Agency Use			
Permit No.:		Date Rec'd	Rec'd By

Montana Department of ENVIRONMENTAL QUALITY

WATER PROTECTION BUREAU

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 1st 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 0 6

MS4 Annual Report for Calendar Year 2 0 1 6

What size population does your MS4 serve? 34,200

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

Small MS4 Name Butte-Silver Bow

Zip Code 59701 County Silver Bow

Latitude 45.9688 N Longitude -112.5181 W

Small MS4 Type: Federal ☐ State ☐ County ☐ City/Town ☑ Other ☐

Section C - Applicant (Owner/Operator) Information

Contact Person: Name Matt Moore Title Operations Manager - Metro

Owner or Operator Butte-Silver Bow

Mailing Address 126 West Granite

City, State, and Zip Code Butte, MT, 59701

Phone Number (406) 497-6563

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
Silver Bow Creek	Recreation	☐ Yes ☑ No	☐ Yes ☐ No
	Drinking Water	☐ Yes ☑ No	☐ Yes ☐ No
	Aquatic Life	☐ Yes ☑ No	☐ Yes ☐ No
	Agriculture	☐ Yes ☑ No	☐ Yes ☐ No
		☐ Yes ☐ No	☐ Yes ☐ No
		☐ Yes ☐ No	☐ Yes ☐ No
		☐ Yes ☐ No	☐ Yes ☐ No
		☐ Yes ☐ No	☐ Yes ☐ No

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

Sediments from construction, metals, heavy metals, nutrients, and illicit discharge.

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?

   See Section L.

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?

   Sediment, suspended solids, oil/grease, trash/debris, illicit discharges to the storm drains (paints)

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.

   New SW management, increased use of BMPs by BSB crews, Increased MPDES Construction Permit complianc

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. 18

4. How many of the sites identified in F.3. did you inspect during this reporting period? 3

5. Describe, on average, the frequency with which your SWMP conducts construction site inspections.
2x per month

6. Do you prioritize certain construction sites for more frequent inspections? ☑ Yes ☐ No

If yes, based on what criteria?
Potential for discharge, compliance history.

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:

☐ Yes	Notice of violation	#0	No Authority ☐
☐ Yes	Administrative fines	#0	No Authority ☐
☐ Yes	Stop Work Orders	#0	No Authority ☐
☐ Yes	Civil penalties	#0	No Authority ☐
☐ Yes	Criminal actions	#0	No Authority ☐
☐ Yes	Administrative orders	#0	No Authority ☐
☐ 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?
Track out, inlet protection, concrete wash-out

10. How often do municipal employees receive training on the construction program?
Annually

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. 59

Number of Major outfalls 17 Number of Minor Outfalls 42

Are these numbers estimated or measured? measured

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? 3

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? 59

7. What is your frequency for screening outfalls for illicit discharges? Describe any variation based on size/type.
Minimum 25% annually.

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? 0

12. How often do municipal employees receive training on the illicit discharge program?
    Annually, twice annual trainings. 28 BSB employees attended trainings.

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
   Multi-Sector Industrial Storm Water Permits for BSB WWTP(MTR00488) & BSB Landfill (MTR000194)

2. Are storm water inspections conducted at these facilities? ☑ Yes ☐ No

3. If yes, at what frequency are inspections conducted? Varies by site (see Section L)

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).
   see Section L

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?
   Superfund, stockpiles, and deficient maintenance areas.

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?
   Annually, twice annual trainings. 24 BSB employees and 33 Contractors attended trainings.

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? ☑ Yes ☐ No

   Long-term operation and maintenance of storm water management controls? ☑ Yes ☐ No

   Retrofitting to incorporate long-term storm water management controls? ☑ Yes ☐ No

2. If you have retrofit requirements, what are the circumstances/criteria?

   See Section L

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.)

   All projects requiring Building permits.

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? ☑ Yes ☐ No

5. Do these performance or design standards require that pre-development hydrology be met for:

   Flow volumes? ☑ Yes ☐ No

   Peak discharge rates? ☑ Yes ☐ No

   Discharge frequency? ☑ Yes ☐ No

   Flow duration? ☑ Yes ☐ No

6. Please provide the URL/reference where all post-construction storm water management standards can be found.

   http://www.co.silverbow.mt.us/DocumentCenter/Home/View/88

7. How many development and redevelopment project plans were reviewed during the reporting period to assess impacts to water quality and receiving stream protection? _____

8. How many of the plans identified in I.7. were approved? _____

9. How many privately owned permanent storm water management practices/facilities were inspected during the reporting period? 0

10. How many of the practices/facilities identified in I.9. were found to have inadequate maintenance?

    0

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

    If deficiencies are found they are addressed case by case.

