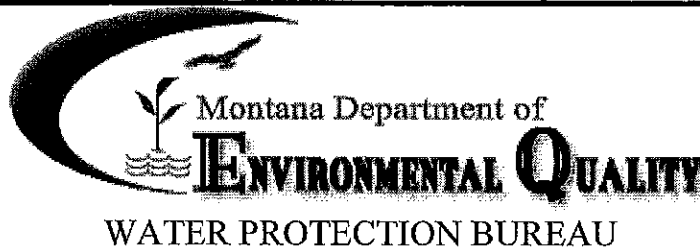


Permit No.:

Date Rec'd

Rec'd By

FORM  
MS4-AR**MPDES Storm Water Small MS4 Annual Report Form**

This form is to be completed by each permittee or co-permittee authorized to discharge storm water under the *General Permit for Storm Water Discharge Associated with Small Municipal Separate Storm Sewer System (MS4)*. All authorized permittees or co-permittees are required to complete this Annual Report Form for each calendar year the facility is authorized as required in Part IV.I. of the General Permit and to submit it (postmarked) no later than March 1<sup>st</sup> following the respective calendar year reporting period. For co-permittees authorized under one permit authorization and for co-permittees with multiple permit authorizations, you are required to complete this form and all items on it exclusively for your particular Small MS4 and Storm Water Management Program (SWMP) within your respective regulated Small MS4 area. The Department has attached instructions for this form in order to help with the completion of item responses. **If additional space is needed for item responses, you may include attachments noting the section and item number.**

**Section A - Permit Authorization Number for Facility** MTR04 0 0 1 2  
 MS4 Annual Report for Calendar Year 2016  
 What size population does your MS4 serve? 12,000

**Section B - Facility or Site Information** (See instructions.):

Small MS4 Name University of Montana - Missoula  
 Zip Code 59812 County Missoula  
 Latitude 46.860067 Longitude -113.985208  
 Small MS4 Type: Federal  State  County  City/Town  Other

**Section C - Applicant (Owner/Operator) Information**

Contact Person: Name Paul Trumbley Title Associate Director of Engineering  
 Owner or Operator University of Montana - Missoula  
 Mailing Address 32 Campus Drive  
 City, State, and Zip Code Missoula, MT 59812  
 Phone Number (406)243-2127

**Section D - Water Quality Priorities**

1. Does your MS4 discharge to waters listed as impaired on the Montana 303(d) List?  Yes  No

2. If yes, identify each impaired water, the impairment, whether a TMDL has been approved by EPA for each, and whether the TMDL assigns a wasteload allocation to your MS4. Use a new line for each impairment, and attach additional pages as necessary.

Impaired Water	Impairment	Approved TMDL	TMDL assigns WLA to MS4
Clark Fork River - Blackfoot River to Rattlesnake Creek	Arsenic	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	Cadium	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	Copper	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	Iron	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	Lead	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	Nutrient/Eutrophication Bio Ind	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	Zinc	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

3. What specific sources contributing to the impairment(s) are you targeting in your Storm Water Management Program?

Construction erosion, Maintenance lot drainage, Parking lot drainage, pesticides and pet waste

4. Do you discharge to any "high-quality waters" (as defined in 75-5-103, MCA)?  Yes  No

5. Are you implementing additional specific provisions to ensure their continued integrity?  Yes  No

If yes, what are they?

A variety of best management practices as outlined in University's SWMP, on file with MT DEQ.

### Section E - Public Education and Public Participation

1. Is your public education program targeting specific pollutants and sources of those pollutants?  Yes  No

2. If yes, what are the specific sources and/or pollutants addressed by your public education program?

Parking lot drainage and pet waste

3. Note specific successful outcome(s) (e.g., quantified reduction in fertilizer use; Do Not List tasks, events, publications) fully or partially attributable to your public education program during this reporting period.

4. Do you have an advisory committee or other body comprised of the public and other stakeholders that provides regular input on your SWMP?  Yes  No

### Section F - Construction

1. Do you have an ordinance or other regulatory mechanism stipulating:  
Erosion and sediment control requirements?  Yes  No

Other construction waste control requirements?  Yes  No

Requirement to submit construction plans for review?  Yes  No

MS4 enforcement authority?  Yes  No

2. Do you have written procedures for:  
Reviewing construction plans?  Yes  No

Performing inspections?  Yes  No

Responding to violations?  Yes  No

3. Identify the number of active construction sites, greater than or equal to 1 acre, in operation in your jurisdiction at any time during the reporting period. one (Champion Center)
4. How many of the sites identified in F.3. did you inspect during this reporting period? one
5. Describe, on average, the frequency with which your SWMP conducts construction site inspections. monthly
6. Do you prioritize certain construction sites for more frequent inspections?  Yes  No  
If yes, based on what criteria?

