopt city floodplain management regulations	Ordinance		2004	Completed. The City of Casper has established an ordinance that created Chapter 17.20 "FC Major Flood Channels and River Banks" in the Municipal Code. This code relates to reducing flood losses, permit procedures, standards for flood hazard reduction, standards for subdivision proposals, shallow flooding, and floodways. FEMA training has been completed by key members of the City in incident response.
MCM5	Update city of Casper flood plains mapping	Map		2011	In progress. The North Platte River runs through the city of Casper. Several drainages travel through the City and outfall into the river. The City of Casper currently has the flood plain mapped out, which was provided by FEMA, to be used by emergency responders, planners, and engineers. This map is available to all employees through the GIS department. FEMA is currently working with the Planning Department to update the flood plain. Barring major appeals or changes, new flood plain maps should be adopted in late 2014 or early 2015.

MCM5	Review and update SWPPP	Policy and goals		2013	Completed annually. There are three separate SWPPP permits within the City of Casper: Sam Hobbs Regional Wastewater Treatment Facility, Casper Service Center, and the Casper Regional Solid Waste Facility. The permits were updated in 10/18/13, 3/8/13, and 1/15/13 respectively. Additionally, a semiannual review of the SWPPPs for the Casper Service Center and the Casper Regional Solid Waste Facility were completed in September, 2013 with no changes to the plan implemented at that time.
MCM5	Establish plan for operation and management for structural and non-structural BMP's	Plan		2004	In 2013, the City of Casper Streets Department was responsible for the management of the City's storm water BMP's. BMP's were inspected as resources allowed. All discovered deficiencies were repaired within a timely manner given the manpower and resources required. If the repairs required were greater than what the city crews and resources allowed, the problem was entered into the following year's budget to be contracted out for a private company to complete. Beginning in 2014, storm water BMPs will be the responsibility of a newly organized division and manager: Sanitary Sewer/Storm water. The plan for BMP O&M will be evaluated and updated in 2014.
MCM5	Review of city's plan to enforce requirements that other parties maintain BMP's	City Attorney's opinion		2004	Completed. All site plans must be submitted to the City of Casper for review and acceptance. Given acceptance, all other parties BMP maintenance is required to be performed by the property owner.
MCM5	Ordinance enforced, plan, and policy in place	Plan		2004	Completed. The City of Casper has adopted a Municipal Code for enforcement of Erosion and Sediment Control that outlines permit requirements, practice requirements, authority of inspection, inspection requirements, maintenance, guidelines for post construction vegetation BMP's and maintenance, security and insurance requirements, enforcement authority, and a violation penalty. Municipal

					Code 12.20 and 13.49 may be viewed at <a href="http://Casperwy.gov">Casperwy.gov</a> under "Laws and Regulations".
MCM5	Evaluate comprehensive land use plan for updates	Updates		2011	The City of Casper's comprehensive land use plan is updated every five years. The City updated this outlook in 2011 with a vision plan for 2020.
MCM6	Develop operations and maintenance program, evaluate operation for environmental impacts, develop list of all facilities covered	Plan		2004	In progress. There are three separate SWPPP permits within the City of Casper: Casper Service Center, Sam Hobbs Regional Wastewater Treatment Facility, and the Casper Regional Landfill. Each permit is reviewed and updated annually. Other City operations will be evaluated in 2014 with a new program for O&M procedures that protect storm water quality written thereafter.
MCM6	Continued maintenance and inspection of structural and non-structural storm water control	Inspection		2005	In progress. Due to management changes and short staffing, maintenance and inspection work for 2013 only occurred on an as-needed basis. Under new management, routine preventative maintenance and inspection programs will be developed and implemented in 2014.
MCM6	Develop record tracking system for operations and maintenance and inspections	Records		2013	In progress. Historically, a field inspection sheet was filled out for each inspection. All of the field inspection sheets were then transferred to an excel file that was maintained in the Streets Division. In 2014, a new system will be implemented utilizing GIS and/or a work order system as the primary method for tracking storm water system O&M and inspection activities.
MCM6	Develop staff training	Employee training		2005	In progress. A storm water training presentation was developed and Public Services work groups were all trained on general storm water information in late 2012. The training program will be reviewed and revised in 2014. Public Services employees participated in a webinar in January of 2013 on "road salt pollution prevention strategies".
MCM6	Continue involvement	Program participation		2005	Ongoing. The City of Casper is involved in