12. Do you have authority to take enforcement action for failure to properly operate and maintain storm water practices/facilities? ☑ Yes ☐ No

    If yes, what authority?

    http://www.co.silverbow.mt.us/documentcenter/view/89

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? 0

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? as needed

Section J - Storm Water Management Program Resources

1. What was the annual expenditure to implement MS4 permit requirements this reporting period? $256,400.76
2. What is next year's budget for implementing the requirements of your MS4 MPDES permit? $474,000.00
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: BSB Storm Water Fee Amount $ _____ OR % 23

Source: BSB Allocation Agreement - O&M Amount $ _____ OR % 15

Source: BSB Allocation Agreement - Capital Amount $ _____ OR % 62

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
Road Dept	Sanding and Flushing	Communication
Planning Dept	Plan Review/GIS	communication

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**
Water Quality (Superfund Related)	1990	Continous	Numerous

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. http://www.pitwatch.org/

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.

D.5. BSB, ARCO and Agencies continue to evaluate BMPs for storm water management for Superfund related activities. As these BMPs are constructed they will be added to the O&M Plan for Superfund Storm Water Systems.

H.3. Inspections are conducted annually at BSB parks, turf management facility, maintenance facility, and quarterly at WWTP, and monthly at the Crusher and landfill.

H.4. BSB Metro Sewer Maintenance schedule includes flushing and/or cleaning storm water ponds, pipes, catch basins, and manholes. Proper fueling procedures are followed at the maintenance center.

I.2. The circumstance/criteria for retrofitting requirements include the use of LID that infiltrate, evapotranspirate, or capture for reuse the runoff generated from the design storm events described in the BSB Storm Water Engineering Standards.

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.

Commercial/Industrial 001A Sample Site
May 2014 (Sample #1)
Exceedances
Copper -- Sample Measurement .09 mg/L
Within Limits
pH -- Sample Measurement 7.5, TSS -- Sample Measurement 76 mg/L
Oil & Grease -- Sample Measurement 3.0 mg/L, Nitrogen -- Sample Measurement 1.5 mg/L
Phosphorous -- Sample Measurement 0.266 mg/L, Zinc -- Sample Measurement 0.1 mg/L
Lead -- Sample Measurement 0.0237 mg/L, COD -- Sample Measurement 29 mg/L

September 2014 (Sample #2)
Exceedances
TSS -- Sample Measurement 452 mg/L, Nitrogen -- Sample Measurement 2.7 mg/L
Copper -- Sample Measurement 0.36 mg/L,Phosphorous -- Sample Measurement 0.933 mg/L
Zinc -- Sample Measurement 0.38 mg/L
Within Limits
pH -- Sample Measurement 8.6, Oil & Grease -- Sample Measurement 3.0 mg/L,
Lead -- Sample Measurement 0.121 mg/L, COD -- Sample Measurement 19 mg/L

Residential 002A Sample Site
May 2014 (Sample #1)
Exceedances
None
Within Limits
pH -- Sample Measurement 7.3 TSS -- Sample Measurement 0.6 mg/L
Oil & Grease -- Sample Measurement <1 mg/L, Nitrogen -- Sample Measurement 1.5 mg/L
Phosphorous -- Sample Measurement 0.212 mg/L, Zinc -- Sample Measurement 0.05 mg/L
Lead -- Sample Measurement 0.01 mg/L, Copper -- Sample Measurement 0.03 mg/L
COD -- Sample Measurement 29 mg/L

September 2014 (Sample #2)
Exceedances
TSS -- Sample Measurement 378 mg/L, Phosphorous -- Sample Measurement 0.614 mg/L
Zinc -- Sample Measurement 0.27 mg/L, Copper -- Sample Measurement .015 mg/L
Within Limits
pH -- Sample Measurement 8.8
Oil & Grease -- Sample Measurement 3.0 mg/L, Nitrogen -- Sample Measurement 1.8 mg/L
Lead -- Sample Measurement 0.0755 mg/L, COD -- Sample Measurement 15 mg/L