7. Identify which of the following types of enforcement actions you used during the reporting period for construction activities, indicate the number of actions, or note those for which you do not have authority:

<input type="checkbox"/> Yes	Notice of violation	#	No Authority <input type="checkbox"/>
<input type="checkbox"/> Yes	Administrative fines	#	No Authority <input checked="" type="checkbox"/>
<input type="checkbox"/> Yes	Stop Work Orders	#	No Authority <input type="checkbox"/>
<input type="checkbox"/> Yes	Civil penalties	#	No Authority <input checked="" type="checkbox"/>
<input type="checkbox"/> Yes	Criminal actions	#	No Authority <input checked="" type="checkbox"/>
<input type="checkbox"/> Yes	Administrative orders	#	No Authority <input checked="" type="checkbox"/>
<input type="checkbox"/> Yes	Other	#	

8. Do you use an electronic tool (e.g., GIS, database, spreadsheet) to track the locations, inspection results, and enforcement actions of active construction sites in your jurisdiction?  Yes  No
9. What are the 3 most common types of violations documented during this reporting period?  
None Documented
10. How often do municipal employees receive training on the construction program?  
Contractors are informed during construction meetings, university employees are trained as needed

**Section G - Illicit Discharge Elimination**

1. Have you completed a map of all outfalls and receiving waters of your storm sewer system?  Yes  No
2. Have you completed a map of all storm drain pipes and other conveyances in the storm sewer system?  Yes  No
3. Identify the number of outfalls in your storm sewer system. 2  
Number of Major outfalls \_\_\_\_\_ Number of Minor Outfalls 2  
Are these numbers estimated or measured? measured (East 30" ID, West 20" ID)
4. Do you have documented procedures, including frequency, for screening outfalls?  Yes  No
5. Of the outfalls identified in G.3., how many were screened for dry weather discharges during this reporting period? 2
6. Of the outfalls identified in G.3., how many have been screened for dry weather discharges at any time since you obtained MS4 permit coverage? 2
7. What is your frequency for screening outfalls for illicit discharges? Describe any variation based on size/type.  
Annually or upon notification of potential spill

8. Do you have an ordinance or other regulatory mechanism that effectively prohibits illicit discharges?  Yes  No
9. Do you have an ordinance or other regulatory mechanism that provides authority for you to take enforcement action and/or recover costs for addressing illicit discharges?  Yes  No
10. During this reporting period, how many illicit discharges/illegal connections have you discovered?  
0
11. Of those illicit discharges/illegal connections that have been discovered or reported, how many have been eliminated? Not Applicable
12. How often do municipal employees receive training on the illicit discharge program?  
Annually

### Section H - Storm Water Management for Municipal Operations

1. Have storm water pollution prevention plans (or an equivalent plan) been developed for:
- All public parks, ball fields, other recreational facilities and other open spaces?  Yes  No
  - All municipal construction activities, including those disturbing less than 1 acre?  Yes  No
  - All municipal turf grass/landscape management activities?  Yes  No
  - All municipal vehicle fueling, operation and maintenance activities?  Yes  No
  - All municipal maintenance yards?  Yes  No
  - All municipal waste handling and disposal areas?  Yes  No
- Other \_\_\_\_\_
2. Are storm water inspections conducted at these facilities?  Yes  No
3. If yes, at what frequency are inspections conducted? Quarterly
4. List activities for which operating procedures or management practices specific to storm water management have been developed (e.g., road repairs, catch basin cleaning).  
New building construction, road and sidewalk cleaning, sump cleaning and trash pick up
5. Do you prioritize certain municipal activities and/or facilities for more frequent inspection?  Yes  No
6. If yes, which activities and/or facilities receive most frequent inspections?  
Maintenance Yard - Inspected Quarterly
7. Do all municipal employees and contractors overseeing planning and implementation of storm water-related activities receive comprehensive training on storm water management?  Yes  No
8. If yes, do you also provide regular updates and refreshers?  Yes  No
9. If so, how frequently and/or under what circumstances?  
\_\_\_\_\_

**Section I - Long-term (Post-Construction) Storm Water Measures**

1. Do you have an ordinance or other regulatory mechanism to require:
 

Site plan reviews for storm water/water quality of all new and re-development projects?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Long-term operation and maintenance of storm water management controls?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Retrofitting to incorporate long-term storm water management controls?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
  
2. If you have retrofit requirements, what are the circumstances/criteria?
 

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3. What are your criteria for determining which new/re-development storm water plans you will review (e.g., all projects, projects disturbing greater than one acre, etc.)
 

