5. THE UNIVERSITY OF MONTANA

5.1 Public Education and Outreach on Storm Water Impacts

5.1.1 Status of Compliance with Permit Conditions

5.1.1.1 Requirement/Minimum Measure: Implement a public education program to distribute educational materials to the community or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants in storm water runoff.

Best Management Practice: Storm water website and education

Measurable Goal: Develop a website outlining storm water program and ways to keep the storm sewer clean.

Status: Facilities Services webpage includes information on the Storm Water Program and pollution issues in regards to such. The goal of this is to educate University employees and students of the existence of such a system and what efforts they can make to reduce pollution. See Appendix A, page A-22 for a copy of the webpage.

5.1.1.2 Requirement/Minimum Measure: Implement a public education program to distribute educational materials to the community or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants in storm water runoff.

Best Management Practice: Storm water website and education

Measurable Goal: Once a year education of campus community regarding storm water issues.

Status: Facilities Services worked with groups on campus to educate them on the impacts their activities have on the storm drain system, water quality, and compliance with the storm water permit. These groups included contractors and staff whose work could have an impact on these issues. A posting was placed in each building alerting people to the issues surrounding storm water pollution and prevention. Appendix A, page A-23 contains a copy of the posting.

5.1.2 Results of Information Collected and Analyzed (General Permit requirement Part IV.I.2)

No storm water sampling is required of the University of Montana.

5.1.3 Storm Water Activities for 2008 General Permit requirement Part IV.I.3)

The University of Montana will continue the Public Education and Outreach BMPs from this reporting cycle. The Website will be expanded to include links to associated groups, most specifically the co-permittees’ websites.

5.1.4 Proposed Changes to the SWMP (General Permit requirement Part IV.I.4)

No changes to the Public Education and Outreach portion of the Storm Water Management Plan are being proposed at this time.

5.1.5 Notice of Reliance on Another Government Entity (General Permit requirement Part IV.I.5)

The University does rely on the other co-permittees for public education and outreach. Since the University is within both the city of Missoula limits, and Missoula county Limits, all efforts by those groups directly target the University.
5.2 Public Involvement/Participation

5.2.1 Status of Compliance with Permit Conditions
All of the University of Montana's Public Involvement / Participation responsibilities were performed by co-permittees are reported in other sections.

5.2.2 Results of Information Collected and Analyzed (General Permit requirement Part IV.I.2)
No storm water sampling is required of the University of Montana.

5.2.3 Storm Water Activities for 2008 (General Permit requirement Part IV.I.3)
The University will continue conducting the BMPs from the previous reporting cycle.

5.2.4 Proposed Changes to the SWMP (General Permit requirement Part IV.I.4)
No changes to the Public Involvement/Participation portion of the Storm Water Management Plan are being proposed at this time.

5.2.5 Notice of Reliance on Another Government Entity (General Permit requirement Part IV.I.5)
The University does rely on the other co-permittees for public involvement and participation. Since the University is within both the city of Missoula limits, and Missoula county Limits, all efforts by those groups directly target the University.
5.3 Illicit Discharge Detection and Elimination Measures

5.3.1 Status of Compliance with Permit Conditions (General Permit requirement Part IV.I.1)
5.3.1.1 Requirement/Minimum Measure: Develop, if not already completed, a storm sewer system map, showing the location of all outfalls and the names and locations of all outfall receiving waters.
Best Management Practice: Urban Area Storm Drain System Map development
Measurable Goal: Review UM's existing maps and records. Complete the mapping for UM's jurisdictional areas for inclusion into one comprehensive Urban Area Storm Drain System Map.
Status: Updating the University's storm sewer map continued. The update will eventually include the results of ground truthing that occurs.

5.3.1.2 Requirement/Minimum Measure: To the extent allowable under state or local law, effectively prohibit, through ordinance or other regulatory mechanism, non-storm water discharges (other than the potential non-storm water discharges for MS4s listed in New Rule VII (6) (c) (iii) into the MS4 and implement appropriate enforcement procedures and actions.
Best Management Practice: Code enforcement existing and future
Measurable Goal: Continue complying with municipal water quality ordinances.
Status: UM complies with all Municipal codes and ordinances.

5.3.1.3 Requirement/Minimum Measure: Develop and implement a plan to detect and address non-storm water discharges, including illegal dumping, to the MS4.
Best Management Practice: Plan for monitoring discharge points
Measurable Goal: Work together to select the appropriate techniques to monitor and detect non-storm water discharges, trace to source and mitigate in accordance with new laws.
Status: <Comments>

5.3.2 Results of Information Collected and Analyzed (General Permit requirement Part IV.I.2)
No storm water sampling is required of the University of Montana.