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.	Public Education Program	Outreach and educational activities	Cfwep.Org Director, Rayelynn Connole	"Yes, CFWEP was responsible for education in 2016"	"Storm water programming 308 Elementary and Middle School students, 22 Hig
Public Involvement/ Participation	II.B.2.	"Implement public involvement/ participation program"	"Beautify Butte - Alley RallyBSB Health Department Residential Metals ProgramStudent field trips"	"BSB Operations Manager, Matt Moore n BSB Landfill Supervisor, Glen Rafish BSB Health	"Yes, Alley Rally is a successful program to educate the public; Yes, Residential Metal	"60,615-lbs e-waste recycled; 829.30 tons of trash and debris collected; 71.24
Illicit Discharge Detection and Elimination (IDDE)	II.B.3.	Develop, implement, enforce IDDE program	"Ordinance No. 10-13 BSB Illicit Discharge Detection & Elimination/Repair & Illegal Dumping Plan adopted"	BSB Operations Manager, Matt Moore	Yes, Ordinance and Plan have been implemented.	"Investigations/ repairs are routine; 1 IDDE's discovered & 2 repaired (Attac
Construction Site Storm Water Runoff Control	II.B.4.	Ordinance to ensure compliance	Ordinance No. 10-13	BSB Operations Manager, Matt Moore	Yes, Ordinance has been implemented.	"BSB has legal means to require storm water plans and on-site controls (BMPs)."
Post-Construction Storm Water Management in New Development and Redevelopment	II.B.5.	Ordinance to ensure compliance	Ordinance No. 10-13	BSB Operations Manager, Matt Moore	Yes, Ordinance has been implemented.	BSB's Ordinance requires erosion & sediment controls
Pollution Prevention/Good Housekeeping for Municipal Operations	II.B.6.	"Develop and implement O & M for municipal operations"	"Multi-Sector Industrial Storm Water Permits for BSB WWTP (MTR000488) & BSB Landfill (MTR000194)BSB M	"BSB WWTP Supervisor, Frank ShieldsBSB Landfill Supervisor, Glen Rafish BSB Maintenance Cent	"Yes, Permit coverage issues, SWPPP is complete, and Draft Superfund Storm Water O & M Plan complete."	As per SWPPP, quarterly site inspections are conducted.

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.)*

SWMP Activity or Component Name	2.6.1 Public Education and Outreach BMP #1	2.6.1 Public Education and Outreach BMP #1	2.6.2 Public Involvement & Participation BMP #2	2.6.2 Public Involvement & Participation BMP #2
Minimum Control Measure Name (If Applicable)	Classroom Education (Attachment 3)	Utility Stuffers and PSAs (Attachment 3)	Beautify Butte Month	Beautify Butte Month (ALLEY RALLY)
General Permit Condition Item Number (If Applicable)	Part II.B.1.	Part II.B.1.	Part II.B.2.	Part II.B.2.
Brief Description of Planned SWMP Action Taken	Implement storm water curriculum in Butte public and private schools.	PSAs and Tabloid focus on good housekeeping, managing runoff	Promote e-waste recycling	Promote cleanup
Responsible Agency, Department, or Organization; and Person or Position	Cfwep.Org, Rayelynn Connole	CfwepOrg,Connole Planning, J. Sesso PW, Matt Moore Reclam, T. Malloy	PW, Matt Moore BSB Landfill, Glen Rafish NCAT, Mary Ann Skuletich	BSB Public Works, Matt Moore BSB Landfill, Glen Rafish
Measurable Goal or Performance Standard Utilized	The program will serve 200 or more students annually.	air radio PSAs on 4 radio stations throughout 2015	Increased participation, e-waste collected/ recycled	Expand Beautify Butte Month to include various household wastes
Quantitative Indicators Used and Results	Participants were given pre- and post- tests. Data unavailable now.	Newspaper insert & 16 pg tabloid , PSAs were aired on 4 radio stations	60,615 lbs e-waste collected, etc, See Section N, Part II, B, 1,	900 tons collected, See Section N, Part II, B, 1, b, i
Impact On SWMP Effectiveness	Participants saw a measurable increase of storm water knowledge	tabloid and PSAs are informing many residents of storm water impact	Reduce e-waste in landfill	Metal, oil, tires, cardboard, paper, and batteries were recycled