---

 Projects disturbing greater than one acre
 

---
  
4. Do you require water quality or quantity design standards or performance standards, either directly or by reference to a Montana or other standard, be met for new development and re-development?
 

	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
--	------------------------------	--
  
5. Do these performance or design standards require that pre-development hydrology be met for:
 

Flow volumes?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Peak discharge rates?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Discharge frequency?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Flow duration?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
  
6. Please provide the URL/reference where all post-construction storm water management standards can be found.
 

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 Not Applicable
 

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7. How many development and redevelopment project plans were reviewed during the reporting period to assess impacts to water quality and receiving stream protection? one (Champion Center)
  
8. How many of the plans identified in I.7. were approved? one
  
9. How many privately owned permanent storm water management practices/facilities were inspected during the reporting period? Not Applicable
  
10. How many of the practices/facilities identified in I.9. were found to have inadequate maintenance?
 

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 Not Applicable
 

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11. How long do you give operators to remedy any operation and maintenance deficiencies identified during inspections?
 

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 Not Applicable
 

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12. Do you have authority to take enforcement action for failure to properly operate and maintain storm water practices/facilities?
 

	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
--	---	-----------------------------

If yes, what authority?

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 Stop Work Order, Contract Requirement
 

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13. How many formal enforcement actions (i.e., more than a verbal or written warning) were taken for failure to adequately operate and/or maintain storm water management practices? none

14. Do you use an electronic tool (e.g., GIS, database, spreadsheet) to track post-construction BMPs, inspections, and maintenance?  Yes  No
15. Do all municipal departments and/or staff (as relevant) have access to this tracking system?  Yes  No
16. How often do municipal employees receive training on the post-construction program? Not Applicable

**Section J - Storm Water Management Program Resources**

1. What was the annual expenditure to implement MS4 permit requirements this reporting period?  
~\$3000 \_\_\_\_\_
2. What is next year's budget for implementing the requirements of your MS4 MPDES permit? \$5000
3. This year what is/are your source(s) of funding for the MS4 SWMP, and annual revenue (amount or percentage) derived from each?  
Source: Facilities Services Budget Amount \$ \$5000 OR % \_\_\_\_\_  
Source: \_\_\_\_\_ Amount \$ \_\_\_\_\_ OR % \_\_\_\_\_  
Source: \_\_\_\_\_ Amount \$ \_\_\_\_\_ OR % \_\_\_\_\_
4. How many FTEs does your municipality devote to the Storm Water Management Program (specifically for implementing the Storm Water Management Program; not municipal employees with other primary responsibilities)?
5. Do you share Storm Water Management Program implementation responsibilities with any other entities?  Yes  No

Entity	Activity/Task/Responsibility	Your Oversight/Accountability Mechanism
_____	_____	_____
_____	_____	_____
_____	_____	_____

**Section K - Evaluating/Measuring Progress**

1. What indicators do you use to evaluate the overall effectiveness of your Storm Water Management Program, how long have you been tracking them, and at what frequency? These are not measurable goals for individual management practices or tasks, but large-scale or long-term metrics for the overall Storm Water Management Program, such as macro-invertebrate community indices, measures of effective impervious cover in the watershed, indicators of in-stream hydrologic stability, etc.

Indicator	Began Tracking (year)	Frequency	Number of Locations
While the University has a variety of measurement benchmarks for its individual BMP's, it currently conducts no large scale measurements	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

2. What environmental quality trends have you documented over the duration of your Storm Water Management Program? Reports or summaries can be attached electronically, or provide the URL to where they may be found on the Web.

**Section L - Additional Information**

In the space below, please include any additional information on the performance of your MS4 Storm Water Management Program. If providing clarification to any of the questions on this form, please provide the question number (e.g., I.5.) in your response.