5.3.3 Storm Water Activities for 2008 (General Permit requirement Part IV.I.3)
UM will continue all of its Illicit Discharge Detection and Elimination BMPs from the previous reporting cycle. The ongoing update of the UM stormwater map will allow for the combining of the co-permittee storm water maps into one homogenous storm water map of the urban area. Additionally, ground truthing systems and discharge points will continue and be incorporated into the ongoing map update.

5.3.4 Proposed Changes to the SWMP (General Permit requirement Part IV.I.4)
No changes to the Illicit Discharge and Detection portion of the Storm Water Management Plan are being proposed at this time.

5.3.5 Notice of Reliance on Another Government Entity (General Permit requirement Part IV.I.5)
The University does rely on the other co-permittees for compiling the comprehensive Urban Area Storm Drain System Map which includes the storm sewer systems for all co-permittees.
5.4 Construction Site Storm Water Runoff Control Measures

5.4.1 Status of Compliance with Permit Conditions (General Permit requirement Part IV.I.1)
5.4.1.1 Requirement/Minimum Measure: Develop and implement an ordinance or other regulatory mechanism to require erosion and sediment controls, as well as sanctions to assure compliance, to the extent allowable under state or local law.
Best Management Practice: Code enforcement
Measurable Goal: Review, combine, edit and develop ordinances as necessary to meet this requirement. Implement enforcement of new laws and procedures immediately after adoption.
Status: All new construction on campus applies for, and receives, a City of Missoula building permit.

5.4.2 Results of Information Collected and Analyzed (General Permit requirement Part IV.I.2)
No storm water sampling is required of the University of Montana.

5.4.3 Storm Water Activities for 2008 (General Permit requirement Part IV.I.3)
The University of Montana will continue the Construction Site Storm Water Runoff Control BMPs from this reporting cycle. No new activities are planned with the exception if details of codes and ordinances change.

5.4.4 Proposed Changes to the SWMP (General Permit requirement Part IV.I.4)
No changes to the Construction Site Storm Water Runoff Control portion of the Storm Water Management Plan are being proposed at this time.

5.4.5 Notice of Reliance on Another Government Entity (General Permit requirement Part IV.I.5)
The University of Montana relies on the City of Missoula to develop, implement, and enforce procedures for site plan review that incorporate consideration of potential water quality impacts.
5.5 Post-construction Storm Water Management in New Development and Redevelopment

5.5.1 Status of Compliance with Permit Conditions (General Permit requirement Part IV.I.1)

5.5.1.1 Requirement/Minimum Measure: Develop and implement strategies that include a combination of structural and non-structural BMPs appropriate for the community.

Best Management Practice: Code enforcement

Measurable Goal: Review, combine, edit and develop ordinances as necessary to meet this requirement. Implement enforcement of new laws and procedures immediately after adoption.

Status: <Comments>

5.5.1.2 Requirement/Minimum Measure: Develop and implement an ordinance or other regulatory mechanism to address post-construction runoff from new development and redevelopment projects to the extent allowable under state or local law.

Best Management Practice: Code enforcement

Measurable Goal: Review, combine, edit and develop ordinances as necessary to meet this requirement. Implement enforcement of new laws and procedures immediately after adoption.

Status: <Comments>

5.5.2 Results of Information Collected and Analyzed (General Permit requirement Part IV.I.2)

No storm water sampling is required of the University of Montana.

5.5.3 Storm Water Activities for 2008 (General Permit requirement Part IV.I.3)

The University of Montana will continue the Post-construction Storm Water Management in New Development and Redevelopment Public Education and Outreach BMPs from this reporting cycle. No new activities are planned with the exception if details of codes and ordinances change.

5.5.4 Proposed Changes to the SWMP (General Permit requirement Part IV.I.4)

No changes to the Post-construction Storm Water Management in New Development and Redevelopment portion of the Storm Water Management Plan are being proposed at this time.

5.5.5 Notice of Reliance on Another Government Entity (General Permit requirement Part IV.I.5)

All Best Management Practices for Post-construction Storm Water Management in New Development and Redevelopment were performed by other co-permittees.
5.6 Pollution Prevention and Good Housekeeping Measures for Municipal Operations

5.6.1 Status of Compliance with Permit Conditions (General Permit requirement Part IV.I.1)

5.6.1.1 Requirement/Minimum Measure: Develop and implement an operation and maintenance program that includes a training component and has the goal of preventing or reducing pollutant runoff from municipal operations. Using training materials that are available from EPA, the state of Montana, or other organizations, the program must include employee training to prevent and reduce storm water pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and storm water system maintenance.