	in community cleanups and various city programs to reduce litter, promote recycling, proper disposal of hazardous waste, maintain environment				various community cleanups and city programs throughout each year. 2013 events included: <ol style="list-style-type: none"> <li>1) Central Wyoming Fair &amp; Rodeo Parade - The City provided volunteers to encourage a litter-free parade.</li> <li>2) Fifty six cleanup events – Ex. Morad Park dog poop pickup, Platte River Parkway cleanup, and the Platte River Revival.</li> <li>3) Nic-Fest and Casper Events Center Events - replaced some of the garbage bins with recycling containers.</li> <li>4) Landfill and Special Waste &amp; Diversion tours.</li> </ol>
MCM6	SWPPP for Casper Service Center	Implement plan		2005	Completed. The SWPPP plan for the Casper Service Center was updated on March 8, 2013. The updated plan is kept at the Service Center.
MCM6	Spill prevention and response program	Document, inspect, response actions		2005	Completed annually. The City of Casper has an Environmental Spill Response Plan that is kept with Risk Management, dispatchers, first responders and the special waste manager. This plan provides information on who to contact, who's in charge, and response actions to take. The first responder on site is responsible for documentation. The Casper Regional Landfill also has a Spill Prevention Counter Measure Plan. This plan is for incidents that occur at the landfill. The special waste manager is responsible for reporting and documentation.
MCM6	Solid Waste recyclables program	Continue weekly pickup		2005	Completed annually. The Solid Waste Division has several recycle collection centers throughout Casper, Evansville and Mills that are maintained on a weekly basis. The total recyclables diverted from the landfill equal a reduction of 10.42%. Recycled Materials for 2013: Flammable Liquids – 5.25 tons Oil Based Paint – 5.85 tons Poison Loose Pack – 3.63 tons Acid Loose Pack – 0.45 tons

					<p>Base Loose Pack – 0.25 tons  Fluorescent Bulbs – 5.25 tons  PCB Ballasts – 0.50 tons  Poison Aerosol – 0.60 tons  Used Oil – 45.20 tons  Cooking Oil – 1.20 tons  Automotive Batteries – 11.10 tons  Rechargeable Batteries – 0.55 tons  Cadium Batteries – 0.00  Electronic Waste – 174.91 tons  Aluminum – 13.54 tons  White Paper – 115.40 tons  Magazines – 257.82 tons  Newsprint – 601.59 tons  Cardboard – 1,265.33 tons  Plastics – 105.39 tons  Yard Waste – 12,178.59 tons  Metals – 463.41 tons</p>
MCM6	Parks pesticide, herbicide, and fertilizer program	Continue program and monitor for environmental impacts		2005	Completed annually. Parks department compiles an annual report regarding all pesticides, herbicides, and fertilizers utilized within the year. Contact the City of Casper Parks Department to obtain a copy of the report.
MCM6	Automated irrigation management	Continue program and monitor for environmental impacts		2005	Completed. The City of Casper currently has 80% of its park and green ways controlled by an irrigation timer or is set to the computer Motorola internet control. All parks set on timers have rain sensors that will shut the system off if it is or has rained in the recent past. The Motorola internet controller monitors the gallons used and changes the watering rate depending on temperature and weather.
MCM6	Street sweeping	Number of miles		2005	Completed annually. The City of Casper swept 10,903 lane miles of streets in 2013. The City runs one sweeper full time during the winter months and three sweepers full time during the summer months. At the end of each day the sweeping crew logs every street that is swept; these records are kept in the Streets