The MS4 Storm Water Management program is for a small system serving a clean and well maintained University Campus. The BMP's for the facilities and grounds are well established and in daily practice. Current design standards are to minimize storm water runoff for all future development.

**Section M - Additional Detailed Information: Storm Water Discharge Monitoring**

In the space below, please provide the "Evaluation of Storm Water Quality Monitoring Test Results" based on the requirements in Part IV.A.6. of the General Permit. Please also use this space to describe and evaluate any other storm water discharge monitoring which may have occurred during this reporting period.

See Appendix 3



**Section N - Additional Detailed Information: Summary of Compliance and/or Status of SWMP**

Please provide a summary of compliance with respect to General Permit requirements, and the development/implementation of your SWMP. In this section, each permittee must describe the status of SWMP activities and components. Responsible persons, agencies, departments or co-permittees must be included. Each activity/component must specify established goals or performance standards. *(See instructions.)*

Minimum Control Measure Name	General Permit Condition Item Number	SWMP Activity or Component Name	Brief Description of SWMP Activity or Component	Responsible Agency, Department, or Organization; and Person or Position	Development of SWMP Item Completed and/or In Effect (Yes or No, Explain)	Measurable Goal or Performance Standard Utilized
Public Education and Outreach on Storm Water Impacts	II.B.1.	BMP 1.1 BMP 1.2 BMP 1.3 BMP 1.4	Website developmnt Public Service Ann. Fliers for new stdnts Dog Waste Mngmnt	Assoc Dir Utilities Same Same Same	yes yes no, in planning yes	approp. content # annual ads # of fliers given # dispnsr refills
Public Involvement/ Participation	II.B.2.	BMP 2.1 BMP 2.2	Drain stenciling Public meetings	Assoc Dir Utilities Same	yes no, in progress	# stenciled/yr host annual mtg
Illicit Discharge Detection and Elimination (IDDE)	II.B.3.	BMP 3.1 BMP 3.2 BMP 3.3 BMP 3.4	Storm Drain Map Illicit discharges Dry screening Citizen Reporting	Assoc Dir Utilities Same Same Same	yes yes yes yes	map accuracy # violations testing results # reports/yr
Construction Site Storm Water Runoff Control	II.B.4.	BMP 4.1	LEED Construction	Associate Director of Utilities	yes	Compliance rpts
Post-Construction Storm Water Management in New Development and Redevelopment	II.B.5.	BMP 5.1	Post constr LEED	Associate Director of Utilities	yes	Compliance rpts
Pollution Prevention/Good Housekeeping for Municipal Operations	II.B.6.	BMP 6.1 BMP 6.2 BMP 6.3 BMP 6.4 BMP 6.5	SWPP Drain cleaning Pest management Employee training Grounds cleanup	Assoc Dir Utilities Same Same Same Same	yes yes yes yes yes	Inspection # cleaned/yr mtg minutes attendance debris mainten

**Section O - Additional Detailed Information: Summary of Activities and Description of SWMP Effectiveness During Past Year**

Please describe the previous year's activities for the actual implementation of your SWMP and highlight the SMWP's effectiveness, preferably using quantitative indicators. (See instructions.)

<b>SWMP Activity or Component Name</b>	Website development	Stenciling storm drains	Storm Sewer System Map	LEED compliance
<b>Minimum Control Measure Name (If Applicable)</b>	Public Education and Outreach on Storm Water Impacts	Public Involvement/ Participation	Illicit Discharge Detection and Elimination	Construction Site Storm Water Runoff Control
<b>General Permit Condition Item Number (If Applicable)</b>	Part II.B.1.b.v	Part II.B.2.b.iv(c)	Part II.B.3.a.ii	Part II.B.4.a.ii
<b>Brief Description of Planned SWMP Action Taken</b>	Website development	Stenciling storm drains	Update map	LEED certification
<b>Responsible Agency, Department, or Organization; and Person or Position</b>	Associate Director of Utilities	Associate Director of Utilities	Associate Director of Utilities	Associate Director of Utilities
<b>Measurable Goal or Performance Standard Utilized</b>	Does content meet goals?	Number of drains stenciled annually	Is map accurate?	In compliance with LEED runoff control?
<b>Quantitative Indicators Used and Results</b>	Content is deemed to have meet goals.	Drains were stenciled in fall of 2016.	Map has been edited to improve accuracy.	Runoff controls are documented in the LEED process for new construction.
<b>Impact On SWMP Effectiveness</b>	Public is informed.	Public was involved in stenciling activities.	Better map improves effectiveness.	Controls decrease construction site runoff.