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.)*

SWMP Activity or Component Name	2.6.2 Public Involvement & Participation BMP#3	2.6.3 IDDE BMP#1	2.6.3 IDDE BMP#1	2.6.3 IDDE BMP#2
Minimum Control Measure Name (If Applicable)	Citizen Policing of Storm Water System	Illicit Discharge Detection & Elimination plan	Field Verification of Storm Water Map	Illicit Discharge Detection & Elimination plan
General Permit Condition Item Number (If Applicable)	Part II.B.2.	Part II.B.3.	Part II.B.3.	Part II.B.3.
Brief Description of Planned SWMP Action Taken	Storm Water Hot-line	Continue field investigation and verification of illicit discharges, purchase detection equipment	Conduct dry weather screening. Create inspection schedule	Document investigation and repairs of illicit discharges and cross connections
Responsible Agency, Department, or Organization; and Person or Position	BSB Metro Sewer Dept, Terri Fisher & Matt Moore	BSB Metro Sewer Dept, Justin Thatcher & Matt Moore	BSB Public Works, Matt Moore BSB Metro Sewer Dept, Justin Thatcher	BSB Public Works, Matt Moore BSB Metro Sewer Dept, Justin Thatcher
Measurable Goal or Performance Standard Utilized	Document and respond to 100% of citizen complaint calls (on-site visit or telephone call)	Investigate 100% sites with an illicit discharge, repair 75% of the illicit connections. More proactive inspections	Investigate a minimum of 25% of the outfalls.	100% of investigation and repairs will be documented

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)	
Matt Moore	
B. Title (Type or Print)	**C. Phone No.**
Operations Manager - Metro	406-497-6563
D. Signature	**E. Date Signed**

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

INSTRUCTIONS FOR SMALL MS4 ANNUAL REPORT FORM

The following are instructions for the Small MS4 Annual Report Form. Please note the following:

- If additional space is needed for item responses, you may include attachments noting the section and item number and permit authorization number.
- It is not necessary to submit these form instructions pages with the Annual Report;
- It is not necessary to submit a copy of the General Permit and respective historical applications or permit authorization letters with the Annual Report; and
- Ensure your entire Annual Report submittal reflects only your own Small MS4 and SWMP information, and does not include information which is uniquely applicable to another MS4 you are co-permitted with or other MS4 permit authorizations you may have.

Specific Section Instruction Information:

Section A:

Enter your specific authorization number, beginning with MTR04, which can be found on your authorization letter from the Department. Enter the calendar year for which you are submitting this Annual Report (the Annual Report for calendar year 2010 must be submitted to the Department postmarked no later than March1, 2011). Enter the population served as a numeric value.

Section B:

Identify the name of the Small MS4, the zip code and county in which the MS4 is located, and the type of MS4.

Section C:

Provide the requested information exactly as stated on the submitted application form, unless there are updates to contact person information or population served. For changes in contact person information, as stated in Part IV.J. of the General Permit, the formal signatory meeting the requirements of Part V.K.1.c. of the General Permit will then need to certify and sign this form in Section Q. The contact person/position shall be the primary person/position responsible for implementing or coordinating the Storm Water Management Program. This person/position will be thoroughly familiar with the operation of the Small MS4 and with the facts reported in this application, and will be contacted by the Department as necessary.

Section D:

Indicate whether any receiving surface waters identified on your submitted permit application discharge to impaired waters. Information on receiving waterbodies and the latest Montana 303(d) List can be accessed from the Montana DEQ Clean Water Act Information Center website: http://cwaic.mt.gov/. Much of the requested information can be obtained from the "Summary Report" for a particular waterbody and the associated maps can be used to help confirm waterbody segment location with respect to MS4s.

Sections E, F:

Answer all questions in these sections by checking the appropriate boxes or using the space provided. If additional space is needed to answer the questions, additional pages can be attached with the section/item number and permit authorization number noted.

Section G:

A major municipal separate storm sewer outfall (or "major outfall") means a municipal separate storm sewer outfall that discharges from a single pipe with an inside diameter of 36 inches or more or its equivalents (discharge from a single conveyance other than circular pipe which is associated with a drainage area of more than 50 acres).

Or, for municipal separate storm sewers that receive storm water from lands zoned for industrial activity, an outfall that discharges from a single pipe with an inside diameter of 12 inches or more from its equivalent (discharge from other than a circular pipe associated with a drainage area of 2 acres or more).

Minor outfalls are all other publicly-owned storm sewer outfalls which discharge to surface waters.

Section H:

Answer all questions in these sections by checking the appropriate boxes or using the space provided. If additional space is needed to answer the questions, additional pages can be attached with the section/item number and permit authorization number noted.

Section I:

Answer all questions in this section by checking the appropriate boxes or using the space provided. If additional space is needed to answer the questions, additional pages can be attached with the section/item number and permit authorization number noted. Please note that the Low Impact Development practices process (which must be in place by January 1, 2012) required in Part II.B.5.a.7. of the General Permit is an example of this type of standard.