Best Management Practice: Annual Street Cleaning Program

Measurable Goal: Continue the sweeping of all UM streets and parking lots on an as-needed basis throughout the year.

Status: UM expended 130 hours on the small sweeper and 230 hours on the large sweeper, sweeping streets, sidewalks and parking lots.

5.6.1.2 Requirement/Minimum Measure: Develop and implement an operation and maintenance program that includes a training component and has the goal of preventing or reducing pollutant runoff from municipal operations. Using training materials that are available from EPA, the state of Montana, or other organizations, the program must include employee training to prevent and reduce storm water pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and storm water system maintenance.

Best Management Practice: Materials storage and recycling

Measurable Goal: Continue recycling used oil in accordance with each agency’s program.

Status: The motor pool recycled 950 gallons of used oil.

5.6.1.3 Requirement/Minimum Measure: Develop and implement an operation and maintenance program that includes a training component and has the goal of preventing or reducing pollutant runoff from municipal operations. Using training materials that are available from EPA, the state of Montana, or other organizations, the program must include employee training to prevent and reduce storm water pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and storm water system maintenance.

Best Management Practice: Monitor and prevent fuel site releases

Measurable Goal: Continue monitoring practices for fuel release detection at agency fueling sites.

Status: The University Motor Pool has many ways to prevent the spilling of fuel from the fueling facility. 1) The fueling system is programmed with a portion of the capacity of each vehicle’s tank and the pump automatically stops once that amount is dispensed. 2) The fueling facility has break away shut off valves on the hoses to stop the fuel flow if the hose is torn off. 3) The pumps automatically shut off after 1 minute of no use. 4) There is an emergency shut off near the pumps that shuts all power off. 5) There is not storm sewer in the immediate vicinity of the fueling facility.

5.6.1.4 Requirement/Minimum Measure: Develop and implement an operation and maintenance program that includes a training component and has the goal of preventing or reducing pollutant runoff from municipal operations. Using training materials that are available from EPA, the state of Montana, or other organizations, the program must include employee training to prevent and reduce storm water pollution from activities such as park
and open space maintenance, fleet and building maintenance, new construction and land disturbances, and storm water system maintenance.

**Best Management Practice:** Shop sump installation and maintenance

**Measurable Goal:** Continue installing and maintaining shop sumps in accordance with EPA, County, City injection well regulations to retain solids and petroleum products on site and out of water stream.

**Status:** Vehicle shop sumps are not connected to the storm sewer system, they are on the sanitary sewer. They contain a sand/oil separator which is monitored monthly.

5.6.1.5 **Requirement/Minimum Measure:** Develop and implement an operation and maintenance program that includes a training component and has the goal of preventing or reducing pollutant runoff from municipal operations. Using training materials that are available from EPA, the state of Montana, or other organizations, the program must include employee training to prevent and reduce storm water pollution from activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and storm water system maintenance.

**Best Management Practice:** Storm drain system cleaning

**Measurable Goal:** Continue cleaning the storm drain system as needed.

**Status:** UM expended $1008 to clean two storm drains in 2007.

5.6.2 **Results of Information Collected and Analyzed (General Permit requirement Part IV.I.2)**

No storm water sampling is required of the University of Montana.

5.6.3 **Storm Water Activities for 2008 (General Permit requirement Part IV.I.3)**

The University of Montana will continue the Pollution Prevention and Good Housekeeping Measures BMPs from this reporting cycle.

5.6.4 **Proposed Changes to the SWMP (General Permit requirement Part IV.I.4)**

No changes to the Pollution Prevention and Good Housekeeping Measures portion of the Storm Water Management Plan are being proposed at this time.

5.6.5 **Notice of Reliance on Another Government Entity (General Permit requirement Part IV.I.5)**

None
5.7 Certification of Compliance (General Permit requirement Part IV.I.6)

Based on the best information available to date, the University of Montana certifies that it was in compliance with the General Permit for Storm Water Discharge Associated with Small Municipal Separate Storm Sewer Systems for the term of this report (January 1, 2007 through December 31, 2007).

"I certify under penalty of law that this section of the document and associated 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 Applicant

Date Signed

Name (printed)

Title