**Section P - Additional Detailed Information: Planned Activities and Changes During Next Year**

In attached documentation, please describe activities planned for the next year for the actual implementation of your SWMP, highlighting any changes made to improve control measures and SWMP effectiveness. (See instructions.)

<b>SWMP Activity or Component Name</b>	Dry weather screening for Illicit Discharges			
<b>Minimum Control Measure Name (If Applicable)</b>	Illicit Discharge Detection and Elimination			
<b>General Permit Condition Item Number (If Applicable)</b>	Part II.B.3.a.ii			
<b>Brief Description of Planned SWMP Action Taken</b>	Check for dry weather discharges at both outflows twice per year.			
<b>Responsible Agency, Department, or Organization; and Person or Position</b>	Associate Director of Utilities			
<b>Measurable Goal or Performance Standard Utilized</b>	Perform 2 dry weather surveys of both outflows.			

**Section Q - CERTIFICATION**

**Applicant Information:** This form must be completed, signed, and certified as follows (see Section V.K. of the General Permit):

- For a corporation, by a principal officer of at least the level of vice president;
- For a partnership or sole proprietorship, by a general partner or the proprietor, respectively; or
- For a municipality, state, federal, or other public facility, by either a principal executive officer or ranking elected official.

**All Applicants Must Complete the Following 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 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. [75-5-633, MCA]

A. Name (Type or Print)

Paul Trumbley

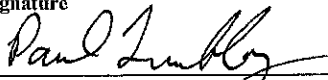
B. Title (Type or Print)

Associate Director of Engineering and Utilities

C. Phone No.

(406)243-2127

D. Signature



E. Date Signed

2-27-17

*The Department will not process this form until all of the requested information is supplied.* Return this form to:

Department of Environmental Quality  
Water Protection Bureau  
PO Box 200901  
Helena, MT 59620-0901  
(406) 444-3080

## **Appendix 1**

### **Storm Water Management Plan**

The University of Montana - Missoula ("UM") currently operates two small storm drain systems serving only the University's main campus needs. This system discharges via two outfalls to the Clark Fork River. UM will continue using existing - or develop new - best management practices for the following measures for storm water pollution:

1. Storm drain cleaning as needed
2. Parking lot and street cleaning as needed
3. Used oil recycling program
4. Spill prevention plan for the UM with spill response personnel on campus
5. Hazardous material storage, management and disposal provided by a designated department on campus; education of procedures provided on University website.
6. Storm drain stenciling on UM grounds
7. Fuel and oil spill cleanup kits and training
8. On site construction storm water protection
9. Education of campus community on storm water issues once a year.

UM has not been required to monitor or test water discharged during storm events. Casual observation of discharge is that the flow rate is small and the water has low turbidity.

The Associate Director of Engineering and Utilities is responsible for the overall management and implementation of the storm water management plan. The success of this minimum control measure will be evaluated by internal review in annual reporting and feedback response from Montana Department of Environmental Quality.

### **Minimum Control Measures Best Management Practices ("BMP's")**

#### **1. Public Education and Outreach**

##### **BMP 1.1 Website Development**

UM's website describes common pollutants and their adverse effects, outlines UM's responsibilities regarding storm water management, and links to additional information such as the general permit, annual report, and policies for the storage and transport of hazardous materials. It also provides contact information for those wishing to report storm water issues and information about recycling both on campus and in Missoula.

BMP 1.1 will be measured by content meeting defined goals.

STATUS: Fully Implemented

### **BMP 1.2 Public Service Announcements (“PSA’s”), Print, Email, and Public Transportation Advertising**

PSAs utilize campus email and other electronic communications to inform the campus community about the steps they can take to reduce storm water pollution. These ads describe the effects of proper waste disposal and vehicle maintenance on surface water quality. These notifications also inform the campus community of events and projects on campus and in Missoula such as Recycling, the Annual Household Hazardous Waste Collection Days, cleanup events, trail/stream restoration work, and public education events sponsored by the university, student groups, the city and other environmental groups.

BMP 1.2 will be measured by the number notifications placed annually.

STATUS: Implemented

### **BMP 1.3 Educational Fliers for New Students**

UM will provide educational materials to new students with their orientation and housing information. This material includes information on recycling, proper disposal of household toxics, and the hazards of improper waste disposal.