Section J:

These questions are typically pertaining to the development, implementation, and enforcement of your MS4 Storm Water Management Program (SWMP) as required by the General Permit and not other programs or capital expenditures typically used in areas including but not limited to public works, health, planning, transportation and maintenance. Item J.4. pertains strictly to individual(s) actually implementing General Permit requirements and the consequent SWMP as their primary responsibility, and not to individual(s) with primary responsibilities other than that.

Section K:

These questions refer to environmental quality indicators you have been monitoring, tracking, and/or evaluating, and what trends you have consequently documented since Small MS4 permitting and the SWMP initiated.

Example:

Indicator	**Began Tracking (year)**	**Frequency**	**Number of Locations**
In-stream suspended solids	*2003*	*Weekly April-September*	*20*

Section L:

Use the space provided to include any additional information on the performance of your MS4 SWMP. If using this space to clarify or add to responses to any item(s) on this form, you must include the section/item number(s).

Section M:

Refer to Part IV.A.6. of the General Permit. Please be sure to provide a complete and in-depth evaluation of results and any potential additional BMPs or measures which must be implemented to perform such an evaluation and work towards improving the quality of storm water discharges.

Section N:

The purpose of this section is to summarize compliance with General Permit requirements and the implementation of your SWMP. Information in this section must refer to the specific General Permit requirement(s), and describe the status of activities undertaken to comply with each requirement. Both the 2005 and 2010 General Permit required your SWMP to be developed and in-place by December 31, 2009. If you do not yet have required SWMP activities or components in-place, and are consequently not in compliance with the General Permit, state and address respective compliance status information.

In providing this information, the table format provided must be used to address SWMP activities and components. Address only activities/components specific to the Small MS4 authorization entered in Section A of this form and its specific SWMP (particularly if co-permitted with others). The table must be divided up into the six Minimum Control Measure requirements as specified in Part II.B. of the General Permit. If an activity/component does not directly pertain to one of the six Minimum Control Measures, then list it in an "Other" category at the end of the overall table.

Table explanation: This table will have a row for each specific minimum control measure activity/component as specified in the conditions of Part II.B. of the General Permit. If there are multiple activities or components (such as BMPs) for each General Permit condition item number, then you may use multiple rows (one row for each activity or component). The columns to be used in the table with respect to each particular specific activity/component row in the table must include: the specific Minimum Control Measure name (state which one of the six), the specific General Permit condition item number; a brief specific SWMP activity or component name; a brief SWMP activity or component description; the specific responsible agency, department, organization, or co-permittee, and the corresponding appropriate person or position within; the specific status with respect to overall completion of the development of this particular activity/component (is the implementation mechanism actually in effect, if "yes" then when, and if "no" why not and when will it be); and, the specific established measurable goal or performance standard used to demonstrate overall progress or achievement for the particular activity/component.

This table must be completed for each specific required activity/component, and must not refer to other attached information instead of completing the item on the table. You may supplement the completion of the table items with attached documentation if desired, but the table item must still provide a valid stand-alone summary of the activity/component item criteria stated above. In other words, do not simply state "see attached …". If supplemental information is attached, it must be labeled with specific reference to this Table #12 and "SWMP Activity or Component Name".

If additional space is needed for your response, you may include attachments noting the section and item number and using the table format provided.

Example:

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
Illicit Discharge Detection and Elimination	II.B.3.*a.iii.*	*County Ordinance No. 3220*	*Prohibits and enforces non-storm water discharges from entering regulated MS4*	*County Roads Department; John Doe, County Environmental Specialist*	*Yes, ordinance became effective on May 1, 200; associated BMPs currently being implemented*	*Implement ordinance by 2007, perform routine follow-up BMPs to reduce and/or eliminate illicit discharges*

Section O:

This section is intended to address SWMP implementation effectiveness if the SWMP activity/component is in-place and being implemented by the permittee or co-permittee, and to document SWMP actions undertaken accordingly during the reporting period (calendar year), using quantifiable indicators.

For all six of the minimum control measure requirements stated in Part II.B. of the General Permit, there is a common requirement to "identify how the success of this minimum control measure will be evaluated". Guidance developed by EPA provides potential indicators pertaining to the six minimum control measures, and can be found at:
http://cfpub.epa.gov/npdes/stormwater/measurablegoals/index.cfm
Such indicators are typically established in quantifiable terms, and serve to optimally help assess and track the effectiveness of the implementation of the SWMP activities and components.