BMP 1.3 will be measured by the number of fliers, brochures, and other materials distributed annually.

STATUS: In planning

### **BMP 1.4 Dog Waste Management**

The UM campus is a popular place for Missoulians to walk their dogs. In order to minimize pollution from dog waste in campus storm water, there are signs, plastic bags, and trash cans along popular trails to encourage dog owners to pick up and dispose of their pets’ waste.

BMP 1.4 will be measured by how frequently the plastic bag dispensers are refilled.

STATUS: Fully Implemented

## **2. Public Involvement and Participation**

### **BMP 2.1 Storm Drain Stenciling**

Periodically, storm drains have been stenciled or re-stenciled to remind the campus community never to dispose of waste through storm drains. This work has been done by Facilities Staff, university students and other Missoula community members. Volunteers are solicited for annually, though if none are available a Facilities Department employee will perform the task.

BMP 2.1 will be measured how many storm drains are stenciled annually.

STATUS: Fully Implemented

## **BMP 2.2 Public Meetings to Address Storm Water Issues**

Prior to the finalization of the Storm Water Management Plan, UM will hold a public meeting and solicit comments. The university will continue to hold public and student meetings to address storm water issues on campus.

BMP 2.2 will be measured by the annual meeting.

STATUS: In Progress

## **3. Illicit Discharge Detection and Elimination**

### **BMP 3.1 Storm Sewer System Map**

UM maintains a map of its storm water system in AutoCAD. The map is updated for construction projects and as investigations are conducted to confirm the map's accuracy.

BMP 3.1 will be measured by an annual review of the map's accuracy.

STATUS: Fully Implemented

### **BMP 3.2 Ordinances Prohibiting Illicit Discharges**

While UM does not have a statutory enforcement mechanism, the university is subject to and complies with Missoula ordinances regarding storm water, sewer, and water quality management.

The Missoula Valley Water Quality Ordinance gives Water Quality District staff the authority to perform inspections and enforce the provisions of the ordinance. A Notice of Violation may be written, after which corrective action must be taken within five working days, unless the alleged violator requests an administrative review. Any person who violates any of the provisions of the ordinance is guilty of a misdemeanor and can be fined up to five hundred dollars and/or imprisoned in the county jail for up to sixty days.

In addition to the Missoula Valley Water Quality Ordinance, Title 13.04 of the Missoula Municipal Code, entitled "Sewer Regulations", makes it "unlawful for any person to discharge or cause to be discharged into the storm sewage system any waste other than surface storm water drainage or clear water except when other connections are specifically allowed by the Director of Public Works."

The Montana Water Quality Act, Missoula City-County Health Code, Missoula Municipal Code, and Uniform Plumbing Code all prohibit on-site sewage disposal systems that flow into the storm drainage system. The majority of the campus storm water runoff is handled by sumps, rather than the piped systems.

### **BMP 3.3 Dry Weather Screening for Illicit Discharges**

The university's storm water system has two outfalls into the Clark Fork River. Dry weather screening will be performed annually.

BMP 3.3 will be measured by photo documentation of the outfalls.

STATUS: Fully implemented

#### **BMP 3.4 Citizen reporting**

Potential storm water pollution can be reported to the Facilities department at the university or to the Missoula County Water Quality District. Contact information for the university is on the university website. The number for the Missoula County Water Quality District citizen reporting hotline can be found on the City's webpage, Missoula Valley Water Quality District's webpage, and Missoula Valley Water Quality District's education publications. Potential storm water pollution can be reported to these numbers 24 hours a day. Office hours are 8:00 AM to 5:00 PM Monday through Friday and messages can be left after hours. The messages are checked daily. Calls can be made anonymously.

BMP 3.4 will be measured by the number of reports annually.

STATUS: Fully implemented

### **4. Construction Site Runoff Control**

#### **BMP 4.1 Construction LEED Water Management**

All construction projects with over one acre of disturbance will have a Storm water pollution plan in place prior to excavation. BMPs to prevent erosion and jobsite runoff from entering the storm water system will be incorporated into the construction plan. The requirements of LEED SS 6.1 Storm water quantity and LEED SS 6.2 Storm water quality will be used to mitigate new construction and post-construction runoff.

BMP 4.1 will be measured by LEED third party compliance reporting and inspection.

STATUS: Fully implemented

### **5. Post-Construction Runoff Control**

#### **BMP 5.1 Post Construction LEED Water Management**

Where practical, BMPs for post-construction storm water mitigation will be incorporated into the site design. The requirements of LEED SS 6.1 Storm water quantity and LEED SS 6.2 Storm water quality will be used to mitigate new construction and post-construction runoff.

BMP 5.1 will be measured by LEED third party compliance reporting and inspection.

STATUS: Fully implemented



## **6. Pollution Prevention/Good Housekeeping**

### **BMP 6.1 Storm Water Pollution Prevention Plan (SWPPP) for Physical Plant Compound**

The Physical Plant Compound includes an outdoor recycling area, trash dumpsters, a fuel pump and tank, and storage for university maintenance vehicles, winter snow, waste oil, pesticides, antifreeze, and other cleaning compounds. The SWPPP describes best management practices to address potential pollution from these sources, such as the availability and use of spill cleanup kits, secondary containment for fuel and waste oil storage, and good housekeeping measures. The SWPPP also includes records of employee training, responses to incidents such as spills and leaks, and quarterly inspections.

BMP 6.1 will be measured by inspection of facilities.

STATUS: Fully implemented

### **BMP 6.2 Storm Drain and Drywell Cleaning**

Storm drains and dry wells periodically become blocked or clogged with debris, which can reduce their effectiveness. Common debris that interferes with the drains are leaves and gravel, which accumulate in the fall and winter. Drains are surveyed at each significant rainfall for potential debris build up, and citizens can also report problematic drains to the Facilities department. Drains are cleaned on an as-needed basis.

BMP 6.2 will be measured by the number of drains or drywells cleaned annually.

STATUS: Fully implemented

### **BMP 6.3 Integrated Pest Management Plan**

UM uses an Integrated Pest Management System (IPM) for the maintenance of over 50 acres of landscape, including 46 acres of turf. When possible, this system utilizes methods that are least stressful to the surrounding environment to control pests. These strategies include cultivation, the use of natural controls, good plant health maintenance, the use of plant varieties that are resistance to pests, and the use of chemicals only when absolutely necessary to prevent irreparable damage to plants. The IMP system's reduced use of pesticides and other chemicals has reduced the non-point pollution potential of runoff through the university's storm water system.

BMP 6.3 will be measured by the Integrated Pest Management committee, their meeting minutes and reports.

STATUS: Fully implemented

### **BMP 6.4 Employee Training**

Facility Services employees receive annual training on the storm water system and MS4 permit requirements. Emphasis is placed on good housekeeping and spill response.

BMP 6.4 will be measured by training materials and attendance records.

STATUS: Fully implemented

**BMP 6.5 Grounds Cleanup**

UM's grounds are zoned into six zones and the grounds crew pick up litter and empties public trash receptacles on week day mornings to maintain a clean and inviting campus. There are 106 containers for trash disposal and recycling by campus residents and visitors.

BMP 6.5 will be measured by the elimination of debris that can enter the storm water system and the campus appearance.

STATUS: Fully implemented

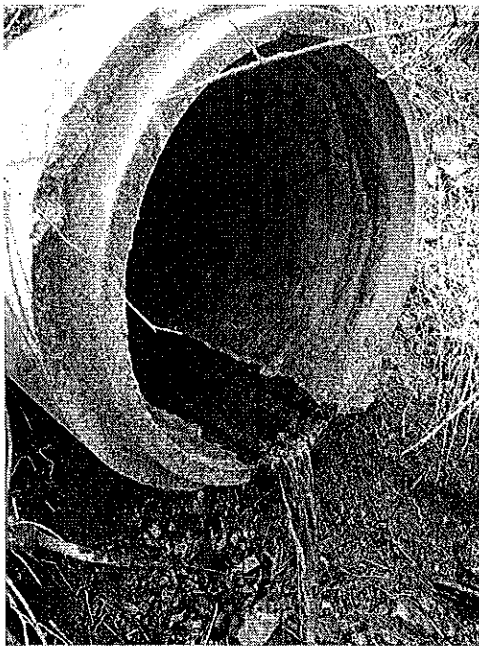
Appendix 2 Dry Weather Monitoring



East Outfall 2/26/16



West Outfall 2/24/17



East Outfall 4/6/16



West Outfall 4/6/16



East Outfall 12/14/16



West Outfall 12/14/16