Some quantifiable indicators related to measurable goals which were taken from recent EPA guidance are listed in the tables below. The indicators need to be appropriate to assess if the SWMP is meeting goals and objectives.

Environmental Indicators

Physical and hydrological indicators	Biological indicators	Water quality indicators
• Stream widening/ downcutting • Physical habitat quality • Impacted dry weather flows • Increased flooding frequency • Stream temperature monitoring	• Fish assemblage analysis • Macro-invertebrate assemblage • Single species indicator • Composite indicators • Other biological indicators	• Water quality pollutant constituent monitoring • Toxicity testing • Non-point source loadings • Exceedance frequencies of water quality standards • Sediment contamination • Human health criteria

Administrative Indicators

Social indicators	Programmatic indicators	Site indicators
• Public attitude surveys • Industrial/commercial pollution prevention • Public involvement and monitoring • User perception	• Number of illicit connections identified and corrected • Number of control measures installed, inspected, and maintained • Permitting and compliance • Growth and development	• Control measure performance monitoring • Industrial site compliance monitoring

In other words, examples of indicators related to these measurable goals could include: data trends through time; documented visual field observations; field analyses; surveys; results of your SWMP plan reviews; results of your SWMP inspections; violations of SWMP requirements; SWMP enforcement actions taken; various physical, chemical, and biological monitoring related to receiving surface waters; habitat alterations; educational efforts; hydrological alterations; complaint types and frequency; and storm water discharge (wet weather) monitoring results and trends.

Using your established measurable goals and indicators for each of the six minimum control measures, please describe what activities occurred during this reporting period. Based on the results, describe the effectiveness of your SWMP for your particular Small MS4.

If additional space is needed for your response, you may include attachments noting the section and item number and using the table format provided.

This table must be completed for each specific required activity/component, and must not refer to other attached information instead of completing the item on the table. You may supplement the

completion of the table items with attached documentation if desired, but the table item must still provide a valid stand-alone summary of the activity/component item criteria stated above. In other words, do not simply state "see attached …". If supplemental information is attached, it must be labeled with specific reference to this particular Table #13 and "SWMP Activity or Component Name".

Example:

SWMP Activity or Component Name	*Example:* *Dectecting and addressing non-storm water discharges.*
Minimum Control Measure Name (If Applicable)	*Illicit Discharge Detection and Elimination*
General Permit Condition Item Number (If Applicable)	*Part II.B.3.a.iv.*
Brief Description of Planned SWMP Action Taken	*Field investigation for dry weather discharges entering regulated MS4.*
Responsible Agency, Department, or Organization; and Person or Position	*County Roads Department; John Doe, County Environmental Specialist*
Measurable Goal or Performance Standard Utilized	*Perform field survey of discharges into Sandy Creek including ephemeral tributaries.*
Quantitative Indicators Used and Results	*Three miles of Sandy Creek were investigated; three dry weather flows identified.*
Impact On SWMP Effectiveness	*Action resulted in 11% of total dry weather flow investigations complete.*

Section P:

This section is intended to address SWMP implementation effectiveness if the SWMP activity/component is in-place and being implemented by the permittee or co-permittee and to document respective actions or changes to the SWMP which are planned to be undertaken accordingly during the next reporting period (calendar year). This could include improvements in using the quantifiable indicators listed in Section O depending on your SWMP and specific circumstances. With respect to the implementation of your SWMP, please describe these anticipated actions, changes, and improvements.

If additional space is needed for your response, you may include attachments noting the section and item number and using the table format provided.

This table must be completed for each specific required activity/component, and must not refer to other attached information instead of completing the item on the table. You may supplement the completion of the table items with attached documentation if desired, but the table item must still provide a valid stand-alone summary of the planned activity/component or change. In other words, do not simply state "see attached …". If supplemental information is attached, it must be

labeled with specific reference to this particular Table #14 and "SWMP Activity or Component Name".

Example:

SWMP Activity or Component Name	*Example:* *Detecting and addressing non-storm water discharges.*
Minimum Control Measure Name (If Applicable)	*Illicit discharge detection and elimination.*
General Permit Condition Item Number (If Applicable)	*Part II.B.3.a.iv.*
Brief Description of Planned SWMP Action Taken	Field investigation for dry weather discharges entering regulated MS4.
Responsible Agency, Department, or Organization; and Person or Position	*County Roads Department; John Doe, County Environmental Specialist*
Measurable Goal or Performance Standard Utilized	*Perform field survey of discharges into Muddy Creek, including ephemeral tributaries.*